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DEMAs: Degree Management System A Program to Aid Advisors and Students in Class Selection and Schedule Planning

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DEMAST™: DEgree Management System

A Program to Aid Advisors and Students in Class Selection and Schedule Planning

Do you often find yourself dreading the time when the beginning of another semester looms larger-than life over your head? Do you shudder at the thought of having to plan out next semester's class schedule, whether it is for yourself if you are a student, or for your advisees if you are an advisor? Think of all those documents and booklets strewn across your desk--the necessary ones, the "should haves" and the "Oh, how I wish we did haves" that simply do not exist (yet)?

Picture yourself with a College Catalog, with its myriad of interesting details and complex contrains on various fields of study. Or consider looking through a student RAP sheet (Report of Academic Progress) and transcript, chock full of information that is almost useless unless you take the time to put it all together. And, of course, you must also have next semester's schedule if you want to get something tangible out of this little session. By now, your desk is full and we have barely scratched the surface of what is necessary in order to be really successful at degree management (a fancy way of saying schedule planning). For freshmen, it would be nice to point out the location of each classroom needed on a simple map or picture of the building. Ad what about the student who would like to know a little bit more about a teacher who is totally unknown to him or her, and also to you? What do you say to this student?

Of course, if you really want to help yourself in this process, you must be intimately familiar with the ever-changing requirements for each and every major and minor field that will be involved, as well as any special programs included (such as Southern Scholars). This can render the usually helpful RAP sheet nearly useless, since it does very little to combine requirements in any way at all.

This is where DEMAST™ steps in to help you. With its basic functionality and seemingly unlimited expandability, it can meet the needs of your program wherever you may be in the jungle of time and money shuffles. A brief overview of the major features, organized in the same order as the buttons on the toolbar at startup, will more than convince you that DEMAST™ was meant for you.

1. First of all, DEMAST™ makes every effort to be intuitive and easy to use. As soon as you launch the program, you are given a list of student names and other options to pick from. You simply click the mouse on the student you are interested in and your electronic degree manager will pull up all the relevant information and display it in a neat, organized fashion.
2. If you really do not want to mess with the computer but would like a computer generated report for yourself or someone else, you can simply click on the printer icon or choose File/Print on the main menu and your job is done.
3. Getting away is not hard either--DEMAST™ lets you exit painlessly and quickly with its

easy-access toolbar exit button.

4. DEMAS™ guides you through the necessary steps, but lets you take your own detour if you want to. A good example is what happens once you pick a student's name or another option from the opening dialog box. If the student already has a record, you are whisked directly to the Transcript instead of having to slog through another tour through never-never land. However, if this is a new student, you are automatically put into the right dialog box you need to be in to enter this new student's data.
5. Admissions information is easy to fill out, and may already be filled out for you, only available for your viewing convenience. This includes standard information like standing and ACT scores as well as a high school transfer.
6. Dealing with a variety of fields of study is where DEMAS™ shines, since it is specifically designed for people who are widening their academic horizons. It lets you "add" or "drop" almost any degree offered.
7. The all-important transcript is also taken care of by this efficient, friendly system, including those special cases that always seem to show up at the World'sWorth did they did.
8. The crown jewel of DEMAS™ is a box that integrates the requirements for whatever major/minors the student may have and categorizes them according to their feasibility.
9. Scheduling, that all-important part of planning, will be handled by the special on-screen, easy-to-use scheduler in the next version of DEMAS™. This will allow students to try different schedule arrangement easily and still fulfill all their requirements.

As its author, I naturally have many hopes for DEMAS™ in the future. I would like to port it over from Microsoft VisualBasic for Windows 3.00 to Delphi 1.0, Borland's newest database application development package. The scheduler will definitely be a part of the next released version, as will a more streamlined system for integrating the requirements of various majors (at the present time they are thrown together less than ideally). This project is far from finished, but it has arrived at the point in its life cycle where it is ready to get some real work accomplished.



DEMAS:

DEgree MAnagement System

Version 1.00

Microsoft Visual Basic for Windows 3.00

OK

VERSION 2.00

Begin Form About

```
BorderStyle      = 3  'Fixed Double
Caption          = "About DEMAS"
ClientHeight    = 2412
ClientLeft      = 1008
ClientTop       = 1512
ClientWidth     = 5640
ClipControls    = 0  'False
FontBold        = -1 'True
FontItalic      = 0  'False
FontName        = "System"
FontSize        = 9.6
FontStrikethru  = 0  'False
FontUnderline   = 0  'False
Height          = 2832
Icon            = (Icon)
Left            = 960
LinkMode        = 1  'Source
LinkTopic       = "Form2"
MaxButton       = 0  'False
MinButton       = 0  'False
ScaleHeight     = 2412
ScaleWidth     = 5640
Top             = 1140
Width           = 5736
```

Begin PictureBox PicApplicationIcon

```
AutoSize        = -1 'True
BorderStyle     = 0  'None
Height          = 384
Left            = 255
Picture         = (Icon)
ScaleHeight     = 384
ScaleWidth     = 384
TabIndex       = 4
Top             = 255
Width           = 384
```

End

Begin CommandButton CmdOK

```
Caption         = "OK"
FontBold        = -1 'True
FontItalic      = 0  'False
FontName        = "System"
FontSize        = 9.6
FontStrikethru  = 0  'False
FontUnderline   = 0  'False
Height          = 360
Left            = 4350
TabIndex       = 6
Top             = 1920
Width           = 1035
```

End

Begin Label LblDegManSys

```
Caption         = "DEgree Management System"
FontBold        = -1 'True
FontItalic      = 0  'False
FontName        = "MS Sans Serif"
FontSize        = 9.6
FontStrikethru  = 0  'False
FontUnderline   = 0  'False
Height          = 255
Left            = 1320
TabIndex       = 7
Top             = 720
Width           = 3135
```

End

Begin Line linHorizontalLine1

```
BorderWidth    = 2
X1              = 975
X2              = 5010
Y1              = 1560
Y2              = 1560
```

End

Begin Label LblDEMAs

```
Caption           = "DEMAS:"
FontBold          = -1 'True
FontItalic        = 0  'False
FontName          = "MS Sans Serif"
FontSize          = 18
FontStrikethru   = 0  'False
FontUnderline    = 0  'False
Height           = 450
Left              = 960
TabIndex         = 1
Top               = 240
Width             = 1455
```

End

Begin Label LblVersion

```
Caption           = "Version 1.00"
FontBold          = -1 'True
FontItalic        = 0  'False
FontName          = "MS Sans Serif"
FontSize          = 9.6
FontStrikethru   = 0  'False
FontUnderline    = 0  'False
Height           = 240
Left              = 990
TabIndex         = 2
Top               = 1080
Width             = 1470
```

End

Begin Label LblMicrosoft

```
Caption           = "Microsoft Visual Basic for Windows 3.00"
FontBold          = -1 'True
FontItalic        = 0  'False
FontName          = "MS Sans Serif"
FontSize          = 9.6
FontStrikethru   = 0  'False
FontUnderline    = 0  'False
Height           = 240
Left              = 960
TabIndex         = 3
Top               = 1320
Width             = 4365
```

End

Begin Label LblInfo

```
Height           = 600
Left              = 1005
TabIndex         = 5
Top               = 1665
Width             = 1875
```

End

Begin Label LblInfoValues

```
Height           = 600
Left              = 2910
TabIndex         = 0
Top               = 1665
Width             = 1410
```

End

End

```
Option Explicit
```

```
DefInt A-Z
```

```
Declare Function GetFreeSpace Lib "Kernel" (ByVal wFlags) As Long
```

```
Declare Function GetWinFlags Lib "Kernel" () As Long
```

```
Const WFSTANDARD = &H10
```

```
Const WFENHANCED = &H20
```

```
Const WF80x87 = &H400
```

```
Sub CmdOK_Click ()
```

```
    Unload About
```

```
End Sub
```

```
Sub Form_Load ()
```

```
    Dim WinFlags As Long
```

```
    Dim Mode As String, Processor As String
```

```
    ' Define CRLF
```

```
    CRLF = Chr$(13) + Chr$(10)
```

```
    ' Dialog Boxes should only have Move and Close items  
    ' in their System menus', so remove the others.
```

```
    RemoveItemsFromSystemMenu About
```

```
    ' Center the About on the screen
```

```
    Move (Screen.Width - Width) \ 2, (Screen.Height - Height) \ 2
```

```
    ' Get current Windows configuration
```

```
    WinFlags = GetWinFlags()
```

```
    If WinFlags And WFENHANCED Then Mode = "386 Enhanced Mode" Else Mode = "Standard Mode"
```

```
    LblInfo.Caption = Mode + CRLF + "Free Memory:" + CRLF + "Math Co-processor:"
```

```
    If WinFlags And WF80x87 Then Processor = "Present" Else Processor = "None"
```

```
    LblInfoValues.Caption = CRLF + Format$(GetFreeSpace(0) \ 1024) + " KB" + CRLF + Processor
```

```
End Sub
```

'Global options (explicit declaration, base 0, not case-sensitive)

Option Explicit
 Option Base 0
 Option Compare Text

'Character names

Global BkSp As String * 1
 Global HTab As String * 1

'Paths & filenames

Global Const FilePath\$ = "C:\HONORS"
 Global Const ClassFileName\$ = "CLASSES.LST"
 Global Const DegreeFileName\$ = "DEGREES.LST"
 Global Const FieldFileName\$ = "FIELDS.LST"
 Global Const StandingFileName\$ = "STANDING.LST"
 Global Const TermFileName\$ = "TERMS.LST"

'Maxima

Global Const MaxClasses% = 100
 Global Const MaxClassesTaken% = 50
 Global Const MaxDegrees% = 8
 Global Const MaxFields% = 30
 Global Const MaxFieldsTaken% = 5
 Global Const MaxNameLen% = 16
 Global Const MaxPrereq% = 3
 Global Const MaxStandings% = 4
 Global Const MaxTerms = 6

'Sizes

Global Const PasswordLen% = 3
 Global Const IDLen% = 5

Type ACTRecord

Composite As Integer
 CompositeP As Integer
 English As Integer
 EnglishP As Integer
 Math As Integer
 MathP As Integer
 Reading As Integer
 ReadingP As Integer
 Science As Integer
 ScienceP As Integer

End Type

Type HSRecord

Total As Integer
 English As Integer
 Algebra As Integer
 Geometry As Integer
 Biology As Integer
 WorldHistory As Integer
 Bible As Integer
 Other As Integer

End Type

Type PrereqRecord

Either As Integer
 Code As String * 7

End Type

Type FieldTakenRecord

Degree As String * 2
 Field As String * 2

End Type

Type ClassTakenRecord

Code As String * 7
 Term As Integer
 Year As Integer
 Grade As String * 2

End Type

Type StudentInfoRecord


```

ID As String * IDLen
Password As String * PasswordLen
First As String * MaxNameLen
Middle As String * MaxNameLen
Last As String * MaxNameLen
Sex As String * 1
Standing As String * 1
ACT As ACTRecord
HS As HSRecord
Degree As String * 2
Fields As Integer
Field(MaxFieldsTaken) As FieldTakenRecord
Classes As Integer
Class(MaxClasses) As ClassTakenRecord

```

End Type

Type ClassRecord

```

Code As String * 7
Type As String * 1
Name As String * 32
Hours As Integer
Term As String * 1
Years As String * 1
Prereqs As Integer
Prereq(MaxPrereq) As PrereqRecord

```

End Type

Type FieldRecord

```

Code As String * 4
Name As String * 32

```

End Type

Type StandingRecord

```

Code As String * 1
Name As String * 32

```

End Type

Type TermRecord

```

Name As String * 32

```

End Type

```

'Current student's info record
Global Student As StudentInfoRecord

```

```

'Global info on classes, etc.
Global Class() As ClassRecord
Global Degree As FieldRecord
Global Field() As FieldRecord
Global Standing() As StandingRecord
Global Term() As TermRecord

```

```

Global TotalClasses As Integer
Global TotalFields As Integer
Global TotalStandings As Integer
Global TotalTerms As Integer

```

```

Global CurrID As Integer
Global NewStudent As Integer

```

```

Sub DisableAdmiss ()
    DEMAS.MnuAdmiss.Enabled = False
    DEMAS.ToolAdmiss.Enabled = False
    DEMAS.ToolAdmiss.Visible = False
End Sub

```

```

Sub DisableAll ()
    DisableInfo
    DisableAdmiss
    DisableFields
    DisableTrans
    DisableReq
    DisableSched
End Sub

```

```
Sub DisableFields ()
    DEMAS.MnuFields.Enabled = False
    DEMAS.ToolFields.Enabled = False
    DEMAS.ToolFields.Visible = False
End Sub
```

```
Sub DisableInfo ()
    DEMAS.MnuInfo.Enabled = False
    DEMAS.ToolInfo.Enabled = False
    DEMAS.ToolInfo.Visible = False
End Sub
```

```
Sub DisableReq ()
    DEMAS.MnuReq.Enabled = False
    DEMAS.ToolReq.Enabled = False
    DEMAS.ToolReq.Visible = False
End Sub
```

```
Sub DisableSched ()
    DEMAS.MnuSched.Enabled = False
    DEMAS.ToolSched.Enabled = False
    DEMAS.ToolSched.Visible = False
End Sub
```

```
Sub DisableTrans ()
    DEMAS.MnuTrans.Enabled = False
    DEMAS.ToolTrans.Enabled = False
    DEMAS.ToolTrans.Visible = False
End Sub
```

```
Sub EnableAdmiss ()
    DEMAS.MnuAdmiss.Enabled = True
    DEMAS.ToolAdmiss.Enabled = True
    DEMAS.ToolAdmiss.Visible = True
End Sub
```

```
Sub EnableAll ()
    EnableInfo
    EnableAdmiss
    EnableFields
    EnableTrans
    EnableReq
    EnableSched
End Sub
```

```
Sub EnableFields ()
    DEMAS.MnuFields.Enabled = True
    DEMAS.ToolFields.Enabled = True
    DEMAS.ToolFields.Visible = True
End Sub
```

```
Sub EnableInfo ()
    DEMAS.MnuInfo.Enabled = True
    DEMAS.ToolInfo.Enabled = True
    DEMAS.ToolInfo.Visible = True
End Sub
```

```
Sub EnableReq ()
    DEMAS.MnuReq.Enabled = True
    DEMAS.ToolReq.Enabled = True
    DEMAS.ToolReq.Visible = True
End Sub
```

```
Sub EnableSched ()
    DEMAS.MnuSched.Enabled = True
    DEMAS.ToolSched.Enabled = True
    DEMAS.ToolSched.Visible = True
End Sub
```

```
Sub EnableTrans ()
    DEMAS.MnuTrans.Enabled = True
    DEMAS.ToolTrans.Enabled = True
    DEMAS.ToolTrans.Visible = True
```

End Sub

```
Sub RemoveItemsFromSystemMenu (AForm As Form)
' Removes various menu items from the System menu of the specified Form.
```

```
    ' Obtain the handle to the forms System menu
```

```
    Dim HSysMenu
    Dim R
```

```
    HSysMenu = GetSystemMenu(AForm.hWnd, 0)
```

```
    ' Remove all but the MOVE and CLOSE options. The menu items
    ' must be removed starting with the last menu item.
```

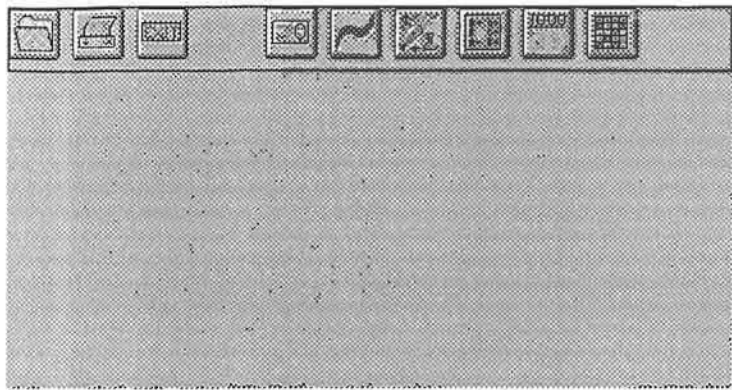
```
    R = RemoveMenu(HSysMenu, 8, MF_BYPOSITION) 'Switch to
    R = RemoveMenu(HSysMenu, 7, MF_BYPOSITION) 'Separator
    R = RemoveMenu(HSysMenu, 5, MF_BYPOSITION) 'Separator
```

End Sub

```
Sub SelectAll ()
    Dim ActCtl As Control
    Screen.ActiveControl.SelStart = 0
    Screen.ActiveControl.SelLength = Len(Screen.ActiveControl.Text)
```

End Sub

```
Function ValidDigit (KeyAscii As Integer) As Integer
    If (KeyAscii >= Asc("0") And KeyAscii <= Asc("9")) Or KeyAscii = Asc(BkSp) Then
        ValidDigit = KeyAscii
    Else
        ValidDigit = 0
        Beep
    End If
End Function
```



VERSION 2.00

Begin MDIForm DEMAS

```

Caption      = "DEMAS"
ClientHeight = 2904
ClientLeft   = 1032
ClientTop    = 1692
ClientWidth  = 5424
Height       = 3648
Icon         = (Icon)
Left         = 984
LinkTopic    = "MDIForm1"
ScrollBars   = 0 'False
Top          = 996
Width        = 5520
WindowState  = 2, 'Maximized
    
```

Begin PictureBox PicToolbar

```

Align        = 1 'Align Top
BackColor    = &H00C0C0C0&
Height       = 492
Left         = 0
ScaleHeight  = 468
ScaleWidth   = 5400
TabIndex     = 0
Top          = 0
Width        = 5424
    
```

Begin Image ToolGet

```

Height       = 384
Left         = 0
Picture      = (Icon)
Top          = 0
Width        = 384
    
```

End

Begin Image ToolPrint

```

Height       = 384
Left         = 480
Picture      = (Icon)
Top          = 0
Width        = 384
    
```

End

Begin Image ToolAdmiss

```

Height       = 384
Left         = 2400
Picture      = (Icon)
Top          = 0
Width        = 384
    
```

End

Begin Image ToolExit

```

DragIcon     = (Icon)
Height       = 384
Left         = 960
Picture      = (Icon)
Top          = 0
Width        = 384
    
```

End

Begin Image ToolSched

```

Height       = 384
Left         = 4320
Picture      = (Icon)
Top          = 0
Width        = 384
    
```

End

Begin Image ToolTrans

```

Height       = 384
Left         = 3360
Picture      = (Icon)
Top          = 0
Width        = 384
    
```

End

Begin Image ToolReq

```

Height       = 384
Left         = 3840
Picture      = (Icon)
Top          = 0
Width        = 384
    
```

```
End
Begin Image ToolFields
  Height      = 384
  Left       = 2880
  Picture    = (Icon)
  Top        = 0
  Width      = 384
End
Begin Image ToolInfo
  Height      = 384
  Left       = 1920
  Picture    = (Icon)
  Top        = 0
  Width      = 384
End
End
Begin Menu MnuFile
  Caption    = "&File"
  Begin Menu MnuGet
    Caption  = "&Get Student File"
  End
  Begin Menu MnuPrint
    Caption  = "&Print Student File"
  End
  Begin Menu MnuFileSeparator
    Caption  = "-"
  End
  Begin Menu MnuExit
    Caption  = "E&xit DEMAS"
  End
End
Begin Menu MnuView
  Caption    = "&View"
  Begin Menu MnuInfo
    Caption  = "Student &Info"
  End
  Begin Menu MnuAdmiss
    Caption  = "&Admissions Info"
  End
  Begin Menu MnuFields
    Caption  = "&Fields of Study"
  End
  Begin Menu MnuReq
    Caption  = "&Requirements"
  End
  Begin Menu MnuTrans
    Caption  = "&Transcript"
  End
  Begin Menu MnuSched
    Caption  = "Class &Schedule"
  End
End
Begin Menu MnuHelp
  Caption    = "&Help"
  Begin Menu MnuAbout
    Caption  = "&About DEMAS"
  End
End
End
```

Option Explicit

Function ReallyDoThis (ByVal Message As String) As Integer

Beep

If MsgBox("Are you sure you really want to " & Message & "?", MB_YESNO + MB_ICONSTOP, "DEMAS") = IDNO Then

ReallyDoThis = False

Else

ReallyDoThis = True

End If

End Function

Sub MDIForm_Activate ()

'Maximize the window

WindowState = 2

End Sub

Sub MDIForm_Load ()

'Character names

BkSp = Chr(8)

HTab = Chr(9)

GetFile.Show

End Sub

Sub MDIForm_QueryUnload (Cancel As Integer, UnloadMode As Integer)

If Not ReallyDoThis("leave DEMAS, accepting whatever changes you have made to this student's record") Then Cancel = True

End Sub

Sub MnuAbout_Click ()

About.Show 1

About.WindowState = 0

End Sub

Sub MnuAdmiss_Click ()

If Not ReallyDoThis("accept all changes you have made to this student's records and change this student's admissions information") Then Exit Sub

Admiss.Show

End Sub

Sub MnuExit_Click ()

Unload DEMAS

End Sub

Sub MnuFields_Click ()

If Not ReallyDoThis("accept all changes you have made to this student's records and change this student's current fields of study") Then Exit Sub

FieldsStudy.Show

End Sub

Sub MnuGet_Click ()

If Not ReallyDoThis("start working with a new student") Then Exit Sub

GetFile.Show

End Sub

Sub MnuInfo_Click ()

If Not ReallyDoThis("accept all changes you have made to this student's records and change this student's basic information") Then Exit Sub

Info.Show

End Sub

Sub MnuPrint_Click ()

MsgBox "Printing is not currently supported", MB_OK + MB_ICONSTOP, "DEMAS"

End Sub

Sub MnuReq_Click ()

If Not ReallyDoThis("accept all changes you have made to this student's records") Then Exit Sub

Req.Show

End Sub

```
Sub MnuSched_Click ()
  If Not ReallyDoThis("accept all changes you have made to this student's records and work on t
heir schedule") Then Exit Sub
  Sched.Show
End Sub
```

```
Sub MnuTrans_Click ()
  If Not ReallyDoThis("accept all changes you have made to this student's records and work on t
his student's transcript") Then Exit Sub
  Trans.Show
End Sub
```

```
Sub ToolAdmiss_Click ()
  MnuAdmiss_Click
End Sub
```

```
Sub ToolExit_Click ()
  MnuExit_Click
End Sub
```

```
Sub ToolFields_Click ()
  MnuFields_Click
End Sub
```

```
Sub ToolGet_Click ()
  MnuGet_Click
End Sub
```

```
Sub ToolInfo_Click ()
  MnuInfo_Click
End Sub
```

```
Sub ToolPrint_Click ()
  MnuPrint_Click
End Sub
```

```
Sub ToolReq_Click ()
  MnuReq_Click
End Sub
```

```
Sub Toolsched_Click ()
  MnuSched_Click
End Sub
```

```
Sub ToolTrans_Click ()
  MnuTrans_Click
End Sub
```


Student: Student Data

LstName

New

Edit

Delete

Cancel

ID:

Password:

OK

VERSION 2.00

Begin Form GetFile

```
BorderStyle      = 1  'Fixed Single
Caption          = "Get Student File"
ClientHeight     = 3864
ClientLeft       = 1308
ClientTop        = 1512
ClientWidth      = 3732
ClipControls     = 0  'False
ControlBox       = 0  'False
Height           = 4284
Icon             = (Icon)
Left             = 1260
LinkTopic        = "Form1"
MaxButton        = 0  'False
MDIChild         = -1 'True
MinButton        = 0  'False
ScaleHeight      = 3864
ScaleWidth       = 3732
Top              = 1140
Width           = 3828
```

Begin ListBox LstName

```
Height          = 2712
Left            = 120
TabIndex        = 1
Top             = 360
Width           = 2172
```

End

Begin CommandButton CmdDelete

```
Caption         = "&Delete"
Height          = 375
Left           = 2520
TabIndex        = 8
Top            = 1560
Width          = 1095
```

End

Begin CommandButton CmdEdit

```
Caption         = "&Edit"
Height          = 375
Left           = 2520
TabIndex        = 7
Top            = 960
Width          = 1095
```

End

Begin TextBox TxtID

```
Height          = 285
Left           = 120
TabIndex        = 3
TabStop         = 0  'False
Top            = 3480
Width          = 855
```

End

Begin CommandButton CmdNew

```
Caption         = "&New"
Height          = 375
Left           = 2520
TabIndex        = 6
Top            = 360
Width          = 1095
```

End

Begin TextBox TxtPassword

```
Height          = 285
Left           = 1200
PasswordChar    = "*"
TabIndex        = 5
Top            = 3480
Width          = 1095
```

End

Begin CommandButton CmdCancel

```
Cancel          = -1 'True
Caption         = "Cancel"
Height          = 375
Left           = 2520
TabIndex        = 9
```

```
    Top           = 2760
    Width         = 1095
End
Begin CommandButton CmdOK
    Caption       = "OK"
    Default       = -1 'True
    Height        = 375
    Left          = 2520
    TabIndex      = 10
    Top           = 3360
    Width         = 1095
End
Begin Data DataStudent
    Caption       = "Student Data"
    Connect       = ""
    DatabaseName  = "C:\HONORS\DATA\DEMAS.MDB"
    Exclusive     = 0 'False
    Height        = 270
    Left          = 960
    Options       = 0
    ReadOnly      = 0 'False
    RecordSource  = "SELECT * FROM Student ORDER BY LastName, FirstName"
    Top           = 0
    Visible       = 0 'False
    Width         = 2775
End
Begin Label LblStudents
    Caption       = "&Student:"
    Height        = 255
    Left          = 120
    TabIndex      = 0
    Top           = 120
    Width         = 1095
End
Begin Label LblPassword
    Caption       = "&Password:"
    Height        = 255
    Left          = 1200
    TabIndex      = 4
    Top           = 3240
    Width         = 855
End
Begin Label LblID
    Caption       = "&ID:"
    Height        = 255
    Left          = 120
    TabIndex      = 2
    Top           = 3240
    Width         = 255
End
End
```

GETFILE.FRM - 1

Option Explicit

Sub ListNames ()

```
DataStudent.RecordSource = "SELECT * FROM Student ORDER BY LastName, FirstName"  
DataStudent.Refresh
```

```
Do Until (DataStudent.Recordset.EOF)
```

```
    LstName.AddItem DataStudent.Recordset!LastName & ", " & DataStudent.Recordset!FirstName  
    LstName.ItemData(LstName.ListCount - 1) = DataStudent.Recordset!ID  
    DataStudent.Recordset.MoveNext
```

```
Loop
```

End Sub

Function PasswordOK (ByVal Password As String) As Integer

```
If Password <> DataStudent.Recordset!Password Then
```

```
    Beep
```

```
    MsgBox "Incorrect password!", MB_OK + MB_ICONSTOP, "DEMAS"
```

```
    PasswordOK = False
```

```
Else
```

```
    PasswordOK = True
```

```
End If
```

End Function

Sub CmdCancel_Click ()

```
Unload GetFile
```

End Sub

Sub CmdDelete_Click ()

```
If Not PasswordOK(TxtPassword.Text) Then Exit Sub
```

```
If MsgBox("Do you really want to delete " & DataStudent.Recordset!FirstName & " " & DataStudent.Recordset!LastName & "'s record?", MB_YESNO + MB_ICONSTOP, "DEMAS") = IDNO Then
```

```
    Beep
```

```
    Exit Sub
```

```
End If
```

```
DataStudent.RecordSource = "SELECT * FROM Student WHERE ID = " & TxtID.Text
```

```
DataStudent.Refresh
```

```
DataStudent.Recordset.Delete
```

```
LstName.Clear
```

```
Form_Load
```

End Sub

Sub CmdEdit_Click ()

```
If Not NewStudent Then If Not PasswordOK(TxtPassword) Then Exit Sub
```

```
Unload GetFile
```

```
Info.Show
```

End Sub

Sub CmdNew_Click ()

```
NewStudent = True
```

```
CmdEdit_Click
```

End Sub

Sub CmdOK_Click ()

```
If Not PasswordOK(TxtPassword) Then Exit Sub
```

```
EnableAll
```

```
Unload GetFile
```

```
Trans.Show
```

End Sub

Sub Form_Load ()

```
NewStudent = False
```

```
ListNames
```

```
LstName.ListIndex = 0
```

GETFILE.FRM - 2

End Sub

Sub LstName_Click ()

 CurrID = LstName.ItemData(LstName.ListIndex)

 TxtID = Str\$(CurrID)

 TxtPassword.Text = ""

 DataStudent.RecordSource = "SELECT * FROM Student WHERE ID = " & Str\$(CurrID)

 DataStudent.Refresh

End Sub

Sub TxtPassword_GotFocus ()

 SelectAll

End Sub

Student

ID: Password:

First Name:

Middle Init: Sex: Male Female

Last Name:

Cancel

OK

VERSION 2.00

Begin Form Info

```

BorderStyle = 1 'Fixed Single
Caption = "Student Info"
ClientHeight = 2772
ClientLeft = 1380
ClientTop = 1500
ClientWidth = 4452
ClipControls = 0 'False
ControlBox = 0 'False
Height = 3192
Icon = (Icon)
Left = 1332
LinkTopic = "Form1"
MaxButton = 0 'False
MDIChild = -1 'True
MinButton = 0 'False
ScaleHeight = 2772
ScaleWidth = 4452
Top = 1128
Width = 4548

```

Begin Data DataStudent

```

Caption = "Student Data"
Connect = ""
DatabaseName = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive = 0 'False
Height = 270
Left = 2040
Options = 0
ReadOnly = 0 'False
RecordSource = "Student"
Top = 0
Visible = 0 'False
Width = 2415

```

End

Begin CommandButton CmdOK

```

Caption = "OK"
Default = -1 'True
Height = 495
Left = 2520
TabIndex = 15
Top = 2160
Width = 1335

```

End

Begin CommandButton CmdCancel

```

Cancel = -1 'True
Caption = "Cancel"
Height = 495
Left = 600
TabIndex = 14
Top = 2160
Width = 1335

```

End

Begin Frame FrmStudent

```

Caption = "Student"
Height = 1935
Left = 120
TabIndex = 0
Top = 120
Width = 4215

```

Begin TextBox TxtPassword

```

DataField = "Password"
DataSource = "DataStudent"
Height = 285
Left = 2520
PasswordChar = "*"
TabIndex = 4
Top = 360
Width = 1575

```

End

Begin TextBox TxtID

```

DataField = "ID"
DataSource = "DataStudent"
Height = 285

```

```

    Left          = 480
    TabIndex      = 2
    Top           = 360
    Width        = 855
End
Begin TextBox TxtMiddle
    DataField     = "MI"
    DataSource    = "DataStudent"
    Height        = 285
    Left         = 1320
    TabIndex      = 8
    Top          = 1080
    Width        = 255
End
Begin OptionButton OptSex
    Caption       = "Female"
    Height        = 255
    Index         = 1
    Left          = 3120
    TabIndex      = 11
    Top           = 1080
    Width        = 975
End
Begin OptionButton OptSex
    Caption       = "Male"
    Height        = 255
    Index         = 0
    Left          = 2280
    TabIndex      = 10
    Top           = 1080
    Value         = -1 'True
    Width        = 735
End
Begin TextBox TxtFirst
    DataField     = "FirstName"
    DataSource    = "DataStudent"
    Height        = 285
    Left         = 1320
    TabIndex      = 6
    Top          = 720
    Width        = 2775
End
Begin TextBox TxtLast
    DataField     = "LastName"
    DataSource    = "DataStudent"
    Height        = 285
    Left         = 1320
    TabIndex      = 13
    Top          = 1440
    Width        = 2775
End
Begin Label LblPassword
    Caption       = "&Password:"
    Height        = 255
    Left         = 1560
    TabIndex      = 3
    Top          = 360
    Width        = 855
End
Begin Label LblMiddle
    Caption       = "&Middle Init:"
    Height        = 255
    Left         = 120
    TabIndex      = 7
    Top          = 1080
    Width        = 1215
End
Begin Label LblSex
    Caption       = "&Sex:"
    Height        = 255
    Left         = 1800
    TabIndex      = 9
    Top          = 1080
    Width        = 495

```



```
End
Begin Label LblID
  Caption      = "&ID:"
  Height       = 255
  Left         = 120
  TabIndex     = 1
  Top          = 360
  Width        = 255
End
Begin Label LblFirst
  Caption      = "&First Name:"
  Height       = 255
  Left         = 120
  TabIndex     = 5
  Top          = 720
  Width        = 975
End
Begin Label LblLast
  Caption      = "&Last Name:"
  Height       = 255
  Left         = 120
  TabIndex     = 12
  Top          = 1440
  Width        = 975
End
End
End
```

Option Explicit

```
Sub TxtExt_KeyPress (KeyAscii As Integer)
    KeyAscii = ValidDigit(KeyAscii)
End Sub
```

```
Sub CmdCancel_Click ()
    Rollback
    Unload Info
    GetFile.Show
End Sub
```

```
Sub CmdOK_Click ()
    If NewStudent Then CurrID = Val(TxtID)
    If OptSex(0) = True Then DataStudent.Recordset!Sex = "M" Else DataStudent.Recordset!Sex = "F"
    DataStudent.Recordset.Update
    CommitTrans
    Unload Info
    Admiss.Show
End Sub
```

```
Sub Form_Load ()
    BeginTrans
    If Not NewStudent Then
        DataStudent.RecordSource = "SELECT * FROM Student WHERE ID = " & Str$(CurrID)
        DataStudent.Refresh
        DataStudent.Recordset.Edit
        If DataStudent.Recordset!Sex = "M" Then OptSex(0) = True Else OptSex(1) = True
        Info.Caption = "Student Info - " & DataStudent.Recordset!LastName & ", " & DataStudent.Re
cordset!FirstName
    Else
        DataStudent.RecordSource = "Student"
        DataStudent.Refresh
        DataStudent.Recordset.AddNew
        OptSex(0) = True
        Info.Caption = "Student Info - [New Student]"
    End If
End Sub
```

```
Sub TxtFirst_Change ()
    Info.Caption = "Student Info - " & TxtLast & ", " & TxtFirst
End Sub
```

```
Sub TxtFirst_GotFocus ()
    SelectAll
End Sub
```

```
Sub TxtID_GotFocus ()
    SelectAll
End Sub
```

```
Sub TxtID_KeyPress (KeyAscii As Integer)
    KeyAscii = ValidDigit(KeyAscii)
End Sub
```

```
Sub TxtLast_Change ()
    Info.Caption = "Student Info - " & TxtLast & ", " & TxtFirst
End Sub
```

```
Sub TxtLast_GotFocus ()
    SelectAll
End Sub
```

```
Sub TxtMiddle_GotFocus ()
    SelectAll
End Sub
```

```
Sub TxtPassword_GotFocus ()
    SelectAll
End Sub
```

Standing		High School	
CmbStanding		English:	0
		Algebra:	0
		Geometry:	0
		Biology:	0
		World His.:	0
		Bible:	0
		Other Subj.:	0
		Total:	0
ACT			
English Skills:	Score: 0	%ile: 0	
Mathematics Skills:	0	0	
Rdg Comprehension:	0	0	
Science Reasoning:	0	0	
Composite Score:	0	0	

Cancel

OK

Standing Data

Student Data

VERSION 2.00

Begin Form Admiss

```

BorderStyle = 1 'Fixed Single
Caption = "Admissions Info"
ClientHeight = 4212
ClientLeft = 1032
ClientTop = 1248
ClientWidth = 5784
ClipControls = 0 'False
ControlBox = 0 'False
Height = 4632
Icon = (Icon)
Left = 984
LinkTopic = "Form4"
MaxButton = 0 'False
MDIChild = -1 'True
MinButton = 0 'False
ScaleHeight = 4212
ScaleWidth = 5784
Top = 876
Width = 5880

```

Begin Data DataStanding

```

Caption = "Standing Data"
Connect = ""
DatabaseName = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive = 0 'False
Height = 270
Left = 0
Options = 0
ReadOnly = 0 'False
RecordSource = "Standing"
Top = 3960
Visible = 0 'False
Width = 2415

```

End

Begin Data DataStudent

```

Caption = "Student Data"
Connect = ""
DatabaseName = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive = 0 'False
Height = 270
Left = 3360
Options = 0
ReadOnly = 0 'False
RecordSource = "Student"
Top = 3960
Visible = 0 'False
Width = 2415

```

End

Begin Frame FrmStanding

```

Caption = "&Standing"
Height = 975
Left = 120
TabIndex = 0
Top = 120
Width = 3735

```

Begin ComboBox CmbStanding

```

Height = 300
Left = 240
Style = 2 'Dropdown List
TabIndex = 1

```

```

Top = 360
Width = 3255

```

End

End

Begin CommandButton CmdOK

```

Caption = "OK"
Default = -1 'True
Height = 495
Left = 3360
TabIndex = 31
Top = 3600
Width = 1575

```

```

End
Begin CommandButton CmdCancel
  Cancel      = -1 'True
  Caption     = "Cancel"
  Height      = 495
  Left        = 840
  TabIndex    = 30
  Top         = 3600
  Width       = 1575
End
Begin Frame FrmACT
  Caption     = "&ACT"
  Height      = 2415
  Left        = 120
  TabIndex    = 2
  Top         = 1080
  Width       = 3735
  Begin TextBox TxtACTScienceP
    Alignment  = 1 'Right Justify
    DataField  = "ACTScienceP"
    DataSource = "DataStudent"
    Height     = 285
    Left       = 3120
    MaxLength  = 2
    TabIndex   = 14
    Text       = "0"
    Top        = 1560
    Width      = 375
  End
  Begin TextBox TxtACTReadingP
    Alignment  = 1 'Right Justify
    DataField  = "ACTReadingP"
    DataSource = "DataStudent"
    Height     = 285
    Left       = 3120
    MaxLength  = 2
    TabIndex   = 11
    Text       = "0"
    Top        = 1200
    Width      = 375
  End
  Begin TextBox TxtACTMathP
    Alignment  = 1 'Right Justify
    DataField  = "ACTMathP"
    DataSource = "DataStudent"
    Height     = 285
    Left       = 3120
    MaxLength  = 2
    TabIndex   = 8
    Text       = "0"
    Top        = 840
    Width      = 375
  End
  Begin TextBox TxtACTEnglishP
    Alignment  = 1 'Right Justify
    DataField  = "ACTEnglishP"
    DataSource = "DataStudent"
    Height     = 285
    Left       = 3120
    MaxLength  = 2
    TabIndex   = 5
    Text       = "0"
    Top        = 480
    Width      = 375
  End
  Begin TextBox TxtACTScience
    Alignment  = 1 'Right Justify
    DataField  = "ACTScience"
    DataSource = "DataStudent"
    Height     = 285
    Left       = 2280
    MaxLength  = 2
    TabIndex   = 13
    Text       = "0"
  End

```

```

    Top          = 1560
    Width        = 375
End
Begin TextBox TxtACTReading
    Alignment    = 1 'Right Justify
    DataField    = "ACTReading"
    DataSource   = "DataStudent"
    Height       = 285
    Left         = 2280
    MaxLength    = 2
    TabIndex     = 10
    Text         = "0"
    Top          = 1200
    Width        = 375
End
Begin TextBox TxtACTMath
    Alignment    = 1 'Right Justify
    DataField    = "ACTMath"
    DataSource   = "DataStudent"
    Height       = 285
    Left         = 2280
    MaxLength    = 2
    TabIndex     = 7
    Text         = "0"
    Top          = 840
    Width        = 375
End
Begin TextBox TxtACTEnglish
    Alignment    = 1 'Right Justify
    DataField    = "ACTEnglish"
    DataSource   = "DataStudent"
    Height       = 285
    Left         = 2280
    MaxLength    = 2
    TabIndex     = 4
    Text         = "0"
    Top          = 480
    Width        = 375
End
Begin Line LineACTPercentileTotal
    BorderWidth  = 2
    X1           = 3000
    X2           = 3600
    Y1           = 1920
    Y2           = 1920
End
Begin Line LineACTScoreTotal
    BorderWidth  = 2
    X1           = 2160
    X2           = 2760
    Y1           = 1920
    Y2           = 1920
End
Begin Label LblACTCompositeP
    Alignment    = 1 'Right Justify
    Caption      = "0"
    Height       = 255
    Left         = 3120
    TabIndex     = 32
    Top          = 2040
    Width        = 375
End
Begin Label LblPercentile
    Alignment    = 2 'Center
    Caption      = "%ile:"
    Height       = 255
    Left         = 3120
    TabIndex     = 38
    Top          = 240
    Width        = 375
End
Begin Label LblScore
    Alignment    = 2 'Center
    Caption      = "Score:"

```

```

    Height      = 255
    Left        = 2160
    TabIndex    = 37
    Top         = 240
    Width       = 615
End
Begin Label LblACTCompositeNum
    Alignment   = 1 'Right Justify
    Caption     = "0"
    Height      = 255
    Left        = 2280
    TabIndex    = 36
    Top         = 2040
    Width       = 375
End
Begin Label LblComposite
    Caption     = "Composite Score:"
    Height      = 255
    Left        = 120
    TabIndex    = 35
    Top         = 2040
    Width       = 1935
End
Begin Label LblACTScience
    Caption     = "Science &Reasoning:"
    Height      = 255
    Left        = 120
    TabIndex    = 12
    Top         = 1560
    Width       = 1935
End
Begin Label LblACTReading
    Caption     = "Rdg &Comprehension:"
    Height      = 255
    Left        = 120
    TabIndex    = 9
    Top         = 1200
    Width       = 1935
End
Begin Label LblACTMath
    Caption     = "&Mathematics Skills:"
    Height      = 255
    Left        = 120
    TabIndex    = 6
    Top         = 840
    Width       = 1935
End
Begin Label LblACTEnglish
    Caption     = "&English Skills:"
    Height      = 255
    Left        = 120
    TabIndex    = 3
    Top         = 480
    Width       = 1935
End
End
Begin Frame FrmHS
    Caption     = "&High School"
    ForeColor   = &H00000000&
    Height      = 3375
    Left        = 3960
    TabIndex    = 15
    Top         = 120
    Width       = 1695
Begin TextBox TxtHSOther
    Alignment   = 1 'Right Justify
    DataField   = "HSOther"
    DataSource  = "DataStudent"
    Height      = 285
    Left        = 1200
    MaxLength   = 1
    TabIndex    = 29
    Text        = "0"
    Top         = 2520

```

```

Width          = 255
End
Begin TextBox TxtHSBible
Alignment      = 1 'Right Justify
DataField      = "HSBible"
DataSource     = "DataStudent"
Height        = 285
Left           = 1200
MaxLength     = 1
TabIndex      = 27
Text          = "0"
Top           = 2160
Width         = 255
End
Begin TextBox TxtHSWorldHistory
Alignment      = 1 'Right Justify
DataField      = "HSWorldHistory"
DataSource     = "DataStudent"
Height        = 285
Left           = 1200
MaxLength     = 1
TabIndex      = 25
Text          = "0"
Top           = 1800
Width         = 255
End
Begin TextBox TxtHSBiology
Alignment      = 1 'Right Justify
DataField      = "HSBiology"
DataSource     = "DataStudent"
Height        = 285
Left           = 1200
MaxLength     = 1
TabIndex      = 23
Text          = "0"
Top           = 1440
Width         = 255
End
Begin TextBox TxtHSGeometry
Alignment      = 1 'Right Justify
DataField      = "HSGeometry"
DataSource     = "DataStudent"
Height        = 285
Left           = 1200
MaxLength     = 1
TabIndex      = 21
Text          = "0"
Top           = 1080
Width         = 255
End
Begin TextBox TxtHSAlgebra
Alignment      = 1 'Right Justify
DataField      = "HSAlgebra"
DataSource     = "DataStudent"
Height        = 285
Left           = 1200
MaxLength     = 1
TabIndex      = 19
Text          = "0"
Top           = 720
Width         = 255
End
Begin TextBox TxtHSEnglish
Alignment      = 1 'Right Justify
DataField      = "HSEnglish"
DataSource     = "DataStudent"
Height        = 285
Left           = 1200
MaxLength     = 1
TabIndex      = 17
Text          = "0"
Top           = 360
Width         = 255
End

```



```

Begin Line LineHSTotal
  BorderWidth      = 2
  X1                = 1080
  X2                = 1560
  Y1                = 2880
  Y2                = 2880
End
Begin Label LblHSOther
  Caption          = "&Other Subj.:"
  Height           = 255
  Left             = 120
  TabIndex         = 28
  Top              = 2520
  Width            = 1095
End
Begin Label LblHSBible
  Caption          = "&Bible:"
  Height           = 255
  Left             = 120
  TabIndex         = 26
  Top              = 2160
  Width            = 1095
End
Begin Label LblHSWorldHistory
  Caption          = "&World His.:"
  Height           = 255
  Left             = 120
  TabIndex         = 24
  Top              = 1800
  Width            = 1095
End
Begin Label LblHSBiology
  Caption          = "&Biology:"
  Height           = 255
  Left             = 120
  TabIndex         = 22
  Top              = 1440
  Width            = 1095
End
Begin Label LblHSGeometry
  Caption          = "&Geometry:"
  Height           = 255
  Left             = 120
  TabIndex         = 20
  Top              = 1080
  Width            = 1095
End
Begin Label LblHSAlgebra
  Caption          = "Algebra:"
  Height           = 255
  Left             = 120
  TabIndex         = 18
  Top              = 720
  Width            = 1095
End
Begin Label LblHSEnglish
  Caption          = "E&nglish:"
  Height           = 255
  Left             = 120
  TabIndex         = 16
  Top              = 360
  Width            = 1095
End
Begin Label LblHSTotalNum
  Alignment        = 1 'Right Justify
  Caption          = "0"
  Height           = 255
  Left             = 1080
  TabIndex         = 34
  Top              = 3000
  Width            = 375
End
Begin Label LblHSTotal
  Caption          = "Total:"

```

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Height	=	255
Left	=	120
TabIndex	=	33
Top	=	3000
Width	=	1095

End

End

End

Option Explicit

```
Sub UpdateACTComposite ()
    Dim ACTComposite As Integer
    ACTComposite = Val(TxtACTEnglish.Text)
    ACTComposite = ACTComposite + Val(TxtACTMath.Text)
    ACTComposite = ACTComposite + Val(TxtACTReading.Text)
    ACTComposite = ACTComposite + Val(TxtACTScience.Text)
    ACTComposite = ((ACTComposite * 10 / 4) + 5) / 10
    LblACTCompositeNum.Caption = Str(ACTComposite)
End Sub
```

```
Sub UpdateACTCompositeP ()
    Dim ACTCompositeP As Integer
    ACTCompositeP = Val(TxtACTEnglishP.Text)
    ACTCompositeP = ACTCompositeP + Val(TxtACTMathP.Text)
    ACTCompositeP = ACTCompositeP + Val(TxtACTReadingP.Text)
    ACTCompositeP = ACTCompositeP + Val(TxtACTScienceP.Text)
    ACTCompositeP = ((ACTCompositeP * 10 / 4) + 5) / 10
    LblACTCompositeP.Caption = Str(ACTCompositeP)
End Sub
```

```
Sub UpdateHSTotal ()
    Dim HSTotal As Integer
    HSTotal = Val(TxtHSEnglish.Text)
    HSTotal = HSTotal + Val(TxtHSAgebra.Text)
    HSTotal = HSTotal + Val(TxtHSGeometry.Text)
    HSTotal = HSTotal + Val(TxtHSBiology.Text)
    HSTotal = HSTotal + Val(TxtHSWorldHistory.Text)
    HSTotal = HSTotal + Val(TxtHSBible.Text)
    HSTotal = HSTotal + Val(TxtHSOther.Text)
    LblHSTotalNum.Caption = Str(HSTotal)
End Sub
```

```
Sub CmdCancel_Click ()
    Rollback
    Unload Admiss
    Info.Show
End Sub
```

```
Sub CmdOK_Click ()
    DataStudent.Recordset!Standing = Left$(CmbStanding, 1)
    DataStudent.Recordset.Update
    CommitTrans
    Unload Admiss
    FieldsStudy.Show
End Sub
```

```
Sub Form_Load ()

    BeginTrans

    DataStudent.RecordSource = "SELECT * FROM Student WHERE ID = " & Str$(CurrID)
    DataStudent.Refresh

    Admiss.Caption = "Admissions Info - " & DataStudent.Recordset!LastName & ", " & DataStudent.R
    ecordset!FirstName

    DataStanding.Refresh
    Do Until DataStanding.Recordset.EOF
        CmbStanding.AddItem DataStanding.Recordset!Code & " - " & DataStanding.Recordset!Name
        If DataStudent.Recordset!Standing = DataStanding.Recordset!Code Then CmbStanding.ListInde
x = CmbStanding.ListCount - 1
        DataStanding.Recordset.MoveNext
    Loop

    If NewStudent Then CmbStanding.ListIndex = 0

    UpdateACTComposite
    UpdateACTCompositeP
    UpdateHSTotal

    DataStudent.Recordset.Edit
```

```
End Sub

Sub TxtACTEnglish_GotFocus ()
    SelectAll
End Sub

Sub TxtACTEnglish_KeyPress (KeyAscii As Integer)
    KeyAscii = ValidDigit(KeyAscii)
End Sub

Sub TxtACTEnglish_LostFocus ()
    UpdateACTComposite
End Sub

Sub TxtACTEnglishP_GotFocus ()
    SelectAll
End Sub

Sub TxtACTEnglishP_KeyPress (KeyAscii As Integer)
    KeyAscii = ValidDigit(KeyAscii)
End Sub

Sub TxtACTEnglishP_LostFocus ()
    UpdateACTCompositeP
End Sub

Sub TxtACTMath_GotFocus ()
    SelectAll
End Sub

Sub TxtACTMath_KeyPress (KeyAscii As Integer)
    KeyAscii = ValidDigit(KeyAscii)
End Sub

Sub TxtACTMath_LostFocus ()
    UpdateACTComposite
End Sub

Sub TxtACTMathP_GotFocus ()
    SelectAll
End Sub

Sub TxtACTMathP_KeyPress (KeyAscii As Integer)
    KeyAscii = ValidDigit(KeyAscii)
End Sub

Sub TxtACTMathP_LostFocus ()
    UpdateACTCompositeP
End Sub

Sub TxtACTReading_GotFocus ()
    SelectAll
End Sub

Sub TxtACTReading_KeyPress (KeyAscii As Integer)
    KeyAscii = ValidDigit(KeyAscii)
End Sub

Sub TxtACTReading_LostFocus ()
    UpdateACTComposite
End Sub

Sub TxtACTReadingP_GotFocus ()
    SelectAll
End Sub

Sub TxtACTReadingP_KeyPress (KeyAscii As Integer)
    KeyAscii = ValidDigit(KeyAscii)
End Sub

Sub TxtACTReadingP_LostFocus ()
    UpdateACTCompositeP
End Sub
```

```
Sub TxtACTScience_GotFocus ()
  SelectAll
End Sub

Sub TxtACTScience_KeyPress (KeyAscii As Integer)
  KeyAscii = ValidDigit(KeyAscii)
End Sub

Sub TxtACTScience_LostFocus ()
  UpdateACTComposite
End Sub

Sub TxtACTScienceP_GotFocus ()
  SelectAll
End Sub

Sub TxtACTScienceP_KeyPress (KeyAscii As Integer)
  KeyAscii = ValidDigit(KeyAscii)
End Sub

Sub TxtACTScienceP_LostFocus ()
  UpdateACTCompositeP
End Sub

Sub TxtHSAlgebra_GotFocus ()
  SelectAll
End Sub

Sub TxtHSAlgebra_KeyPress (KeyAscii As Integer)
  KeyAscii = ValidDigit(KeyAscii)
End Sub

Sub TxtHSAlgebra_LostFocus ()
  UpdateHSTotal
End Sub

Sub TxtHSBible_GotFocus ()
  SelectAll
End Sub

Sub TxtHSBible_KeyPress (KeyAscii As Integer)
  KeyAscii = ValidDigit(KeyAscii)
End Sub

Sub TxtHSBible_LostFocus ()
  UpdateHSTotal
End Sub

Sub TxtHSBiology_GotFocus ()
  SelectAll
End Sub

Sub TxtHSBiology_KeyPress (KeyAscii As Integer)
  KeyAscii = ValidDigit(KeyAscii)
End Sub

Sub TxtHSBiology_LostFocus ()
  UpdateHSTotal
End Sub

Sub TxtHSEnglish_GotFocus ()
  SelectAll
End Sub

Sub TxtHSEnglish_KeyPress (KeyAscii As Integer)
  KeyAscii = ValidDigit(KeyAscii)
End Sub

Sub TxtHSEnglish_LostFocus ()
  UpdateHSTotal
End Sub

Sub TxtHSGeometry_GotFocus ()
```

```
    SelectAll
End Sub

Sub TxtHSGeometry_KeyPress (KeyAscii As Integer)
    KeyAscii = ValidDigit(KeyAscii)
End Sub

Sub TxtHSGeometry_LostFocus ()
    UpdateHSTotal
End Sub

Sub TxtHSOther_GotFocus ()
    SelectAll
End Sub

Sub TxtHSOther_KeyPress (KeyAscii As Integer)
    KeyAscii = ValidDigit(KeyAscii)
End Sub

Sub TxtHSOther_LostFocus ()
    UpdateHSTotal
End Sub

Sub TxtHSWorldHistory_GotFocus ()
    SelectAll
End Sub

Sub TxtHSWorldHistory_KeyPress (KeyAscii As Integer)
    KeyAscii = ValidDigit(KeyAscii)
End Sub

Sub TxtHSWorldHistory_LostFocus ()
    UpdateHSTotal
End Sub
```

Available Fields:

LstAvail

Student Deg

Degree Code
Degree Abbr
>Add->
Field Code
Field Name
<Drop-<
Student Deg
Student Field

Current Fields of Study:

Bachelor of Science

LstFields

Field Code	Field Name	Student Deg	Student Field

Cancel

OK

Student Deg	Degree D	Field Code	Student Field

VERSION 2.00

Begin Form FieldsStudy

```

BorderStyle = 1 'Fixed Single
Caption = "Fields of Study"
ClientHeight = 3600
ClientLeft = 648
ClientTop = 1392
ClientWidth = 7452
ClipControls = 0 'False
ControlBox = 0 'False
Height = 4020
Icon = (Icon)
Left = 600
LinkTopic = "Form2"
MaxButton = 0 'False
MDIChild = -1 'True
MinButton = 0 'False
ScaleHeight = 3600
ScaleWidth = 7452
Top = 1020
Width = 7548
    
```

Begin Data DataStudent

```

Caption = "Student Data"
Connect = ""
DatabaseName = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive = 0 'False
Height = 270
Left = 0
Options = 0
ReadOnly = 0 'False
RecordSource = "Student"
Top = 3360
Visible = 0 'False
Width = 1935
    
```

End

Begin Data DataDegree

```

Caption = "Degree Data"
Connect = ""
DatabaseName = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive = 0 'False
Height = 270
Left = 1920
Options = 0
ReadOnly = 0 'False
RecordSource = "Degree"
Top = 3360
Visible = 0 'False
Width = 1815
    
```

End

Begin Data DataStudentField

```

Caption = "Student Field Data"
Connect = ""
DatabaseName = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive = 0 'False
Height = 270
Left = 5400
Options = 0
ReadOnly = 0 'False
RecordSource = "StudentField"
Top = 3360
Visible = 0 'False
Width = 2055
    
```

End

Begin Data DataField

```

Caption = "Field Data"
Connect = ""
DatabaseName = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive = 0 'False
Height = 270
Left = 3720
Options = 0
ReadOnly = 0 'False
RecordSource = "Field"
Top = 3360
    
```



```

    Visible      = 0  'False
    Width       = 1695
End
Begin CommandButton CmdCancel
    Cancel      = -1  'True
    Caption     = "Cancel"
    Height     = 495
    Left       = 4560
    TabIndex   = 6
    Top        = 3000
    Width      = 1095
End
Begin CommandButton CmdOK
    Caption     = "OK"
    Default    = -1  'True
    Height     = 495
    Left       = 6120
    TabIndex   = 7
    Top        = 3000
    Width      = 1095
End
Begin CommandButton CmdRemove
    Caption     = "<-&Drop-<"
    Height     = 495
    Left       = 3120
    TabIndex   = 3
    Top        = 1920
    Width      = 1215
End
Begin CommandButton CmdAdd
    Caption     = ">-&Add->"
    Height     = 495
    Left       = 3120
    TabIndex   = 2
    Top        = 960
    Width      = 1215
End
Begin ListBox LstFields
    Columns    = 2
    Height     = 2136
    Left       = 4440
    TabIndex   = 5
    Top        = 600
    Width      = 2892
End
Begin ListBox LstAvail
    Height     = 3096
    Left       = 120
    Sorted    = -1  'True
    TabIndex   = 1
    Top        = 360
    Width      = 2892
End
Begin Label LblStudentField
    BorderStyle = 1  'Fixed Single
    Caption     = "Student Field"
    DataField   = "Field"
    DataSource  = "DataStudentField"
    Height     = 255
    Left       = 3120
    TabIndex   = 14
    Top        = 2640
    Visible    = 0  'False
    Width      = 1215
End
Begin Label LblStudentDegree
    BorderStyle = 1  'Fixed Single
    Caption     = "Student Deg"
    DataField   = "Degree"
    DataSource  = "DataStudentField"
    Height     = 255
    Left       = 3120
    TabIndex   = 13
    Top        = 2400

```

```
Visible      = 0  'False
Width       = 1215
End
Begin Label LblDegreeAbbr
  BorderStyle = 1  'Fixed Single
  Caption     = "Degree Abbr"
  DataField   = "Abbr"
  DataSource  = "DataDegree"
  Height     = 255
  Left       = 3120
  TabIndex   = 12
  Top        = 720
  Visible    = 0  'False
  Width      = 1215
End
Begin Label LblFieldCode
  BorderStyle = 1  'Fixed Single
  Caption     = "Field Code"
  DataField   = "Code"
  DataSource  = "DataField"
  Height     = 255
  Left       = 3120
  TabIndex   = 11
  Top        = 1440
  Visible    = 0  'False
  Width      = 1215
End
Begin Label LblDegreeCode
  BorderStyle = 1  'Fixed Single
  Caption     = "Degree Code"
  DataField   = "Degree"
  DataSource  = "DataField"
  Height     = 255
  Left       = 3120
  TabIndex   = 10
  Top        = 480
  Visible    = 0  'False
  Width      = 1215
End
Begin Label LblFieldName
  BorderStyle = 1  'Fixed Single
  Caption     = "Field Name"
  DataField   = "Name"
  DataSource  = "DataField"
  Height     = 255
  Left       = 3120
  TabIndex   = 9
  Top        = 1680
  Visible    = 0  'False
  Width      = 1215
End
Begin Label LblDegree
  Caption     = "Bachelor of Science"
  Height     = 255
  Left       = 4440
  TabIndex   = 8
  Top        = 360
  Width      = 2295
End
Begin Label LblAreas
  Caption     = "&Current Fields of Study:"
  Height     = 255
  Left       = 4440
  TabIndex   = 4
  Top        = 120
  Width      = 2535
End
Begin Label LblAvail
  Caption     = "A&vailable Fields:"
  Height     = 255
  Left       = 120
  TabIndex   = 0
  Top        = 120
  Width      = 1455
```

End
End

FIELDS.FRM - 1

Option Explicit

```
Sub CmdAdd_Click ()
    LstFields.AddItem LstAvail.Text
    LstAvail.RemoveItem LstAvail.ListIndex
End Sub
```

```
Sub CmdCancel_Click ()
    Rollback
    Unload FieldsStudy
    Admiss.Show
End Sub
```

```
Sub CmdOK_Click ()
    CommitTrans
    Unload FieldsStudy
    Trans.Show
End Sub
```

```
Sub CmdRemove_Click ()
    LstAvail.AddItem LstFields.Text
    LstFields.RemoveItem LstFields.ListIndex
End Sub
```

```
Sub Form_Load ()
```

```
    DataStudent.RecordSource = "SELECT * FROM Student WHERE ID = " & Str$(CurrID)
    DataStudent.Refresh
    FieldsStudy.Caption = "Fields of Study - " & DataStudent.Recordset!LastName & ", " & DataStudent.Recordset!FirstName
```

```
    DataField.RecordSource = "SELECT * FROM Field"
    DataField.Refresh
    Do Until DataField.Recordset.EOF
        DataDegree.RecordSource = "SELECT * FROM Degree WHERE Code = "" & LblDegreeCode & """"
        DataDegree.Refresh
        LstAvail.AddItem LblDegreeAbbr & " in " & LblFieldName
        DataStudentField.RecordSource = "SELECT * FROM StudentField WHERE Degree = "" & LblDegreeCode & "" and Field = "" & LblFieldCode & """"
        DataStudentField.Refresh
        If DataStudentField.Recordset.RecordCount = 1 Then
            LstFields.AddItem LblDegreeAbbr & " in " & LblFieldName
        End If
        DataField.Recordset.MoveNext
    Loop

    BeginTrans
End Sub
```


VERSION 2.00

Begin Form Trans

```
BorderStyle      = 1  'Fixed Single
Caption          = "Transcript"
ClientHeight     = 4932
ClientLeft       = 1020
ClientTop        = 1416
ClientWidth      = 6732
ControlBox       = 0  'False
Height           = 5352
Icon             = (Icon)
Left             = 972
LinkTopic        = "Form1"
MaxButton        = 0  'False
MDIChild         = -1 'True
MinButton        = 0  'False
ScaleHeight      = 4932
ScaleWidth       = 6732
Top              = 1044
Width            = 6828
```

Begin Data DataGrade

```
Caption          = "Grade Data"
Connect          = ""
DatabaseName     = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive        = 0  'False
Height           = 270
Left             = 4920
Options          = 0
ReadOnly         = 0  'False
RecordSource     = "Grade"
Top              = 1320
Visible          = 0  'False
Width            = 1815
```

End

Begin Data DataTerm

```
Caption          = "Term Data"
Connect          = ""
DatabaseName     = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive        = 0  'False
Height           = 270
Left             = 0
Options          = 0
ReadOnly         = 0  'False
RecordSource     = "Term"
Top              = 1320
Visible          = 0  'False
Width            = 1695
```

End

Begin Data DataStudentClass

```
Caption          = "Student Class Data"
Connect          = ""
DatabaseName     = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive        = 0  'False
Height           = 270
Left             = 4320
Options          = 0
ReadOnly         = 0  'False
RecordSource     = "StudentClass"
Top              = 4680
Visible          = 0  'False
Width            = 2415
```

End

Begin Data DataStudent

```
Caption          = "Student Data"
Connect          = ""
DatabaseName     = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive        = 0  'False
Height           = 270
Left             = 0
Options          = 0
ReadOnly         = 0  'False
RecordSource     = "Student"
Top              = 4680
Visible          = 0  'False
```

```
Width          = 1935
End
Begin Data DataClass
Caption        = "Class Data"
Connect       = ""
DatabaseName  = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive     = 0 'False
Height        = 270
Left          = 2280
Options       = 0
ReadOnly      = 0 'False
RecordSource  = "Class"
Top           = 4680
Visible       = 0 'False
Width         = 1695
End
Begin CommandButton CmdCancel
Cancel        = -1 'True
Caption       = "Cancel Changes"
Height        = 495
Left         = 840
TabIndex     = 6
Top          = 4320
Width        = 1935
End
Begin CommandButton CmdAccept
Caption       = "Accept Transcript"
Default      = -1 'True
Height       = 495
Left        = 3960
TabIndex    = 7
Top         = 4320
Width       = 1935
End
Begin Frame FrmAdd
Caption      = "Add Class to Transcript"
Height      = 1335
Left        = 120
TabIndex    = 0
Top         = 120
Width       = 6495
Begin TextBox TxtYear
Height      = 285
Left        = 2640
MaxLength   = 4
TabIndex    = 3
Text        = "1995"
Top         = 840
Width       = 615
End
Begin ComboBox CmbTerm
Height      = 300
Left        = 120
Style       = 2 'Dropdown List
TabIndex    = 2

Top         = 840
Width       = 1815
End
Begin CommandButton CmdAdd
Caption     = "Add"
Height     = 375
Left      = 5160
TabIndex  = 5
Top       = 840
Width     = 1215
End
Begin ComboBox CmbGrade
Height     = 300
Left      = 4200
Style     = 2 'Dropdown List
TabIndex  = 4

Top       = 840
```

```
        Width          = 735
End
Begin ComboBox CmbClass
    Height          = 300
    Left           = 120
    Style          = 2 'Dropdown List
    TabIndex       = 1

    Top           = 360
    Width        = 1215
End
Begin Label LblGrade
    Caption        = "Grade:"
    Height         = 255
    Left          = 3600
    TabIndex      = 13
    Top           = 840
    Width         = 615
End
Begin Label Lbl1
    BackStyle      = 0 'Transparent
    Caption        = "Hours:"
    Height         = 255
    Left          = 5520
    TabIndex      = 12
    Top           = 360
    Width         = 615
End
Begin Label LblHoursNum
    Alignment      = 1 'Right Justify
    BorderStyle    = 1 'Fixed Single
    Caption        = "0"
    DataField      = "Hours"
    DataSource     = "DataClass"
    Height         = 255
    Left          = 6120
    TabIndex      = 11
    Top           = 360
    Width         = 255
End
Begin Label LblYear
    Caption        = "Year:"
    Height         = 255
    Left          = 2160
    TabIndex      = 9
    Top           = 840
    Width         = 495
End
Begin Label LblClassName
    BorderStyle    = 1 'Fixed Single
    Caption        = "Class Name"
    DataField      = "Name"
    DataSource     = "DataClass"
    Height         = 255
    Left          = 1560
    TabIndex      = 10
    Top           = 360
    Width         = 3735
End
End
Begin Grid GrdTrans
    Cols          = 6
    Enabled       = 0 'False
    FixedCols     = 0
    Height        = 2655
    HighLight     = 0 'False
    Left         = 120
    ScrollBars    = 2 'Vertical
    TabIndex     = 8
    TabStop      = 0 'False
    Top          = 1560
    Width        = 6495
End
Begin Label LblClassCode
```



```
BorderStyle = 1 'Fixed Single
Caption     = "Class Code"
DataField   = "Class"
DataSource  = "DataStudentClass"
Height      = 255
Left        = 2760
TabIndex   = 14
Top         = 4320
Visible     = 0 'False
Width       = 1215
End
End
```

TRANS.FRM - 1

Option Explicit

Sub FillGrid ()

Dim NewRow As String

DataStudentClass.RecordSource = "SELECT * FROM StudentClass WHERE ID = " & Str\$(CurrID) & " ORDER BY Class"

DataStudentClass.Refresh

Do Until DataStudentClass.Recordset.EOF

DataClass.RecordSource = "SELECT * FROM Class WHERE Code = "" & LblClassCode & """

DataClass.Refresh

NewRow = LblClassCode & HTab & DataClass.Recordset!Name & HTab & DataClass.Recordset!Hour

NewRow = NewRow & HTab & CmbTerm.List(DataStudentClass.Recordset!Term - 1) & HTab

NewRow = NewRow & DataStudentClass.Recordset!Year & HTab & DataStudentClass.Recordset!Grade

GrdTrans.AddItem NewRow

DataStudentClass.Recordset.MoveNext

Loop

If GrdTrans.Rows > 2 Then GrdTrans.RemoveItem 1

End Sub

Sub SetupCombos ()

DataClass.RecordSource = "SELECT * FROM Class ORDER BY Code"

DataClass.Refresh

Do Until DataClass.Recordset.EOF

CmbClass.AddItem DataClass.Recordset!Code

DataClass.Recordset.MoveNext

Loop

If CmbClass.ListCount > 0 Then CmbClass.ListIndex = 0

DataTerm.RecordSource = "SELECT * FROM Term ORDER BY Code"

DataTerm.Refresh

Do Until DataTerm.Recordset.EOF

CmbTerm.AddItem DataTerm.Recordset!Name

DataTerm.Recordset.MoveNext

Loop

If CmbTerm.ListCount > 0 Then CmbTerm.ListIndex = 0

DataGrade.RecordSource = "SELECT * FROM Grade ORDER BY Code"

DataGrade.Refresh

Do Until DataGrade.Recordset.EOF

CmbGrade.AddItem DataGrade.Recordset!Code

DataGrade.Recordset.MoveNext

Loop

If CmbGrade.ListCount > 0 Then CmbGrade.ListIndex = 0

End Sub

Sub SetupGrid ()

'Set up column widths

GrdTrans.ColWidth(0) = 1000

GrdTrans.ColWidth(1) = 3000

GrdTrans.ColWidth(2) = 300

GrdTrans.ColWidth(3) = 1000

GrdTrans.ColWidth(4) = 500

GrdTrans.ColWidth(5) = 300

'Set up column titles

GrdTrans.Row = 0

GrdTrans.Col = 0

GrdTrans.Text = "Dept/#"

GrdTrans.Col = 1

GrdTrans.Text = "Class"

GrdTrans.Col = 2

GrdTrans.Text = "Hr"

GrdTrans.Col = 3

```
GrdTrans.Text = "Tr"  
GrdTrans.Col = 4  
GrdTrans.Text = "Year"  
GrdTrans.Col = 5  
GrdTrans.Text = "Gr"
```

End Sub

Sub CmbClass_Click ()

```
DataClass.RecordSource = "SELECT * FROM Class WHERE Code = "" & CmbClass & """  
DataClass.Refresh
```

End Sub

Sub CmdAccept_Click ()

```
DataStudentClass.Recordset.Update  
CommitTrans  
Unload Trans  
Req.Show
```

End Sub

Sub CmdAdd_Click ()

```
Dim NewRow As String  
  
DataStudentClass.RecordSource = "SELECT * FROM StudentClass"  
DataStudentClass.Refresh  
DataStudentClass.Recordset.AddNew  
DataStudentClass.Recordset!ID = CurrID  
DataStudentClass.Recordset!Class = CmbClass  
DataStudentClass.Recordset!Term = CmbTerm.ListIndex + 1  
DataStudentClass.Recordset!Year = TxtYear  
DataStudentClass.Recordset!Grade = CmbGrade  
DataStudentClass.Recordset.Update  
  
NewRow = CmbClass & HTab & LblClassName & HTab & LblHoursNum & HTab  
NewRow = NewRow & CmbTerm & HTab & TxtYear & HTab & CmbGrade  
GrdTrans.AddItem NewRow
```

End Sub

Sub Form_Load ()

```
BeginTrans  
  
SetupGrid  
SetupCombos  
FillGrid
```

End Sub

Sub TxtYear_GotFocus ()

```
SelectAll
```

End Sub

Sub TxtYear_KeyPress (KeyAscii As Integer)

```
KeyAscii = ValidDigit(KeyAscii)
```

End Sub

Fields of Study:

Student Field De

LstFields

Degree De Field De

Areas:

Area De

LstAreas

Classes: (Highlighted courses are available ne

Class De

LstClasses

Go Back

OK

VERSION 2.00

Begin Form Req

```
BorderStyle      = 1  'Fixed Single
Caption          = "Requirements"
ClientHeight     = 4572
ClientLeft      = 2256
ClientTop       = 468
ClientWidth     = 5652
ClipControls    = 0  'False
ControlBox      = 0  'False
Height          = 4992
Icon            = (Icon)
Left            = 2208
LinkTopic       = "Form3"
MaxButton       = 0  'False
MDIChild        = -1 'True
MinButton       = 0  'False
ScaleHeight     = 4572
ScaleWidth      = 5652
Top             = 96
Width           = 5748
```

Begin CommandButton CmdBack

```
Cancel          = -1 'True
Caption         = "Go Back"
Height         = 495
Left           = 840
TabIndex       = 6
Top            = 3960
Width          = 1575
```

End

Begin Data DataDegree

```
Caption         = "Degree Data"
Connect        = ""
DatabaseName    = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive       = 0  'False
Height         = 270
Left           = 2160
Options        = 0
ReadOnly        = 0  'False
RecordSource    = "Degree"
Top            = 840
Visible        = 0  'False
Width          = 1860
```

End

Begin Data DataClass

```
Caption         = "Class Data"
Connect        = ""
DatabaseName    = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive       = 0  'False
Height         = 270
Left           = 3960
Options        = 0
ReadOnly        = 0  'False
RecordSource    = "Class"
Top            = 2040
Visible        = 0  'False
Width          = 1740
```

End

Begin Data DataArea

```
Caption         = "Area Data"
Connect        = ""
DatabaseName    = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive       = 0  'False
Height         = 270
Left           = 4080
Options        = 0
ReadOnly        = 0  'False
RecordSource    = "Area"
Top            = 1080
Visible        = 0  'False
Width          = 1620
```

End

Begin Data DataStudentField

```
Caption         = "Student Field Data"
```

```
Connect          = ""
DatabaseName     = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive        = 0 'False
Height           = 270
Left             = 3360
Options          = 0
ReadOnly         = 0 'False
RecordSource     = "StudentField"
Top              = 120
Visible          = 0 'False
Width            = 2340
End
Begin Data DataField
Caption          = "Field Data"
Connect         = ""
DatabaseName     = "C:\HONORS\DATA\DEMAS.MDB"
Exclusive        = 0 'False
Height           = 270
Left             = 3960
Options          = 0
ReadOnly         = 0 'False
RecordSource     = "Field"
Top              = 840
Visible          = 0 'False
Width            = 1740
End
Begin CommandButton CmdOK
Caption          = "OK"
Default         = -1 'True
Height           = 495
Left             = 3240
TabIndex        = 7
Top              = 3960
Width            = 1575
End
Begin ListBox LstClasses
Height           = 1560
Left             = 120
MultiSelect     = 1 'Simple
TabIndex        = 5
Top              = 2280
Width            = 5412
End
Begin ListBox LstAreas
Height           = 600
Left             = 120
TabIndex        = 3
Top              = 1320
Width            = 5412
End
Begin ListBox LstFields
Height           = 600
Left             = 120
TabIndex        = 1
Top              = 360
Width            = 5412
End
Begin Label LblClasses
Caption          = "Classes: (Highlighted courses are available next semester)"
Height           = 255
Left             = 120
TabIndex        = 4
Top              = 2040
Width            = 5415
End
Begin Label LblAreas
Caption          = "Areas:"
Height           = 255
Left             = 120
TabIndex        = 2
Top              = 1080
Width            = 615
End
Begin Label LblFields
```

REQ.FRM - 3

```
    Caption      =   "Fields of Study:"
    Height       =   255
    Left         =   120
    TabIndex     =   0
    Top          =   120
    Width        =   1335
End
End
```

REQ.FRM - 1

Option Explicit

Sub CmdBack_Click ()

 Unload Req
 Trans.Show

End Sub

Sub CmdOK_Click ()

 Unload Req
 Sched.Show

End Sub

Sub Form_Load ()

 DataStudentField.RecordSource = "SELECT * FROM StudentField WHERE ID = " & Str\$(CurrID)
 DataStudentField.Refresh
 Do Until DataStudentField.Recordset.EOF
 DataField.RecordSource = "SELECT * FROM Field WHERE Degree = "" & DataStudentField.Recordset!Degree & "" And Code = "" & DataStudentField.Recordset!Field & """
 DataField.Refresh
 DataDegree.RecordSource = "SELECT * FROM Degree WHERE Code = "" & DataStudentField.Recordset!Degree & """
 DataDegree.Refresh
 LstFields.AddItem DataDegree.Recordset!Code & DataField.Recordset!Code & " - " & DataDegree.Recordset!Abbr & " in " & DataField.Recordset!Name
 DataStudentField.Recordset.MoveNext
 Loop

End Sub

Sub LstFields_Click ()

 LstAreas.Clear
 DataArea.RecordSource = "SELECT * FROM Area WHERE Degree = "" & Left\$(LstFields, 2) & "" and Field = "" & Mid\$(LstFields, 3, 2) & """
 DataArea.Refresh
 Do Until DataArea.Recordset.EOF
 LstAreas.AddItem DataArea.Recordset!Name
 DataArea.Recordset.MoveNext
 Loop

End Sub

SCHED.FRM - 1

VERSION 2.00

Begin Form Sched

```
BorderStyle = 1 'Fixed Single
Caption = "Class Schedule"
ClientHeight = 4092
ClientLeft = 792
ClientTop = 1368
ClientWidth = 7224
ClipControls = 0 'False
ControlBox = 0 'False
Height = 4512
Icon = (Icon)
Left = 744
LinkTopic = "Form5"
MaxButton = 0 'False
MDIChild = -1 'True
MinButton = 0 'False
ScaleHeight = 4092
ScaleWidth = 7224
Top = 996
Width = 7320
```

Begin Grid GrdSched

```
Cols = 7
Height = 3375
HighLight = 0 'False
Left = 120
Rows = 49
ScrollBars = 2 'Vertical
TabIndex = 0
Top = 120
Width = 6975
```

End

End

SCHED.FRM - 1

Option Explicit

Sub SetupGrid ()

'Set up column widths

GrdSched.ColWidth(0) = 500
GrdSched.ColWidth(1) = 1000
GrdSched.ColWidth(2) = 1000
GrdSched.ColWidth(3) = 1000
GrdSched.ColWidth(4) = 1000
GrdSched.ColWidth(5) = 1000
GrdSched.ColWidth(6) = 1000

'Set up column titles

GrdSched.Row = 0

GrdSched.Col = 0

GrdSched.Text = "Time"

GrdSched.Col = 1

GrdSched.Text = "Sun"

GrdSched.Col = 2

GrdSched.Text = "Mon"

GrdSched.Col = 3

GrdSched.Text = "Tue"

GrdSched.Col = 4

GrdSched.Text = "Wed"

GrdSched.Col = 5

GrdSched.Text = "Thu"

GrdSched.Col = 6

GrdSched.Text = "Fri"

End Sub

Sub Form_Load ()

SetupGrid

End Sub

```
-----
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-----
```

```
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' the Sample Application Files (and/or any modified version) in any way
' you find useful, provided that you agree that Microsoft has no warranty,
' obligations or liability for any Sample Application Files.
-----
```

```
DefInt A-Z
```

```
' Type use by the API routine InvertRect()
```

```
Type RECT
```

```
Left As Integer
Top As Integer
Right As Integer
bottom As Integer
```

```
End Type
```

```
' Type use by IconWorks to keep track of the 6 Icons that be edited at once.
```

```
Type ICONRECORD
```

```
FileName As String
FullPath As String
Changed As Integer
```

```
End Type
```

```
' Window API Function Declarations
```

```
Declare Function BitBlt Lib "Gdi" (ByVal destHdc, ByVal X, ByVal Y, ByVal w, ByVal h, ByVal srcHdc,
ByVal srcX, ByVal srcY, ByVal Rop As Long)
```

```
Declare Function CreateCompatibleBitmap Lib "Gdi" (ByVal hdc, ByVal w, ByVal h)
```

```
Declare Function CreateCompatibleDC Lib "Gdi" (ByVal hdc)
```

```
Declare Function DeleteDC Lib "Gdi" (ByVal hdc)
```

```
Declare Function DeleteObject Lib "Gdi" (ByVal hObject)
```

```
Declare Function ExtFloodFill Lib "Gdi" (ByVal hdc, ByVal X, ByVal Y, ByVal crColor As Long, ByVal
l wFillType)
```

```
Declare Function GetBitmapBits Lib "Gdi" (ByVal hBitmap, ByVal dwCount As Long, ByVal lpBits As L
ong) As Long
```

```
Declare Function GetDeviceCaps Lib "Gdi" (ByVal hdc, ByVal nIndex)
```

```
Declare Function GetMenu Lib "User" (ByVal hwnd)
```

```
Declare Function GetNearestColor Lib "Gdi" (ByVal hdc, ByVal RGBColor As Long) As Long
```

```
Declare Function GetPrivateProfileInt Lib "Kernel" (ByVal Appname As String, ByVal KeyName As Str
ing, ByVal DEFAULT As Integer, ByVal FileName As String)
```

```
Declare Function GetPrivateProfileString Lib "Kernel" (ByVal Appname As String, ByVal KeyName As
String, ByVal DEFAULT As String, ByVal ReturnedString As String, ByVal MaxSize, ByVal FileName As
String)
```

```
Declare Function GetSubMenu Lib "User" (ByVal hwnd, ByVal Position)
```

```
Declare Function GetSystemMenu Lib "User" (ByVal hwnd, ByVal bRevert)
```

```
Declare Function GlobalLock Lib "Kernel" (ByVal mMem) As Long
```

```
Declare Function GlobalUnlock Lib "Kernel" (ByVal mMem)
```

```
Declare Function InvertRect Lib "User" (ByVal hdc, lpRect As RECT)
```

```
Declare Function RemoveMenu Lib "User" (ByVal hMenu, ByVal nPosition, ByVal wFlags)
```

```
Declare Function SelectObject Lib "Gdi" (ByVal hdc, ByVal hObject)
```

```
Declare Function SetBitmapBits Lib "Gdi" (ByVal hBitmap, ByVal dwCount As Long, ByVal lpBits As L
ong) As Long
```

```
Declare Function StretchBlt Lib "Gdi" (ByVal destHdc, ByVal X, ByVal Y, ByVal w, ByVal h, ByVal s
rcHdc, ByVal srcX, ByVal srcY, ByVal srcW, ByVal srcH, ByVal Rop As Long)
```

```
Declare Function TrackPopupMenu Lib "User" (ByVal hMenu, ByVal r1, ByVal X, ByVal Y, ByVal r2, By
Val hwnd, ByVal r3 As Long)
```

```
Declare Function WinHelp Lib "User" (ByVal hwnd, ByVal HelpFile$, ByVal wCommand, ByVal dwData As
Long)
```

```
Declare Function WritePrivateProfileString Lib "Kernel" (ByVal Appname As String, ByVal KeyName A
s String, ByVal NewString As String, ByVal FileName As String)
```

```
' Window API Constant Declarations
```

```
Global Const SRCCOPY = &HCC0020
```

```
Global Const SRCAND = &H8800C6
```

```
Global Const SRCINVERT = &H660046
```

```
Global Const FLOODFILLSURFACE = 1
```

```
Global Const MF_BYPOSITION = &H400
```

```
Global Const BITSPIXEL = 12
```

```
' INI file KeyNames
```

```
Global Const APP_NAME = "IconWorks"
Global Const KEY_COLOR = "Colors Row"
Global Const KEY_GRID = "Grid"
Global Const KEY_LINE_GRID = "Line Grid"
Global Const KEY_DOTTED_GRID = "Dotted Grid"
Global Const KEY_STATUS_BAR = "Status Bar"
Global Const KEY_TOOL_PALETTE = "Tool Palette"
Global Const KEY_COLOR_PALETTE = "Color Palette"
Global Const KEY_ZOOM_SCROLLBAR = "Zoom Scrollbar"
Global Const KEY_FOCUS = "Editor Focus"
Global Const KEY_BORDER = "Icon Border"
Global Const KEY_POPUP = "Popup Menu"
Global Const KEY_SHOW_ICONS = "Show Icons"
Global Const KEY_DEFAULT = "Default Colors"
Global Const KEY_SOLID = "Solid Colors"
Global Const KEY_INI = "INI File Colors"
Global Const INI_FILENAME = "IconWrks.INI"
```

```
' Default Color palette values
```

```
Global Const DEFAULT_COLORS_ROW1 = "16777215 14737632 12632319 12640511 14745599 12648384 1677715
2 16761024 16761087 00000192 00016576 00049344 00049152 12632064 12582912 12583104"
Global Const DEFAULT_COLORS_ROW2 = "12632256 04210752 08421631 08438015 08454143 08454016 1677708
8 16744576 16744703 00000128 00016512 00032896 00032768 08421376 08388608 08388736"
Global Const DEFAULT_COLORS_ROW3 = "08421504 00000000 00000255 00033023 00065535 00065280 1677696
0 16711680 16711935 00000064 04210816 00016448 00016384 04210688 04194304 04194368"
```

```
' Default value for ICONRECORD Filename field
```

```
Global Const UNTITLED = "[Untitled]"
```

```
' Editor's File Menu ID's
```

```
Global Const MID_NEW = 0
Global Const MID_OPEN = 1
Global Const MID_SAVE = 2
Global Const MID_SAVE_AS = 3
Global Const MID_EXIT = 5
```

```
' Editor's Edit Menu ID's
```

```
Global Const MID_UNDO = 0
Global Const MID_CUT = 2
Global Const MID_COPY = 3
Global Const MID_PASTE = 4
Global Const MID_PASTE_OPAQUE = 5
Global Const MID_DELETE = 6
Global Const MID_SELECT_ALL = 7
Global Const MID_FLIP_HORIZONTAL = 9
Global Const MID_FLIP_VERTICAL = 10
Global Const MID_ROTATE_RIGHT = 12
Global Const MID_ROTATE_LEFT = 13
Global Const MID_INVERT = 15
```

```
' Editor's View Menu ID's
```

```
Global Const MID_STATUS_BAR = 0
Global Const MID_TOOL_PALETTE = 1
Global Const MID_COLOR_PALETTE = 2
Global Const MID_ZOOM_SCROLLBAR = 3
Global Const MID_SHOW_ALL = 4
Global Const MID_GRID = 6
Global Const MID_LINE_GRID = 7
Global Const MID_DOTTED_GRID = 8
Global Const MID_ZOOM_IN = 10
Global Const MID_ZOOM_OUT = 11
Global Const MID_FOCUS = 13
Global Const MID_BORDER = 14
Global Const MID_POPUP_MENU = 15
```

```
' Editor's Color Menu ID's
```

```

Global Const MID_COLORS = 0
Global Const MID_DEFAULT_COLORS = 1
Global Const MID_SOLID_COLORS = 2
Global Const MID_INI_COLORS = 3
Global Const MID_SAVE_COLORS = 5
Global Const MID_LEFT_RIGHT = 7
Global Const MID_SCREEN_INVERSE = 8
'
' Viewer's Options Menu ID's
'
Global Const MID_EDITOR = 0
Global Const MID_SHOW_ALL_ICONS = 1
Global Const MID_SHOW_ON_DIR_CHANGE = 3
'
' Help Menu ID's
'
Global Const MID_INDEX = 1
Global Const MID_KEYBOARD = 2
Global Const MID_COMMANDS = 3
Global Const MID_USING_HELP = 4
Global Const MID_ABOUT = 6
'
' Index values for Editor.Opt_ColorMouse()
'
Global Const MOUSE_COLORS = 0
Global Const SCREEN_COLORS = 1
'
' Adjustment Values for Editor's Sub Adjust_X_And_Y()
'
Global Const TO_CENTER = 0
Global Const TO_EDGE = 1
'
' Editor's ToolPalette ID's
'
Global Const TID_SELECT = 0
Global Const TID_PAINT = 1
Global Const TID_FILL = 2
Global Const TID_LINE = 3
Global Const TID_SQUARE = 4
Global Const TID_FILLED_SQUARE = 5
Global Const TID_CIRCLE = 6
Global Const TID_FILLED_CIRCLE = 7
'
' Viewer and SaveFileDialog File Control values
'
Global Const FILE_NOT_FOUND = 53
Global Const FILENAME_CHANGED = 0
Global Const FILE_CHANGED = 1
Global Const DIR_CHANGED = 2
'
' Viewer's viewing window Cell size - 32x32 pixels + 1
'
Global Const ICON_CELL = 34&
'
' Index's into the ColorPalettes' Scrl_RGB()
'
Global Const RED_ELEMENT = 0
Global Const GREEN_ELEMENT = 1
Global Const BLUE_ELEMENT = 2
'
' Miscellaneous
'
Global Const EGA_HEIGHT = 7000
Global Const HID_DEFINING_COLORS = 1000
Global Const ICONWORKS_EDITOR = 0
Global Const ICONWORKS_VIEWER = 1
'
' Editor's Information Array and Color palette array
'
Global IconInfo(5) As ICONRECORD
Global Colors(47) As Long
Global MouseColors(3) As Long
'

```

' Editor Global Variables

```

Global ToolInProgress      As Integer
Global MovingSelection     As Integer
Global Selecting          As Integer
Global Moveable           As Integer
Global Opaque              As Integer
Global CurrentTool        As Integer
Global CurrentIcon        As Integer
Global BrushSize          As Integer
Global PixelSize          As Integer
Global X1Region           As Integer
Global Y1Region           As Integer
Global X2Region           As Integer
Global Y2Region           As Integer
Global XMoveSelection     As Integer
Global YMoveSelection     As Integer
Global X1SelectFrom       As Integer
Global Y1SelectFrom       As Integer
Global X2SelectFrom       As Integer
Global Y2SelectFrom       As Integer
Global LastX1             As Integer
Global LastY1             As Integer
Global LastX2             As Integer
Global LastY2             As Integer
Global LastXpix           As Integer
Global LastYpix           As Integer
Global DoubleClicked      As Integer
Global ColorIndex         As Integer
Global MonoHdc            As Integer
Global MonoHbm            As Integer
Global ImageSize          As Integer
Global XCenter            As Single
Global YCenter            As Single
Global Aspect             As Single
Global Radius             As Single
Global ColorString        As String

```

' Viewer Global Variables

```

Global MaxIcons           As Integer
Global IconRows           As Integer
Global IconColumns        As Integer
Global MinViewerWidth     As Integer
Global MinViewerHeight    As Integer
Global ShowingAllIcons    As Integer

```

' Miscelaneous

```

Global MainForm           As Integer
Global EditorLoaded       As Integer
Global ViewerLoaded       As Integer
Global ColorPaletteLoaded As Integer
Global EditorInitialized  As Integer
Global VLastChanged       As Integer
Global SLastChanged       As Integer
Global NumColorsIs256     As Integer
Global Text               As String
Global CRLF                As String * 2
Global A_TAB               As String * 1

```

.....

' Visual Basic global constant file. This file can be loaded into a code module.

' Some constants are commented out because they have duplicates (e.g., NONE appears several places).

' If you are updating a Visual Basic application written with an older version, you should replace your global constants with the constants in this file.

.....

' General

' Clipboard formats

Global Const CF_LINK = &HBF00
 Global Const CF_TEXT = 1
 Global Const CF_BITMAP = 2
 Global Const CF_METAFILE = 3
 Global Const CF_DIB = 8
 Global Const CF_PALETTE = 9

' DragOver

Global Const ENTER = 0
 Global Const LEAVE = 1
 Global Const OVER = 2

' Drag (controls)

Global Const CANCEL = 0
 Global Const BEGIN_DRAG = 1
 Global Const END_DRAG = 2

' Show parameters

Global Const MODAL = 1
 Global Const MODELESS = 0

' Arrange Method

' for MDI Forms

Global Const CASCADE = 0
 Global Const TILE_HORIZONTAL = 1
 Global Const TILE_VERTICAL = 2
 Global Const ARRANGE_ICONS = 3

' ZOrder Method

Global Const BRINGTOFRONT = 0
 Global Const SENDTOBACK = 1

' Key Codes

Global Const KEY_LBUTTON = &H1
 Global Const KEY_RBUTTON = &H2
 Global Const KEY_CANCEL = &H3
 Global Const KEY_MBUTTON = &H4
 Global Const KEY_BACK = &H8
 Global Const KEY_TAB = &H9
 Global Const KEY_CLEAR = &HC
 Global Const KEY_RETURN = &HD
 Global Const KEY_SHIFT = &H10
 Global Const KEY_CONTROL = &H11
 Global Const KEY_MENU = &H12
 Global Const KEY_PAUSE = &H13
 Global Const KEY_CAPITAL = &H14
 Global Const KEY_ESCAPE = &H1B
 Global Const KEY_SPACE = &H20
 Global Const KEY_PRIOR = &H21
 Global Const KEY_NEXT = &H22
 Global Const KEY_END = &H23
 Global Const KEY_HOME = &H24
 Global Const KEY_LEFT = &H25
 Global Const KEY_UP = &H26
 Global Const KEY_RIGHT = &H27
 Global Const KEY_DOWN = &H28
 Global Const KEY_SELECT = &H29
 Global Const KEY_PRINT = &H2A
 Global Const KEY_EXECUTE = &H2B
 Global Const KEY_SNAPSHOT = &H2C
 Global Const KEY_INSERT = &H2D
 Global Const KEY_DELETE = &H2E
 Global Const KEY_HELP = &H2F

' NOT contiguous with L & RBUTTON

' KEY_A thru KEY_Z are the same as their ASCII equivalents: 'A' thru 'Z'
 ' KEY_0 thru KEY_9 are the same as their ASCII equivalents: '0' thru '9'

Global Const KEY_NUMPAD0 = &H60
 Global Const KEY_NUMPAD1 = &H61
 Global Const KEY_NUMPAD2 = &H62
 Global Const KEY_NUMPAD3 = &H63
 Global Const KEY_NUMPAD4 = &H64


```

Global Const KEY_NUMPAD5 = &H65
Global Const KEY_NUMPAD6 = &H66
Global Const KEY_NUMPAD7 = &H67
Global Const KEY_NUMPAD8 = &H68
Global Const KEY_NUMPAD9 = &H69
Global Const KEY_MULTIPLY = &H6A
Global Const KEY_ADD = &H6B
Global Const KEY_SEPARATOR = &H6C
Global Const KEY_SUBTRACT = &H6D
Global Const KEY_DECIMAL = &H6E
Global Const KEY_DIVIDE = &H6F
Global Const KEY_F1 = &H70
Global Const KEY_F2 = &H71
Global Const KEY_F3 = &H72
Global Const KEY_F4 = &H73
Global Const KEY_F5 = &H74
Global Const KEY_F6 = &H75
Global Const KEY_F7 = &H76
Global Const KEY_F8 = &H77
Global Const KEY_F9 = &H78
Global Const KEY_F10 = &H79
Global Const KEY_F11 = &H7A
Global Const KEY_F12 = &H7B
Global Const KEY_F13 = &H7C
Global Const KEY_F14 = &H7D
Global Const KEY_F15 = &H7E
Global Const KEY_F16 = &H7F

```

```

Global Const KEY_NUMLOCK = &H90

```

' Variant VarType tags

```

Global Const V_EMPTY = 0
Global Const V_NULL = 1
Global Const V_INTEGER = 2
Global Const V_LONG = 3
Global Const V_SINGLE = 4
Global Const V_DOUBLE = 5
Global Const V_CURRENCY = 6
Global Const V_DATE = 7
Global Const V_STRING = 8

```

' Event Parameters

' ErrNum (LinkError)

```

Global Const WRONG_FORMAT = 1
Global Const DDE_SOURCE_CLOSED = 6
Global Const TOO_MANY_LINKS = 7
Global Const DATA_TRANSFER_FAILED = 8

```

' QueryUnload

```

Global Const FORM_CONTROLMENU = 0
Global Const FORM_CODE = 1
Global Const APP_WINDOWS = 2
Global Const APP_TASKMANAGER = 3
Global Const FORM_MDIFORM = 4

```

' Properties

' Colors

```

Global Const BLACK = &H0&
Global Const RED = &HFF&
Global Const GREEN = &HFF00&
Global Const YELLOW = &HFFFF&
Global Const BLUE = &HFF0000
Global Const MAGENTA = &HFF00FF
Global Const CYAN = &HFFFF00
Global Const WHITE = &HFFFFFF

```

' System Colors

```

Global Const SCROLL_BARS = &H80000000 ' Scroll-bars gray area.
Global Const DESKTOP = &H80000001 ' Desktop.
Global Const ACTIVE_TITLE_BAR = &H80000002 ' Active window caption.

```

```

Global Const INACTIVE_TITLE_BAR = &H80000003 ' Inactive window caption.
Global Const MENU_BAR = &H80000004 ' Menu background.
Global Const WINDOW_BACKGROUND = &H80000005 ' Window background.
Global Const WINDOW_FRAME = &H80000006 ' Window frame.
Global Const MENU_TEXT = &H80000007 ' Text in menus.
Global Const WINDOW_TEXT = &H80000008 ' Text in windows.
Global Const TITLE_BAR_TEXT = &H80000009 ' Text in caption, size box, scroll-bar arrow box
..
Global Const ACTIVE_BORDER = &H8000000A ' Active window border.
Global Const INACTIVE_BORDER = &H8000000B ' Inactive window border.
Global Const APPLICATION_WORKSPACE = &H8000000C ' Background color of multiple document interface
(MDI) applications.
Global Const HIGHLIGHT = &H8000000D ' Items selected item in a control.
Global Const HIGHLIGHT_TEXT = &H8000000E ' Text of item selected in a control.
Global Const BUTTON_FACE = &H8000000F ' Face shading on command buttons.
Global Const BUTTON_SHADOW = &H80000010 ' Edge shading on command buttons.
Global Const GRAY_TEXT = &H80000011 ' Grayed (disabled) text. This color is set to 0
if the current display driver does not support a
Global Const BUTTON_TEXT = &H80000012 ' Text on push buttons.

```

' Enumerated Types

' Align (picture box)

```

Global Const NONE = 0
Global Const ALIGN_TOP = 1
Global Const ALIGN_BOTTOM = 2

```

' Alignment

```

Global Const LEFT_JUSTIFY = 0 ' 0 - Left Justify
Global Const RIGHT_JUSTIFY = 1 ' 1 - Right Justify
Global Const CENTER = 2 ' 2 - Center

```

' BorderStyle (form)

```

Global Const NONE = 0 ' 0 - None
Global Const FIXED_SINGLE = 1 ' 1 - Fixed Single
Global Const SIZABLE = 2 ' 2 - Sizable (Forms only)
Global Const FIXED_DOUBLE = 3 ' 3 - Fixed Double (Forms only)

```

' BorderStyle (Shape and Line)

```

Global Const TRANSPARENT = 0 ' 0 - Transparent
Global Const SOLID = 1 ' 1 - Solid
Global Const DASH = 2 ' 2 - Dash
Global Const DOT = 3 ' 3 - Dot
Global Const DASH_DOT = 4 ' 4 - Dash-Dot
Global Const DASH_DOT_DOT = 5 ' 5 - Dash-Dot-Dot
Global Const INSIDE_SOLID = 6 ' 6 - Inside Solid

```

' MousePointer

```

Global Const DEFAULT = 0 ' 0 - Default
Global Const ARROW = 1 ' 1 - Arrow
Global Const CROSSHAIR = 2 ' 2 - Cross
Global Const IBEAM = 3 ' 3 - I-Beam
Global Const ICON_POINTER = 4 ' 4 - Icon
Global Const SIZE_POINTER = 5 ' 5 - Size
Global Const SIZE_NE_SW = 6 ' 6 - Size NE SW
Global Const SIZE_N_S = 7 ' 7 - Size N S
Global Const SIZE_NW_SE = 8 ' 8 - Size NW SE
Global Const SIZE_W_E = 9 ' 9 - Size W E
Global Const UP_ARROW = 10 ' 10 - Up Arrow
Global Const HOURGLASS = 11 ' 11 - Hourglass
Global Const NO_DROP = 12 ' 12 - No drop

```

' DragMode

```

Global Const MANUAL = 0 ' 0 - Manual
Global Const AUTOMATIC = 1 ' 1 - Automatic

```

' DrawMode

```

Global Const BLACKNESS = 1 ' 1 - Blackness
Global Const NOT_MERGE_PEN = 2 ' 2 - Not Merge Pen
Global Const MASK_NOT_PEN = 3 ' 3 - Mask Not Pen
Global Const NOT_COPY_PEN = 4 ' 4 - Not Copy Pen
Global Const MASK_PEN_NOT = 5 ' 5 - Mask Pen Not
Global Const INVERT = 6 ' 6 - Invert
Global Const XOR_PEN = 7 ' 7 - Xor Pen

```

```

Global Const NOT_MASK_PEN = 8      ' 8 - Not Mask Pen
Global Const MASK_PEN = 9         ' 9 - Mask Pen
Global Const NOT_XOR_PEN = 10     ' 10 - Not Xor Pen
Global Const NOP = 11             ' 11 - Nop
Global Const MERGE_NOT_PEN = 12   ' 12 - Merge Not Pen
Global Const COPY_PEN = 13       ' 13 - Copy Pen
Global Const MERGE_PEN_NOT = 14   ' 14 - Merge Pen Not
Global Const MERGE_PEN = 15      ' 15 - Merge Pen
Global Const WHITENESS = 16      ' 16 - Whiteness

' DrawStyle
Global Const SOLID = 0           ' 0 - Solid
Global Const DASH = 1            ' 1 - Dash
Global Const DOT = 2             ' 2 - Dot
Global Const DASH_DOT = 3       ' 3 - Dash-Dot
Global Const DASH_DOT_DOT = 4   ' 4 - Dash-Dot-Dot
Global Const INVISIBLE = 5      ' 5 - Invisible
Global Const INSIDE_SOLID = 6   ' 6 - Inside Solid

' FillStyle
Global Const SOLID = 0           ' 0 - Solid
Global Const TRANSPARENT = 1    ' 1 - Transparent
Global Const HORIZONTAL_LINE = 2 ' 2 - Horizontal Line
Global Const VERTICAL_LINE = 3  ' 3 - Vertical Line
Global Const UPWARD_DIAGONAL = 4 ' 4 - Upward Diagonal
Global Const DOWNWARD_DIAGONAL = 5 ' 5 - Downward Diagonal
Global Const CROSS = 6          ' 6 - Cross
Global Const DIAGONAL_CROSS = 7 ' 7 - Diagonal Cross

' LinkMode (forms and controls)
Global Const NONE = 0           ' 0 - None
Global Const LINK_SOURCE = 1    ' 1 - Source (forms only)
Global Const LINK_AUTOMATIC = 1 ' 1 - Automatic (controls only)
Global Const LINK_MANUAL = 2    ' 2 - Manual (controls only)
Global Const LINK_NOTIFY = 3    ' 3 - Notify (controls only)

' LinkMode (kept for VB1.0 compatibility, use new constants instead)
Global Const HOT = 1            ' 1 - Hot (controls only)
Global Const SERVER = 1        ' 1 - Server (forms only)
Global Const COLD = 2          ' 2 - Cold (controls only)

' ScaleMode
Global Const USER = 0          ' 0 - User
Global Const TWIPS = 1         ' 1 - Twip
Global Const POINTS = 2       ' 2 - Point
Global Const PIXELS = 3       ' 3 - Pixel
Global Const CHARACTERS = 4    ' 4 - Character
Global Const INCHES = 5       ' 5 - Inch
Global Const MILLIMETERS = 6   ' 6 - Millimeter
Global Const CENTIMETERS = 7  ' 7 - Centimeter

' ScrollBar
Global Const NONE = 0          ' 0 - None
Global Const HORIZONTAL = 1    ' 1 - Horizontal
Global Const VERTICAL = 2     ' 2 - Vertical
Global Const BOTH = 3         ' 3 - Both

' Shape
Global Const SHAPE_RECTANGLE = 0
Global Const SHAPE_SQUARE = 1
Global Const SHAPE_OVAL = 2
Global Const SHAPE_CIRCLE = 3
Global Const SHAPE_ROUNDED_RECTANGLE = 4
Global Const SHAPE_ROUNDED_SQUARE = 5

' WindowState
Global Const NORMAL = 0        ' 0 - Normal
Global Const MINIMIZED = 1    ' 1 - Minimized
Global Const MAXIMIZED = 2    ' 2 - Maximized

' Check Value
Global Const UNCHECKED = 0     ' 0 - Unchecked
Global Const CHECKED = 1      ' 1 - Checked

```

Global Const GRAYED = 2 ' 2 - Grayed

' Shift parameter masks
 Global Const SHIFT_MASK = 1
 Global Const CTRL_MASK = 2
 Global Const ALT_MASK = 4

' Button parameter masks
 Global Const LEFT_BUTTON = 1
 Global Const RIGHT_BUTTON = 2
 Global Const MIDDLE_BUTTON = 4

' Function Parameters

' MsgBox parameters

Global Const MB_OK = 0 ' OK button only
 Global Const MB_OKCANCEL = 1 ' OK and Cancel buttons
 Global Const MB_ABORTRETRYIGNORE = 2 ' Abort, Retry, and Ignore buttons
 Global Const MB_YESNOCANCEL = 3 ' Yes, No, and Cancel buttons
 Global Const MB_YESNO = 4 ' Yes and No buttons
 Global Const MB_RETRYCANCEL = 5 ' Retry and Cancel buttons

Global Const MB_ICONSTOP = 16 ' Critical message
 Global Const MB_ICONQUESTION = 32 ' Warning query
 Global Const MB_ICONEXCLAMATION = 48 ' Warning message
 Global Const MB_ICONINFORMATION = 64 ' Information message

Global Const MB_APPLMODAL = 0 ' Application Modal Message Box
 Global Const MB_DEFBUTTON1 = 0 ' First button is default
 Global Const MB_DEFBUTTON2 = 256 ' Second button is default
 Global Const MB_DEFBUTTON3 = 512 ' Third button is default
 Global Const MB_SYSTEMMODAL = 4096 ' System Modal

' MsgBox return values

Global Const IDOK = 1 ' OK button pressed
 Global Const IDCANCEL = 2 ' Cancel button pressed
 Global Const IDABORT = 3 ' Abort button pressed
 Global Const IDRETRY = 4 ' Retry button pressed
 Global Const IDIGNORE = 5 ' Ignore button pressed
 Global Const IDYES = 6 ' Yes button pressed
 Global Const IDNO = 7 ' No button pressed

' SetAttr, Dir, GetAttr functions

Global Const ATTR_NORMAL = 0
 Global Const ATTR_READONLY = 1
 Global Const ATTR_HIDDEN = 2
 Global Const ATTR_SYSTEM = 4
 Global Const ATTR_VOLUME = 8
 Global Const ATTR_DIRECTORY = 16
 Global Const ATTR_ARCHIVE = 32

' Grid

' ColAlignment, FixedAlignment Properties

Global Const GRID_ALIGNLEFT = 0
 Global Const GRID_ALIGNRIGHT = 1
 Global Const GRID_ALIGNCENTER = 2

' Fillstyle Property

Global Const GRID_SINGLE = 0
 Global Const GRID_REPEAT = 1

' Data control

' Error event Response arguments

Global Const DATA_ERRCONTINUE = 0
 Global Const DATA_ERRDISPLAY = 1

' Editmode property values

Global Const DATA_EDITNONE = 0
 Global Const DATA_EDITMODE = 1
 Global Const DATA_EDITADD = 2

' Options property values

Global Const DATA_DENYWRITE = &H1
 Global Const DATA_DENYREAD = &H2

Global Const DATA_READONLY = &H4
 Global Const DATA_APPENDONLY = &H8
 Global Const DATA_INCONSISTENT = &H10
 Global Const DATA_CONSISTENT = &H20
 Global Const DATA_SQLPASSTHROUGH = &H40

'Validate event Action arguments

Global Const DATA_ACTIONCANCEL = 0
 Global Const DATA_ACTIONMOVEFIRST = 1
 Global Const DATA_ACTIONMOVEPREVIOUS = 2
 Global Const DATA_ACTIONMOVENEXT = 3
 Global Const DATA_ACTIONMOVELAST = 4
 Global Const DATA_ACTIONADDNEW = 5
 Global Const DATA_ACTIONUPDATE = 6
 Global Const DATA_ACTIONDELETE = 7
 Global Const DATA_ACTIONFIND = 8
 Global Const DATA_ACTIONBOOKMARK = 9
 Global Const DATA_ACTIONCLOSE = 10
 Global Const DATA_ACTIONUNLOAD = 11

'OLE Control

'Actions

Global Const OLE_CREATE_EMBED = 0
 Global Const OLE_CREATE_NEW = 0 'from ole1 control
 Global Const OLE_CREATE_LINK = 1
 Global Const OLE_CREATE_FROM_FILE = 1 'from ole1 control
 Global Const OLE_COPY = 4
 Global Const OLE_PASTE = 5
 Global Const OLE_UPDATE = 6
 Global Const OLE_ACTIVATE = 7
 Global Const OLE_CLOSE = 9
 Global Const OLE_DELETE = 10
 Global Const OLE_SAVE_TO_FILE = 11
 Global Const OLE_READ_FROM_FILE = 12
 Global Const OLE_INSERT_OBJ_DLG = 14
 Global Const OLE_PASTE_SPECIAL_DLG = 15
 Global Const OLE_FETCH_VERBS = 17
 Global Const OLE_SAVE_TO_OLE1FILE = 18

'OLEType

Global Const OLE_LINKED = 0
 Global Const OLE_EMBEDDED = 1
 Global Const OLE_NONE = 3

'OLETypeAllowed

Global Const OLE_EITHER = 2

'UpdateOptions

Global Const OLE_AUTOMATIC = 0
 Global Const OLE_FROZEN = 1
 Global Const OLE_MANUAL = 2

'AutoActivate modes

'Note that OLE_ACTIVATE_GETFOCUS only applies to objects that support "inside-out" activation. See related Verb notes below.

Global Const OLE_ACTIVATE_MANUAL = 0
 Global Const OLE_ACTIVATE_GETFOCUS = 1
 Global Const OLE_ACTIVATE_DOUBLECLICK = 2

'SizeModes

Global Const OLE_SIZE_CLIP = 0
 Global Const OLE_SIZE_STRETCH = 1
 Global Const OLE_SIZE_AUTOSIZE = 2

'DisplayTypes

Global Const OLE_DISPLAY_CONTENT = 0
 Global Const OLE_DISPLAY_ICON = 1

'Update Event Constants

Global Const OLE_CHANGED = 0
 Global Const OLE_SAVED = 1
 Global Const OLE_CLOSED = 2

Global Const OLE_RENAMED = 3

'Special Verb Values

Global Const VERB_PRIMARY = 0

Global Const VERB_SHOW = -1

Global Const VERB_OPEN = -2

Global Const VERB_HIDE = -3

Global Const VERB_INPLACEUIACTIVATE = -4

Global Const VERB_INPLACEACTIVATE = -5

'The last two verbs are for objects that support "inside-out" activation, meaning they can be edited in-place, and that they support being left in-place-active even when the input focus moves to another control or form. These objects actually have 2 levels of being active. "InPlace Active" means that the object is ready for the user to click inside it and start working with it. "InPlace UI-Active" means that, in addition, if the object has any other UI associated with it, such as floating palette windows, that those windows are visible and ready for use. Any number of objects can be "InPlace Active" at a time, although only one can be "InPlace UI-Active".

'You can cause an object to move to either one of states programmatically by setting the Verb property to the appropriate verb and setting Action=OLE_ACTIVATE.

'Also, if you set AutoActivate = OLE_ACTIVATE_GETFOCUS, the server will automatically be put into "InPlace UI-Active" state when the user clicks on or tabs into the control.

'VerbFlag Bit Masks

Global Const VERBFLAG_GRAYED = &H1

Global Const VERBFLAG_DISABLED = &H2

Global Const VERBFLAG_CHECKED = &H8

Global Const VERBFLAG_SEPARATOR = &H800

'MiscFlag Bits - OR these together as desired for special behaviors

'MEMSTORAGE causes the control to use memory to store the object while it is loaded. This is faster than the default (disk-tempfile), but can consume a lot of memory for objects whose data takes up a lot of space, such as the bitmap for a paint program.

Global Const OLE_MISCFLAG_MEMSTORAGE = &H1

'DISABLEINPLACE overrides the control's default behavior of allowing in-place activation for objects that support it. If you are having problems activating an object in-place, you can force it to always activate in a separate window by setting this bit

Global Const OLE_MISCFLAG_DISABLEINPLACE = &H2

'Common Dialog Control

'Action Property

Global Const DLG_FILE_OPEN = 1

Global Const DLG_FILE_SAVE = 2

Global Const DLG_COLOR = 3

Global Const DLG_FONT = 4

Global Const DLG_PRINT = 5

Global Const DLG_HELP = 6

'File Open/Save Dialog Flags

Global Const OFN_READONLY = &H1&

Global Const OFN_OVERWRITEPROMPT = &H2&

Global Const OFN_HIDEREADONLY = &H4&

Global Const OFN_NOCHANGEDIR = &H8&

Global Const OFN_SHOWHELP = &H10&

Global Const OFN_NOVALIDATE = &H100&

Global Const OFN_ALLOWMULTISELECT = &H200&

Global Const OFN_EXTENSIONDIFFERENT = &H400&

Global Const OFN_PATHMUSTEXIST = &H800&

Global Const OFN_FILEMUSTEXIST = &H1000&

Global Const OFN_CREATEPROMPT = &H2000&

Global Const OFN_SHAREAWARE = &H4000&

Global Const OFN_NOREADONLYRETURN = &H8000&

'Color Dialog Flags

```
Global Const CC_RGBINIT = &H1&
Global Const CC_FULLOPEN = &H2&
Global Const CC_PREVENTFULLOPEN = &H4&
Global Const CC_SHOWHELP = &H8&
```

'Fonts Dialog Flags

```
Global Const CF_SCREENFONTS = &H1&
Global Const CF_PRINTERFONTS = &H2&
Global Const CF_BOTH = &H3&
Global Const CF_SHOWHELP = &H4&
Global Const CF_INITTOLOGFONTSTRUCT = &H40&
Global Const CF_USESTYLE = &H80&
Global Const CF_EFFECTS = &H100&
Global Const CF_APPLY = &H200&
Global Const CF_ANSIONLY = &H400&
Global Const CF_NOVECTORFONTS = &H800&
Global Const CF_NOSIMULATIONS = &H1000&
Global Const CF_LIMITSIZE = &H2000&
Global Const CF_FIXEDPITCHONLY = &H4000&
Global Const CF_WYSIWYG = &H8000&
Global Const CF_FORCEFONTEXIST = &H10000
Global Const CF_SCALABLEONLY = &H20000
Global Const CF_TTONLY = &H40000
Global Const CF_NOFACESEL = &H80000
Global Const CF_NOSTYLESEL = &H100000
Global Const CF_NOSIZESEL = &H200000
```

'must also have CF_SCREENFONTS & CF_PRINTERFONTS

'Printer Dialog Flags

```
Global Const PD_ALLPAGES = &H0&
Global Const PD_SELECTION = &H1&
Global Const PD_PAGENUMS = &H2&
Global Const PD_NOSELECTION = &H4&
Global Const PD_NOPAGENUMS = &H8&
Global Const PD_COLLATE = &H10&
Global Const PD_PRINTTOFILE = &H20&
Global Const PD_PRINTSETUP = &H40&
Global Const PD_NOWARNING = &H80&
Global Const PD_RETURNDC = &H100&
Global Const PD_RETURNIC = &H200&
Global Const PD_RETURNDEFAULT = &H400&
Global Const PD_SHOWHELP = &H800&
Global Const PD_USEDEVMODECOPIES = &H40000
Global Const PD_DISABLEPRINTTOFILE = &H80000
Global Const PD_HIDEPRINTTOFILE = &H100000
```

'Help Constants

```
Global Const HELP_CONTEXT = &H1      'Display topic in ulTopic
Global Const HELP_QUIT = &H2        'Terminate help
Global Const HELP_INDEX = &H3       'Display index
Global Const HELP_CONTENTS = &H3
Global Const HELP_HELPONHELP = &H4   'Display help on using help
Global Const HELP_SETINDEX = &H5     'Set the current Index for multi index help
Global Const HELP_SETCONTENTS = &H5
Global Const HELP_CONTEXTPOPUP = &H8
Global Const HELP_FORCEFILE = &H9
Global Const HELP_KEY = &H101        'Display topic for keyword in offabData
Global Const HELP_COMMAND = &H102
Global Const HELP_PARTIALKEY = &H105 'call the search engine in winhelp
```

'Error Constants

```
Global Const CDERR_DIALOGFAILURE = -32768
Global Const CDERR_GENERALCODES = &H7FFF
Global Const CDERR_STRUCTSIZE = &H7FFE
Global Const CDERR_INITIALIZATION = &H7FFD
Global Const CDERR_NOTEMPLATE = &H7FFC
Global Const CDERR_NOINSTANCE = &H7FFB
Global Const CDERR_LOADSTRFAILURE = &H7FFA
Global Const CDERR_FINDRESFAILURE = &H7FF9
Global Const CDERR_LOADRESFAILURE = &H7FF8
Global Const CDERR_LOCKRESFAILURE = &H7FF7
Global Const CDERR_MEMALLOCFailure = &H7FF6
Global Const CDERR_MEMLOCKFAILURE = &H7FF5
Global Const CDERR_NOHOOK = &H7FF4
```

'Added for CMDIALOG.VBX

Global Const CDERR_CANCEL = &H7FF3

Global Const CDERR_NODLL = &H7FF2

Global Const CDERR_ERRPROC = &H7FF1

Global Const CDERR_ALLOC = &H7FF0

Global Const CDERR_HELP = &H7FEF

Global Const PDERR_PRINTERCODES = &H6FFF

Global Const PDERR_SETUPFAILURE = &H6FFE

Global Const PDERR_PARSEFAILURE = &H6FFD

Global Const PDERR_RETDEFFAILURE = &H6FFC

Global Const PDERR_LOADDRVFAILURE = &H6FFB

Global Const PDERR_GETDEVMODEFAIL = &H6FFA

Global Const PDERR_INITFAILURE = &H6FF9

Global Const PDERR_NODEVICES = &H6FF8

Global Const PDERR_NODEFAULTPRN = &H6FF7

Global Const PDERR_DNDMMISMATCH = &H6FF6

Global Const PDERR_CREATEICFAILURE = &H6FF5

Global Const PDERR_PRINTERNOTFOUND = &H6FF4

Global Const CFERR_CHOOSEFONTCODES = &H5FFF

Global Const CFERR_NOFONTS = &H5FFE

Global Const FNERR_FILENAMECODES = &H4FFF

Global Const FNERR_SUBCLASSFAILURE = &H4FFE

Global Const FNERR_INVALIDFILENAME = &H4FFD

Global Const FNERR_BUFFERTOOSMALL = &H4FFC

Global Const FRERR_FINDREPLACECODES = &H3FFF

Global Const CCERR_CHOOSECOLORCODES = &H2FFF