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ENTERTAINICS

A Project
Presented to the
Faculty of
California State University,
San Bernardino

In Partial Fulfillment
of the Requirements for the Degree
Master of Science
in
Computer Science

by
Jesus Mario Torres Garza

December 2003

ENTERTAINICS

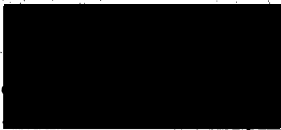
A Project
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Jesus Mario Torres Garza


December 2003

Approved by:




Dr. Ernesto Gómez, Chair, Computer
Science

10/21/03
Date



Dr. Richard Botting



Dr. Kerstin Voigt

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ABSTRACT

ENTERTAINICS is a web-based software application to gather information about DVD players from several web-sites on the Internet. The purpose of this software is to help users on the search for DVD players in a faster and easy way, by avoiding the navigation on every web-site that contains this products.

ENTERTAINICS also provides email service for users interested in receive information about the most recent DVD additions. Another feature is the existence of a section containing links to the different web-sites in charge to sell DVD players. This is with the purpose of provide users with a faster access to the web-sites instead of using a search engine and type the stores keywords to get the access.

ENTERTAINICS has been implemented in PHP, MySQL database, and Apache Web Server on Windows system, and provides cross-platform and extensibility for any future development.

By using ENTERTAINICS, users will be able to find information about DVD players in a faster and easy way, and they also have the advantage of compare the different prices of a specific kind of DVD player in the several stores where it is available.

ACKNOWLEDGMENTS

The support of the National Science Foundation under award 9810708 is gratefully acknowledged.

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CHAPTER ONE

SOFTWARE REQUIREMENTS SPECIFICATION

1.1 Introduction

Searching for a product over the Internet is an easy way to avoid going from one place to another all around the city and helps people to find out which places have those products. That is why search engines exist.

With this software application users can have access to information from many places on the Internet to find all the information they are looking for.

The purpose of ENTERTAINICS is to help users to find DVD players by storing information collected from web-sites where this products can be found without the need of execute an extensive navigation over the Internet, which usually takes a lot of time depending of the traffic on the net as well as the speed of the Internet connection users could have.

ENTERTAINICS provides available information about DVD systems and stores collected from several commercial sites, and it is contained in a database made to store such information for users looking for a DVD player. ENTERTAINICS contains different options for the users to select a specific DVD player, this is to define the search

by indicating what type of DVD player they want and which brand or brands as well as from which store they prefer. They also have the option of defining the search according to a specific price. With this features the users will have the advantage of verifying where a DVD player is on sale and at which place it could be acquired, as well as to check in which one of these available stores the price is the best. Once the DVD player is been located and selected, there is a feature where the users can go to the store where such DVD player is available to buy.

For all those users who need a DVD player but do not have too much knowledge about how to select one, there is a place on ENTERTAINICS where they can read about several features and characteristics on a DVD player to help decide which one is the best DVD player they need.

Users also will have the advantage of input they personal data on the database to receive information via email from the Administrator every certain period of time regarding the newest DVD players added or in special sale. With this feature they get notified by the administrator about special deals and take advantage of it, even when they do not have enough time to check on the site every day.

1.2 Product Overview Summary

ENTERTAINICS software application is designed to store information from several web sites in a single database. This information about DVD players is found by the staff in charge of add, update, revise and delete such information with the help of links provided by ENTERTAINICS.

The objective of this project is to create an application capable to store information about DVD players in its own database with the purpose of show it later on to the users interested in buy a specific DVD player. Users will have access to ENTERTAINICS via Internet by using a web browser like Internet Explorer, Netscape or another one available for them to navigate on the net. The interface used as a communication bridge between users and server is PHP, which help to select and display information for users on the web site. To input information to the database from Internet, there are HTML forms in combination with PHP to perform this tasks like adding DVD players, Stores information, and users.

The web server used for ENTERTAINICS is Apache, which is being executed on a Windows environment system for the posting of the PHP pages.

1.2.1 Perspective of Administrator

The ENTERTAINICS formal Administrator will be able to add information to the database regarding DVD players, stores, and users. Another options for the Administrator are update, read and delete information. These options are essential for the database maintenance. The administrator has also the option of run a query to get all the email addresses from the user's information to send them emails with new additions and offers on DVD players.

1.2.2 Perspective of User

The available options for users visiting ENTERTAINICS are the search for a DVD player, add email address to receive information about special offers and new additions, information about how to select a DVD players and consideration to take care about before select one, and a page with links to different web-sites where a DVD player can be acquired.

All the information above is located in one single main menu available for the users, and it contains these features available as links.

Users can define a search of DVD players by specifying what kind of DVD player they want, and select an specific brand(s) as well as from which store(s) they

prefer to buy. The price is also an option to be selected for those users trying to save money.

The link related to DVD player information is a text guide that helps users to get more information about what characteristics and different features they shall consider before buying a DVD player.

The user information option is where users have the advantage of add an email address to receive information regarding the new additions and offers to the database that can be found for sale at the corresponding stores shown in our database.

The last feature for users is the one containing links to each one of the stores that sell DVD players. Users can go to the preferred store and come back to the links page to select another store to visit. The purpose of this option is to help users navigate faster instead of using a regular search engine to find each one of the stores available.

1.3 Technologies

1.3.1 Hypertext Preprocessor (PHP)

PHP is a scripting language designed for Web development that support programming in C language. This makes PHP an easy tool for those with basic programming

skills. PHP can interact with HTML in web pages designing and has the advantage of connection to databases.

PHP is highly focused on the server-side scripting. With this feature it is easy for a programmer to work with PHP as CGI would do it. This means, you can get information from forms on the Internet, generate a dynamic page content as well as receive or send cookies.

There are many fields where PHP is used, and here are listed three of the main ones:

- SERVER-SIDE SCRIPTING. This is considered the main one and works by using a PHP parser like a server module, a web server and an Internet browser. The browser will help to see the PHP page with the server's help.
- COMMAND LINE-SCRIPTING. It is possible to run PHP without a web server and browser. This is by running the PHP parser. This way to run PHP is for scripts executed with CRON for Linux, or Task Scheduler for Windows.
- CLIENT-SIDE GUI APPLICATIONS. Writing GUI applications is another feature that can be done in PHP. This can be done with the help of PHP functions as well as advanced server-side applications.

PHP offers freedom to programmers by letting them choose the best operating system and web server to work with. Programmers also have the advantage of decide if they want an object oriented programming or a procedural one.

PHP can be executed in most of operating systems like Windows, Linux, RICS OS, Mac OS and many more. PHP also supports many of the Web servers, some of this are apache, OmniHTTPd, Netscape servers, Pro server, etc.

HTML has not limit as an output in PHP. Some other supported files are PDF, flash files, images, and text documents like XHTML and XML, which can be generated by the same PHP application.

One of the strongest feature of PHP is its support for databases such as MySQL (the one used for ENTERTAINICS) and Oracle just for mention few of them. PHP also supports protocols like HTTP, POP3, SNMP, COM on Windows and more.

1.3.2 Server-side Processing

Server-side processing is the responsible for communication between Internet browser and server and it has several advantages for client-side technologies. One is the improvement of network traffic by reducing to the minimal the communication between web browser and server.

Another advantage is the quick download of pages, HTML in this case. The browser-compatibility problems can be avoided and provides the client with information not resident at the client. Also, information can be coded in a way impossible for the client to read it.

1.4 Development, Operating, and Maintenance Environment

1.4.1 Development Environment

The next hardware and software have been used for ENTERTAINICS development. A regular web browser like Internet or Netscape can be used to access this software application.

1. Hardware

- a. 4 GB hard disk
- b. 200 Mhz Pentium processor
- c. 256 MB RAM
- d. 3½" floppy disk
- e. 100 MB removable disk
- f. 8X IDE CD-ROM drive
- g. 17" SVGA monitor
- h. 104 Standard Keyboard
- i. MS Compatible mouse

2. Software

- a. Windows 2000

- b. Apache web server 1.3
- c. PHP 4.3.1 engine
- d. MySQL database 3.23.55

3. Languages

- a. PHP 4.3.1
- b. HTML
- c. C Language

1.4.2 Operating Environment

ENTERTAINICS shall operate with the environment mentioned above at section 1.4.1

1.4.3. Maintenance Environment

The maintenance of ENTERTAINICS should be done in the environment mentioned at section 1.4.1.

1.5 Graphical User Interface (GUI)

ENTERTAINICS GUI provides to users an easy way to locate DVD players and find a close store from their home addresses. The GUI also helps users to find details about DVD players, and learn about special offers and new DVD players via e-mail.

1.5.1 General Layout

ENTERTAINICS has two different main menus, one for users and the other one for the Administrator, The two of them are contained in a Main Menu (Figure 1).

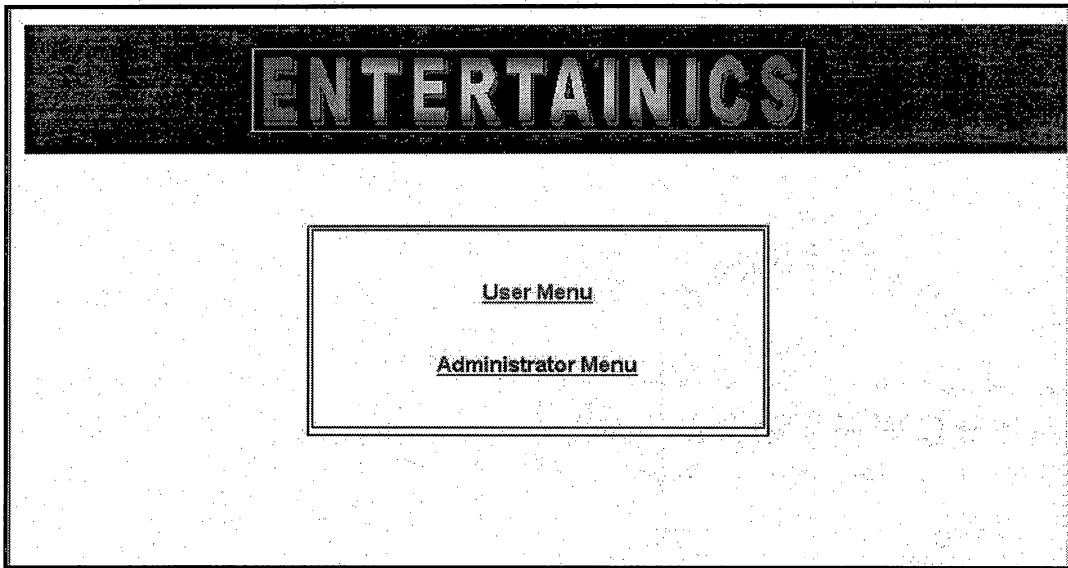


Figure 1. Main Menu

The first User Menu (Figure 2) contains four options for the users, which are "DVD's Information", "DVD Search", "Register", and "Link to Stores", each one with different functions and services.

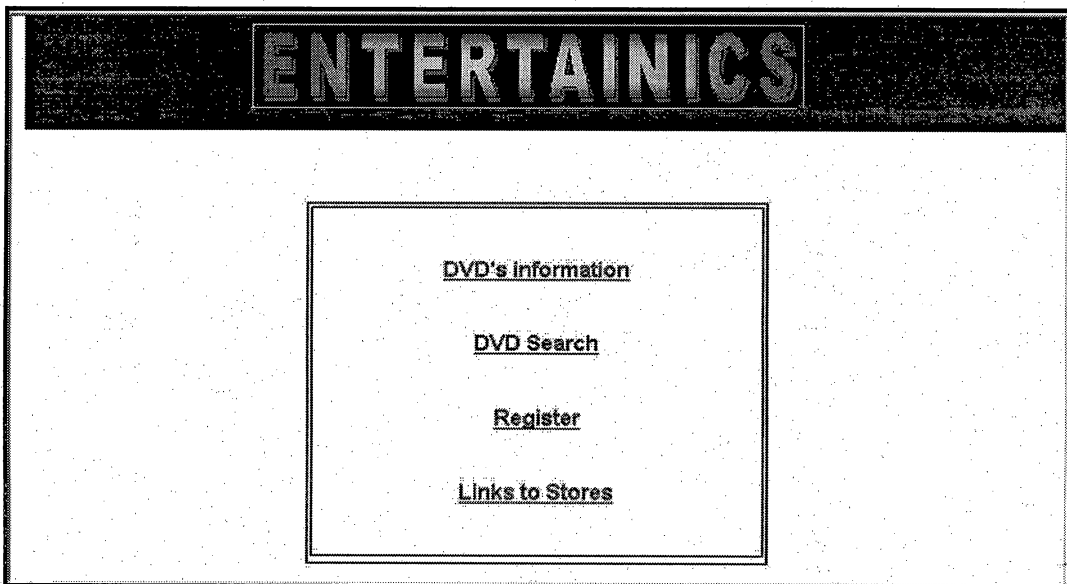


Figure 2. User's Menu

All these options are hyperlinks to different pages where users will review, execute or transport to another site.

Table 1. User Inputs and Corresponding Actions

User Input	Result
Click on DVD's Information	Display Informational Page
Click on DVD Search	Display query search page
Click on Register	Display Input form page
Click on Link to Stores	Display Hyperlinks Page

1.5.2 DVD Players Information

DVD players information is a helpful option for those who need a DVD player but don't have a clear idea of which

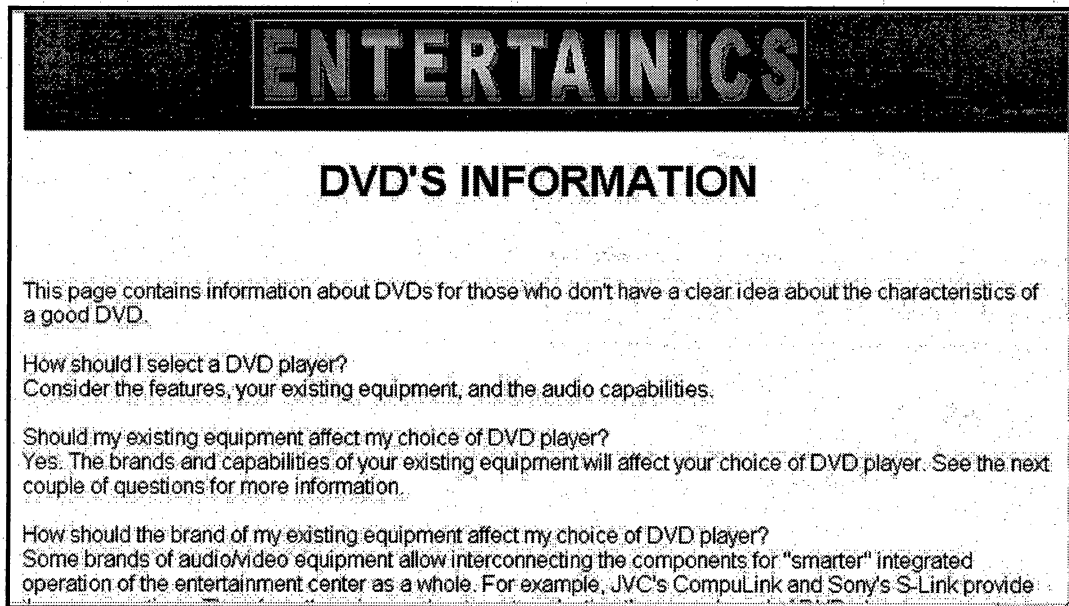


Figure 3. DVD Players Information

DVD or what model is the best for them. This page displays text information regarding the points to be considered at the time to buy a DVD player (Figure 3).

1.5.3 DVD Search

DVD Search option offers the chance to find a specific kind of DVD at the Database, and there are the options to choose from which store they prefer to search and how much money they are allowed to pay for a DVD Search (Figure 4).

ENTERTAINICS

SELECT DVD TYPE: All, Home, Portable

SELECT BRAND: All, Sony, Panasonic, JVC

SELECT STORE: All, Circuit City, Best Buy, Sears

SELECT PRICE: All, 0-100, 101-500, 501-more

Search

Figure 4. User Search

A description of each option is shown below:

Table 2. Users Search

Option	Description
Select DVD Type	Select the type(s) of DVD to search for
Select Brand	Select specific brand(s) for a DVD
Select Store	Select store(s) selling a DVD Player
Select Price	Select specific price(s) for DVD
Search	Executes query to find DVDs

Once the total selection is made and "Search" button has been pushed, a results page is displayed with information about the DVD or DVDs found in the database. This information is displayed in three parts, 1) DVD Main information, 2) Technical Information, and 3) Stores with the corresponding price. An additional row with the number of records displayed is shown to the users (Figure 5).

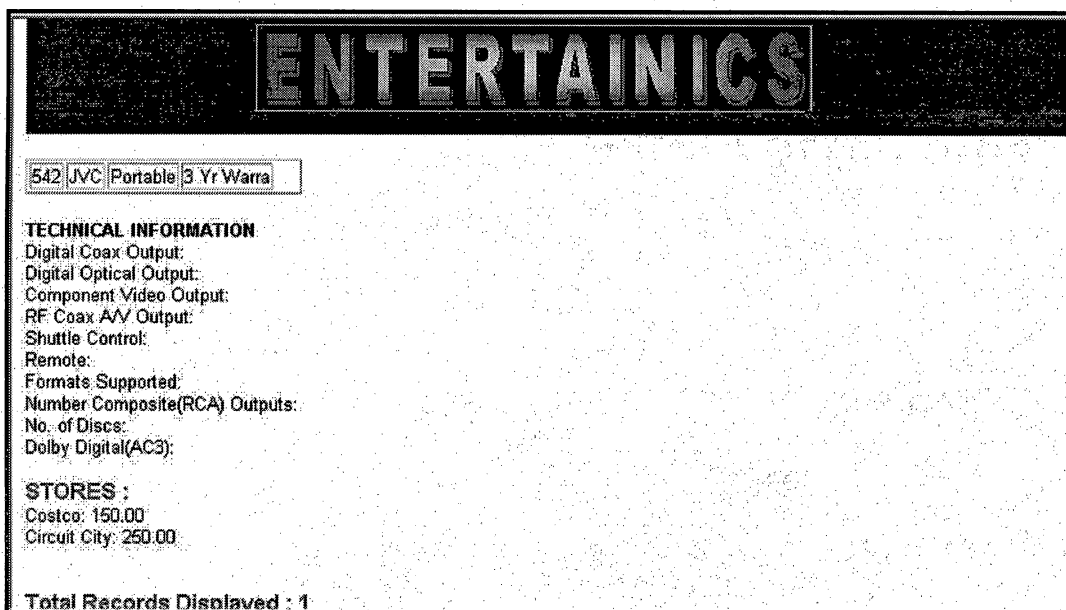
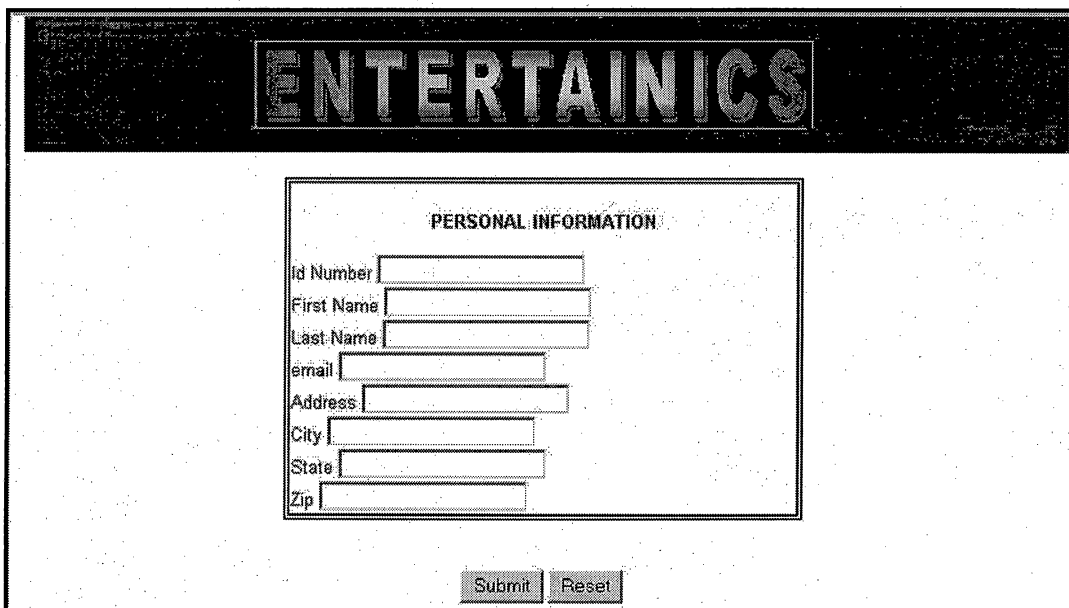


Figure 5. DVD Search Results

1.5.4 Register

An input form to introduce information is displayed in the Register Form. This option is for the users interested in load their information into the database to receive e-mails with the newest DVDs added to the Database and/or specials found at an specific store(s) (Figure 6).



The image shows a web browser window with the title "ENTERTAINICS" in a large, stylized font at the top. Below the title is a registration form titled "PERSONAL INFORMATION". The form contains the following fields: "Id Number", "First Name", "Last Name", "email", "Address", "City", "State", and "Zip". Each field is represented by a text input box. At the bottom of the form are two buttons: "Submit" and "Reset".

Figure 6. Register

The description of each field is described in the next table:

Table 3. Register

Option	Description
First Name	User First Name
Last Name	User Last Name
Email	Email address to send information
Address	Street and apartment number
City	City
State	User's State
Zip	Zip Code of Area
Submit	Add information to database
Reset	Clear form Information

After introducing the information a notice of success will be displayed for the user.

1.5.5 Link to Stores

The Links to Stores option is for those users interested in visiting a specific store(s) to buy or review in more detail a desired DVD Player. Depending of the link chosen, the user will be taken to the site. The name of each link is the name of the site where it goes (Figure 7).

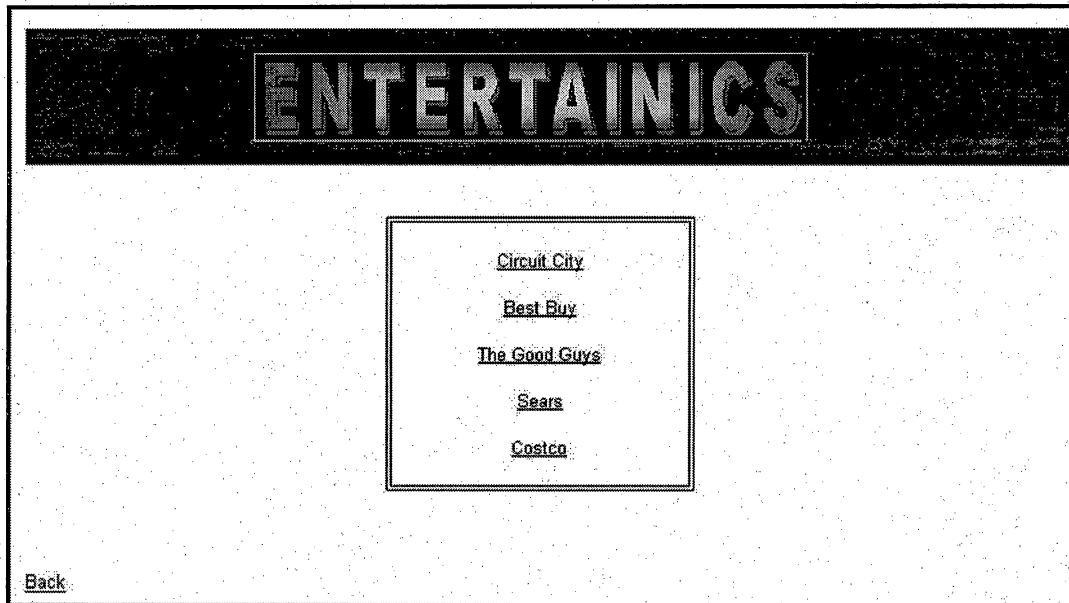


Figure 7. Links to Stores

Table 4. Links to Stores

Hyperlink	URL
Circuit City	http://www.circuitcity.com/
Best Buy	http://www.bestbuy.com/
The Good Guys	http://www.thegoodguys.com/
Sears	http://www.sears.com/
Costco	http://www.costco.com/

1.5.6 Administrator's Menu

The Main menu for Administrator contains the next options "DVDs", "Stores", "Users", "DVD-Stores", and "Search" (Figure 8).

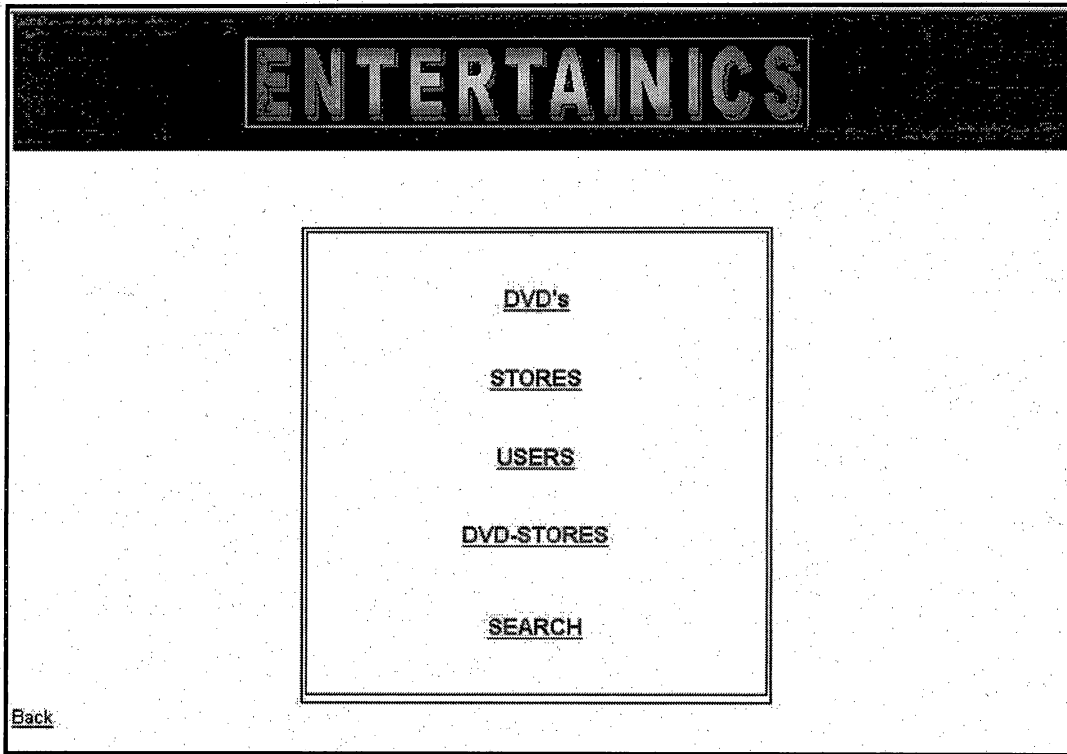


Figure 8. Administrator's Menu

These are the options for Administrators:

Table 5. Administrator Inputs and Corresponding Actions

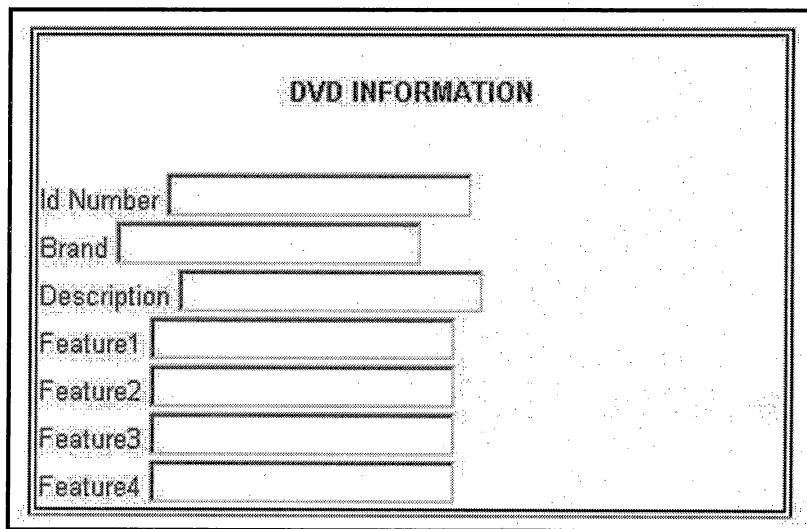
Administrator Input	Result
Click on DVDs	Display Input and menu Page
Click on Stores	Display Input and menu Page
Click on Users	Display Input and menu Page
Click on DVD-Stores	Display Input and menu Page
Click on Search	Display Hyperlinks Page

1.5.7 DVD Players

The DVD page is an option where the Administrator can add, modify, delete, or display the DVDs from the database.

The DVD option has three sections, 1) DVD Information, 2) Technical Information, and 3) Operation (Figure 8).

DVD Information. This section to input the main DVD information and the fields to fill up are these (Figure 9):



The image shows a screenshot of a form titled "DVD INFORMATION". The form contains seven input fields, each with a label to its left. The labels are "Id Number", "Brand", "Description", "Feature1", "Feature2", "Feature3", and "Feature4". Each label is followed by a rectangular input box. The form is enclosed in a double-line border.

Figure 9. DVD Player Information

Table 6. DVD Information

Field Name	Description
Id Number	Identification ID for DVD
Brand	Manufacturing Company
Description	Characteristic
Feature1	Special Function
Feature2	Special Function
Feature3	Special Function
Feature4	Special Function

Technical Information. This section is to input information regarding the technical features of the DVD (Figure 10).

TECHNICAL INFORMATION:

Progressive Scan DVD Player(Y/N)

Digital Coax Output(Y/N)

Digital Optical Output(Y/N)

Component Video Output(Y/N)

RF Coax A/V Output(Y/N)

Shuttle Control(Y/N)

Remote

Formats Supported

Number Composite(RCA) Outputs

No. of Discs

Dolby Digital(AC3) Decoding Built In?(Y/N)

Figure 10. DVD Technical Information

Table 7. DVD Technical Information

Field Name	Description
Progressive Scan DVD Player (Y/N)	Special feature to scan song to play
Digital Coax Output (Y/N)	Function to output digital sign
Digital Optical Output (Y/N)	Function to output digital sign to video
Component Video Output (Y/N)	Video feature
RF Coax A/V Output (Y/N)	Output device
Shuttle Control (Y/N)	Kind of control contained
Remote	Kind of Remote Control
Formats Supported	Formats available to play
Number Composite (RCA) Outputs	Output contained
No. of Discs	Number of CDs to input
Dolby Digital (AC3) Decoding Built In? (Y/N)	Sound feature contained?

Operation. This part of the page is where the operation to perform on the database is chosen. The query to execute over the database depends of the selection made in this section (Figure 11).

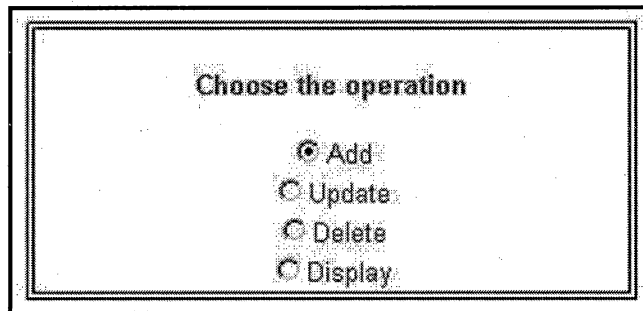


Figure 11. Operation to Perform

Table 8. Operation

Field Name	Description
Add	Add information
Update	Modify information
Delete	Remove information
Display	Show information

Once the information and operation selection have been made, there is necessary to select the "Submit" button to execute the instruction or "Reset" to clear the information (Figure 12).



Figure 12. Submit

1.5.8 Stores

The option Stores is for the Administrator to perform the maintenance of the Stores table. This page is divided in two sections, 1) Store Information, and 2) Operation (See Figure 11 and Figure 12).

Store information. This Section has the purpose of input information about a store (Figure 13).

STORE INFORMATION

Id Number

Name

Address

City

State

Zip

Figure 13. Store Information

Table 9. Store Information

Field Name	Description
ID Number	Identification ID for store
Name	Name of the store
Address	Street where store is at
City	City where store is at
State	State
Zip	Zip Code

1.5.9 Users Information

This option is where the Administrator is able to add new users as well as staff to manage the database. This option is divided by two sections: 1) User Information, and 2) Operation (See Figure 11 and Figure 12).

User Information. This Section is to input the information about users and staff, and has the option for

the Administrator to decide what kind of user is added, this means, customer or staff (Figure 14).

USER'S INFORMATION

Id Number

First Name

Last Name

email

user

password

Address

City

State

Zip

User Type

Figure 14. User Information

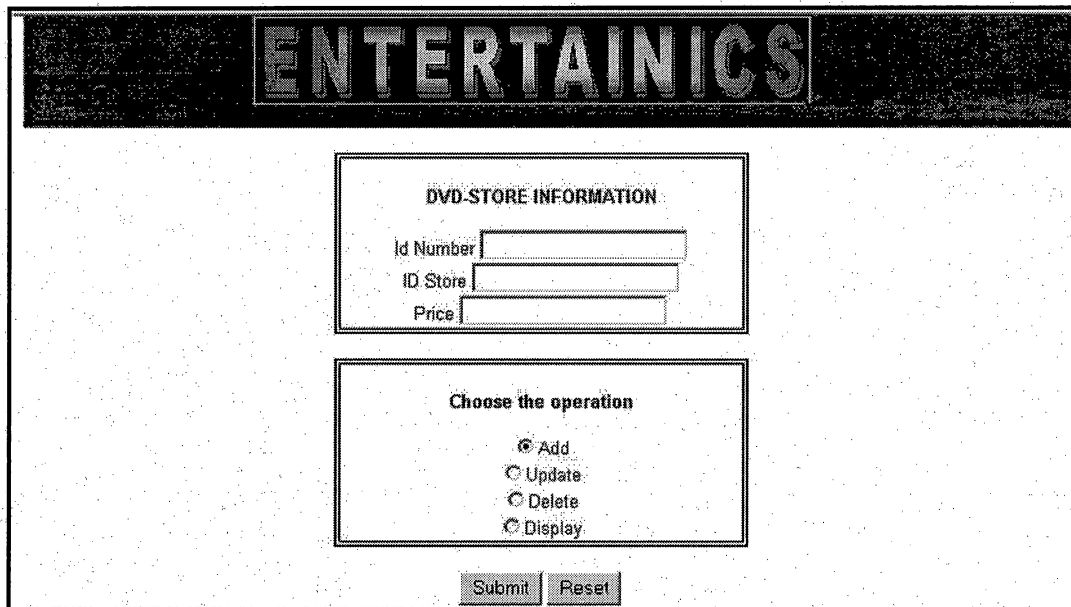
Table 10. User Information

Option	Description
First Name	User First Name
Last Name	User Last Name
Email	Email address to send information
Address	Street and apartment number
City	City
State	User's State
Zip	Zip Code of Area
User Type	Customer or Staff

1.5.10 DVD-stores

This option is to establish the relation between a DVD and all the stores where it is available. There are two sections for this page and they are: 1) DVD-Store Information, and 2) Operation (See Figure 11 and Figure 12).

DVD-Store. This section is to add the information about the DVD and stores (Figure 15).



The screenshot shows a web interface for 'ENTERTAINICS'. At the top, the word 'ENTERTAINICS' is displayed in a large, stylized font. Below this, there are two main sections. The first section is titled 'DVD-STORE INFORMATION' and contains three input fields: 'Id Number', 'ID Store', and 'Price'. The second section is titled 'Choose the operation' and contains four radio button options: 'Add', 'Update', 'Delete', and 'Display'. At the bottom of the form, there are two buttons: 'Submit' and 'Reset'.

Figure 15. DVD-Store

Table 11. DVD-store

Option	Description
Id Number	DVD identification number
ID Store	Store identification number
Price	DVD price at the store

1.5.11 Search

This section is to allow the user to go to the added stores to search for new DVDs and offers. This page has a list of the stores, and the way to navigate is to select the specific store and click on "Submit" to automatically go to the DVDs Section of such store (Figure 16).

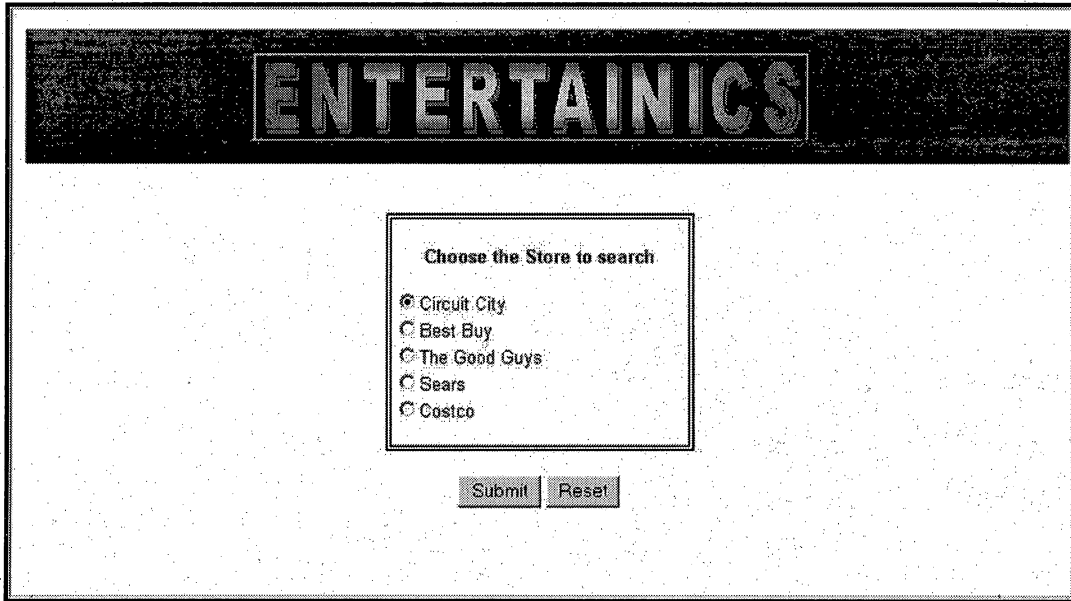


Figure 16. Search Stores

1.6 Functional Requirements

1.6.1 Overall Schema

This Section contains the operational structures and requirements needed by ENTERTAINICS to operate correctly.

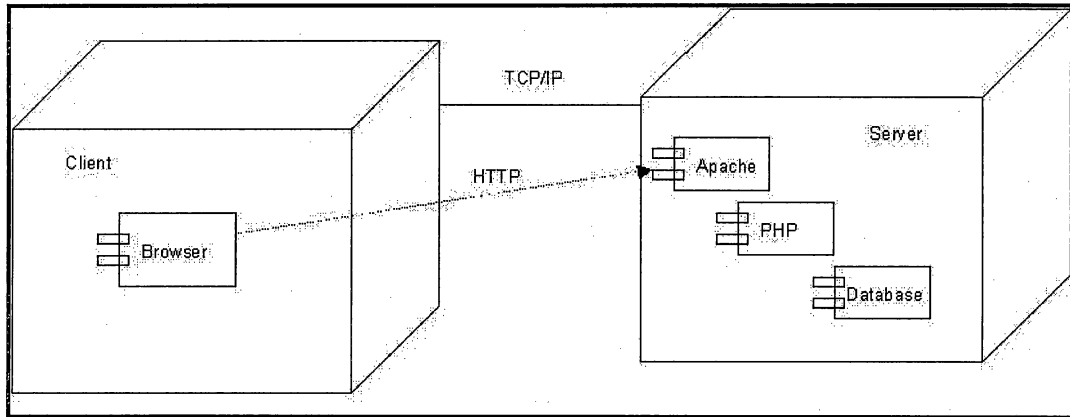


Figure 17. Overall Schema

1.6.2 Functions Schema

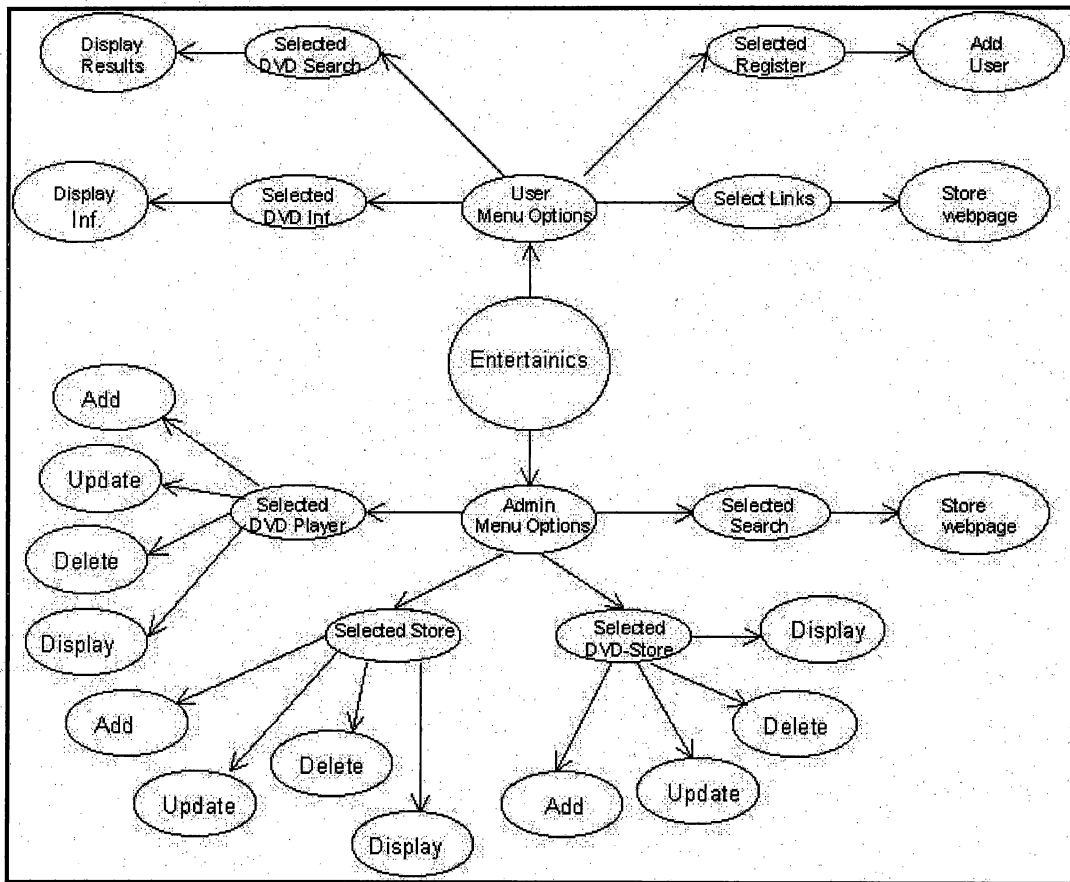


Figure 18. Functions Schema

1.6.3 Directory Structure

The file and directory structure are shown next:

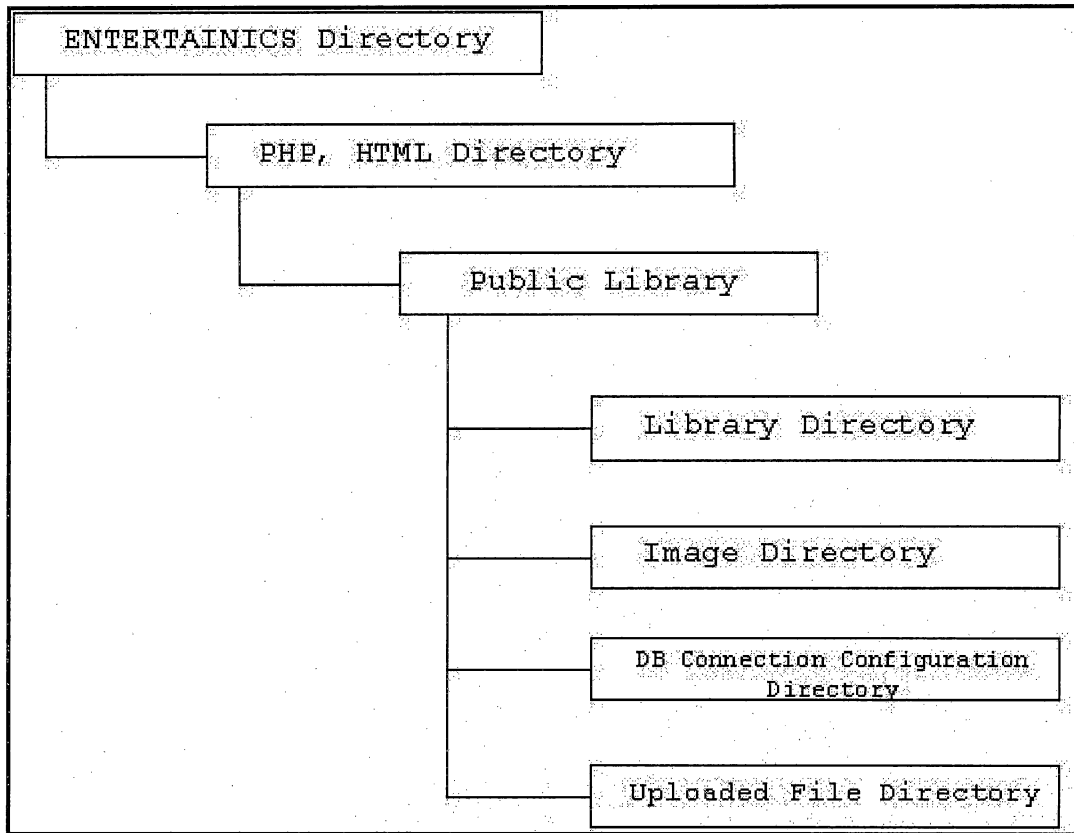


Figure 19. Directory Structure

1.6.4 Database Design

The database design structure is shown below.

1.6.4.1 Entity Relationship Diagram.

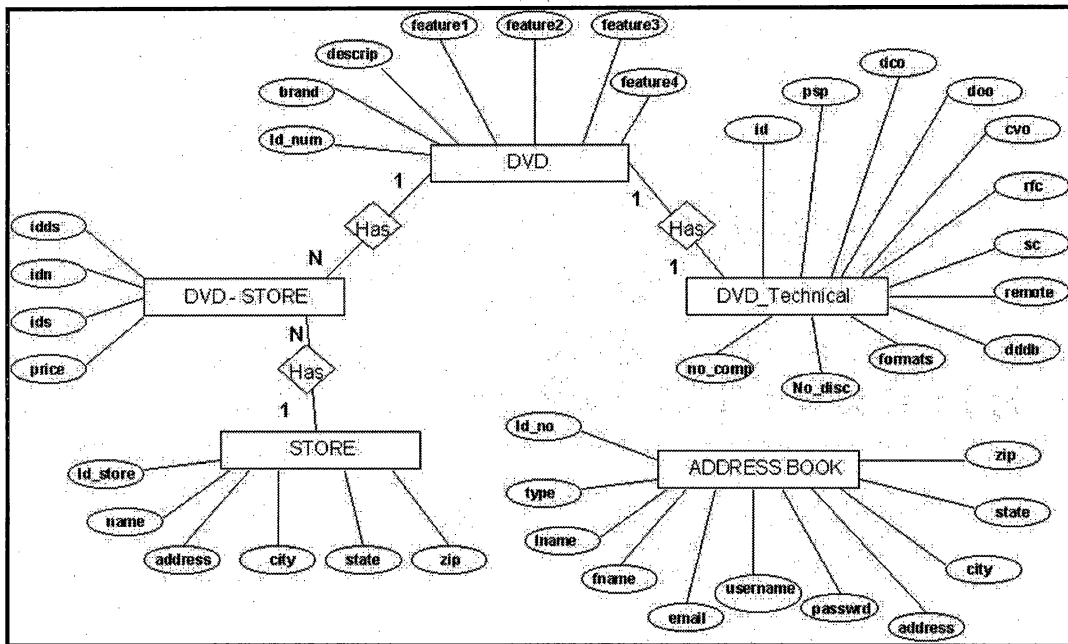


Figure 20. Entity Relation Diagram

1.6.4.2 Logical Model Table Schema. The tables used on ENTERTAINICS are shown in this section:

Table 12. DVD Table

FIELD	DESCRIPTION
id_number	DVD ID generated by DB (number)
Brand	DVD player brand (text)
Description	Specific type of DVD player (text)
Feature1	Special feature 1
Feature2	Special feature 2
Feature3	Special feature 3
Feature4	Special feature 4

Table 13. Database Table: DVD

Id_number	Brand	Description	Feature1	Feature2	Feature3	Feature4
1	Sony	Home	1 Yr Wty	Black	THX	Snapshot
2	JVC	Portable	2 Yr Wty	2 CD Rec	Multi-lingual	Gray

Table 14. DVD_TECHNICAL Table

FIELD	DESCRIPTION
ID	ID (number)
PSP	Progressive Scan DVD Player (char)
DCO	Digital Coax Output (char)
DOO	Digital Optical Output (char)
CVO	Component Video Output (char)
RFC	RF Coax A/V Output (char)
SC	Shuttle Control (char)
Remote	Type of remote included (text)
Formats	Formats supported by DVD (text)
No_composite	Number of outputs (number)
No_disc	Number of discs (number)
Dddb	Dolby Digital (AC3) Decoding Built In? (char)

Table 15. Database Table: DVD_Technical

Id	psp	dco	doo	Cvo	Rfc	Sc	Remote	Formats	No composite	No-Disc	ddb
1	Y	N	Y	N	Y	Y	Std	cd-wr	3	5	N
2	N	Y	N	N	Y	Y	Std	cd-r	2	1	Y

Table 16. STORES Table

FIELD	DESCRIPTION
ID_Store	ID generated by DB (number)
Name	Store's name (text)
Address	Street (text)
City	City or Location (text)
State	State (text)
Zip	Zip Code (number)

Table 17. Database Table: Stores

Id_Store	Name	Address	City	State	Zip
1	Circuit City	1245 E St	San Bernardino	CA	92407
2	Best Buy	45123 Kendall Dr	San Bernardino	CA	92407

Table 18. DVD_STORES Table

FIELD	DESCRIPTION
IDDS	ID generated by DB (number)
Idn	DVD ID (number)
Ids	Store ID (number)
Price	DVD price at specific store (number)

Table 19. Database Table: DVD_Stores

Idds	Idn	Ids	Price
1	23	1	250.00
2	45	2	345.45

Table 20. Address Book (AB) Table

FIELD	DESCRIPTION
ID_no	ID generated by DB (number)
Type	Type of user (char)
LName	User last name (text)
Fname	User first name (text)
Email	User's email(text)
User	Username(text)
Password	User's password (text)
Address	Street (text)
City	City or Location (text)
State	State (text)
Zip	Zip Code (number)

Table 21. Database Table: AB

Id_no	Type	Lname	Fname	Email	User	Password	Address	City	State	Zip
25	S	Mario	Garza	m@hotmail.com	Mgarza	Csusb	45 kendall	SB	CA	92407
35	C	John	Lee	jl@aol.com	Jlee	Lee	14 2nd St	SB	CA	92407

1.6.4.3 SQL Commands. The SQL commands used to manipulate the database are this:

Table 22. Commands

COMMAND	EXAMPLE
CREATE DATABASE	CREATE DATABASE db
CREATE TABLE	CREATE TABLE table (column1 DATATYPE, column2 DATATYPE.)
SELECT	SELECT COLUMN(S) FROM table WHERE COLUMN = 'value'
INSERT	INSERT INTO table VALUES (value1,value2,...,valueN)
DELETE	DELETE FROM table WHERE COLUMN = 'value'
UPDATE	UPDATE table SET column1 = 'value1',..., column = 'valueN'
ALTER	ALTER TABLE table ADD column column-specification
RENAME	RENAME TABLE old_table TO new_table

1.7 Performance Requirements

1.7.1 Reliability

Simple design and standard components make the system reliable. Extensive tests that included every single feature available at the system were performed to verify the functionality.

1.7.2 Efficiency

The efficiency of ENTERTAINICS has been optimized with short and simple programs that help to open them faster. It is good to mention that a fast computer will increment even more the speed of this software application.

1.7.3 Testability

Each one of the requirements was identified and tested in the final product.

1.8 Exception Handling

Error messages, product of the system's validation are displayed on the browser when a step is missing or the information introduced is wrong. ENTERTAINICS offers to correct them by the same user in order to continue using the system.

1.9 Conclusion

The Internet is a useful and important tool for consumers today, however even when it is fast, sometimes people spend a lot of time trying to search for a product all over the sites where it is offered for sale, and there are times when users don't know such product is offered at another store with a better price. This is the reason that explains the creation of ENTERTAINICS, to help consumers find a DVD player and compare the price at different stores without looking separately at each one of them.

ENTERTAINICS was designed to save time and money by comparing prices. This software application offers several functions, which are easy to maintain and help also to make easy system maintenance. The features of ENTERTAINICS are accessible from anywhere where there is an available Internet terminal.

By gathering information about DVD players and stores, ENTERTAINICS provides a fast and efficient way to search for a DVD player and locate it at the closer store at the best price. It uses several web tools like HTML and PHP forms to access information as well as a friendly GUI to display some kind of graphics to the user. ENTERTAINICS includes some other functionalities already seen in the most websites.

The result is a web-based system that stores information inside a database, which is a very helpful tool to display information for consumers with the purpose of informing them about the best DVD player's deals. It is expected to help users save time by getting information from several websites in one. For additional details about a DVD player, users have available links to the stores without the need of a typical search engine. Users can also submit an email address to receive information about the new DVD players added.

1.10 Proposed Future Development

1. Customers will be able to buy DVD players through ENTERTAINICS in the future.
2. ENTERTAINICS shall be able to update itself by running an automatic process.

3. ENTERTAINICS shall sort the information stored on the database for display and administration purposes.
4. ENTERTAINICS shall be able to get the name of the stores from the database to display it in the DVD player search.

1.11 Acceptance Criteria

1.11.1 Test Acceptance Criteria

The final product has met all the requirements stated in this document (Section 1.6 and Section 1.7). It was tested in conformance with the following test criteria.

1.11.2 Unit Testing

The Unit testing has been focused on the verification effort of the smallest unit of ENTERTAINICS. The results are displayed in the next table.

Table 23. Unit Tested

Unit Tested	Test Performed	X
DVD Information	Tested for displayed text.	X
DVD Search	Select different display options.	X
Register	Add customer information to DB.	X
Links	Select each link and go to different sites.	X
DVD	Add, update, delete and display DVDs. System validation tested.	X
Stores	Add, update, delete and display stores. System validation tested.	X
Users	Add, update, delete and display users. System validation tested.	X
DVD-Stores	Add, update, delete and display DVD-Stores. System validation tested.	X
Links	Hyperlinks tested.	X

1.11.3 Integration Testing

The integration test was done testing each one of the links connecting all the pages. The results are shown below.

Table 24. Integration Tested

Role	User Input	Desired Output	X
Customer	Click on DVD Information	Display Information page	X
Customer	Click on Find DVD	Display DVD search page.	X
Customer	Click Register	Display input form	X
Customer	Click Links	Display links page	X
Customer	Click DVD	Display DVD page	X
Administrator	Click Stores	Display stores page	X
Administrator	Click DVD-Stores	Display DVD-Stores page	X
Administrator	Click Links	Display links page	X

1.11.4 System Testing

This section shows the results of testing as Administrator.

Table 25. System Tested

Unit Tested	Test Performed	X
Access Database system	Access to DB system tested	X
System Error	Exception handling tested	X

1.12 Glossary of Terms

DVD:

Digital Video Disc created to store information.

HTML:

Hypertext Markup Language to display information on the Internet.

PHP:

Server-side language to access a database, and interacts with HTML for Internet information.

APACHE:

A HTTP server that works on Windows, Unix, and other platforms. Apache was created in 1995, and its design was based on code and ideas found in the most popular HTTP server of the time. Apache is one of the most popular HTTP server on the Internet.

Cross-Platform:

Term to describe a language, software application
that operates in several platforms.

GUI:

Graphical User Interface.

CGI:

Computer Graphic Information.

CHAPTER TWO
DETAILED DESIGN

This chapter will show the refinements of the architecture of ENTERTAINICS. A description of each function that integrates ENTERTAINICS will be described with its respective pseudo code.

PROCESS NAME: Access

FUNCTION: Restrict access to Administration Menu

BEGIN

READ variables FROM access_menu.html

CONNECT to Database

READ file

LOOP until file finish

 IF username and password exist THEN call main.html

 ELSE PRINT "User not Authorized"

END OF PROGRAM

PROCESS NAME: DVD Action

FUNCTION: Find DVD players for customers

BEGIN

READ variables from find_dvd.php

CONNECT to database

```

IF DVD_TYPE selected form webpage is 'All' THEN
    LOOP READ brand selected from webpage
        IF brand = 'All' THEN READ all records from DVD table
            CALL function BRAND
        ELSE READ specific records of a brand from DVD table
            CALL function BRAND
    END LOOP
ELSE
    LOOP READ brand selected from webpage
        IF brand = 'All' THEN read records from DVD table of
            specific type
            CALL function brand
        ELSE READ records from DVD table of specific type and
            brand
            CALL function brand
    END LOOP
IF any record was read THEN PRINT "Not Records Found"
ELSE PRINT "Total Records Found"

FUNCTION BRAND BEGIN
LOOP1 READ records from DVD table
LOOP2 READ selected stores from Webpage UNTIL end
    IF STORES selected is 'All' THEN
        LOOP3 READ price from webpage

```

```
IF price is "All" THEN
  READ specific records from dvd-stores
  CALL function stores
ELSE price is 0-100 THEN
  READ specific records from dvd-stores with price-
  between 0 and 100
  CALL function stores
ELSE price is 100-500 or more THEN
  READ specific records from dvd-stores with price-
  between 100 and 500
  CALL function stores
ELSE price is 100-500 THEN
  READ specific records from dvd-stores with price-
  bigger than 500
  CALL function stores
END LOOP3
```

```
ELSE READ records from stores table with specific store
LOOP4 READ price from webpage
  IF price is "All" THEN
    READ specific records from dvd-stores from specific-
    STORES
    CALL function stores
  ELSE price is 0-100 THEN
```

```

    READ specific records from dvd-stores from specific-
    STORES and price between 0 and 100

    CALL function stores

ELSE price is 100-500 or more THEN

    READ specific records from dvd-stores from specific-
    STORES and price between 100 and 500

    CALL function stores

ELSE price is 100-500 THEN

    READ specific records from dvd-stores from specific-
    STORES and price bigger than 500

    CALL function stores

END LOOP4

END LOOP2

END LOOP1

END FUNCTION BRAND

FUNCTION STORES BEGIN

    READ records selected in BRAND function

    READ technical information of record from DVD_TECHNICAL

    PRINT dvd information

    PRINT technical information of dvd

```

```

LOOP READ records from DVD_STORES from dvd already
printed
    PRINT stores
END LOOP
END FUNCTION STORES
END OF PROGRAM

PROCESS NAME: Store Action
FUNCTION: Process to maintain Stores table
BEGIN
READ variables from "store_menu.html"
CONNECT to database
IF operation selected is "Add"
    READ records from stores table
    COUNT number of records
    record id = number of records + 1
    ADD record to stores record

ELSE IF operation selected is "Update"
    READ records from stores table
    IF record id exists THEN UPDATE record at stores table
    ELSE PRINT "record doesn't exists"

ELSE IF operation selected is "Delete"

```

```
READ records from stores table
  IF record id exists THEN DELETE record from stores table
  ELSE PRINT "record doesn't exists"

ELSE IF operation selected is "Display"
  LOOP READ records from stores table
    PRINT record
  END LOOP
END OF PROGRAM
```

PROCESS NAME: User Action

FUNCTION: To Maintain AB table

USR_ACTION PROGRAM BEGIN

READ variables from "staff_menu.html"

CONNECT to database

IF operation selected is "Add"

READ records from ab table

COUNT number of records

record id = number of records + 1

ADD record to ab record

ELSE IF operation selected is "Update"

READ records from ab table

IF record id exists THEN UPDATE record at ab table


```
ELSE PRINT "record doesn't exists"

ELSE IF operation selected is "Delete"
  READ records from ab table
  IF record id exists THEN DELETE record from ab table
  ELSE PRINT "record doesn't exists"

ELSE IF operation selected is "Display"
  LOOP READ records from ab table
  PRINT record
END LOOP
END OF PROGRAM
```

```
PROCESS NAME: DVD-Store Action
FUNCTION:      Find DVD players for customers
BEGIN
  READ variables from "dvd_store_menu.html"
  CONNECT to database
  IF operation selected is "Add"
    READ records from dvd_stores table
    COUNT number of records
    record id = number of records + 1
  ADD record to dvd_stores record
```

```

ELSE IF operation selected is "Update"
  READ records from dvd_stores table
  IF record id exists THEN UPDATE record at dvd_stores
    table
  ELSE PRINT "record doesn't exists"

ELSE IF operation selected is "Delete"
  READ records from dvd_stores table
  IF record id exists THEN DELETE record from dvd_stores
    table
  ELSE PRINT "record doesn't exists"

ELSE IF operation selected is "Display"
  LOOP READ records from dvd_stores table
  PRINT record
  END LOOP
END OF PROGRAM

PROCESS NAME: DVD Action
FUNCTION: To Maintain DVD and DVD_Technical tables
BEGIN
  READ variables from "dvd.html"
  CONNECT to database
  IF operation selected is "Add"

```

```

READ records from dvds table

COUNT number of records

record id = number of records + 1

ADD record to dvds record

ADD record to dvd_technical

ELSE IF operation selected is "Update"

READ records from dvd_stores table

IF record id exists THEN UPDATE record at dvds table

    UPDATE record at dvd_technical

    table

ELSE PRINT "record doesn't exists"

ELSE IF operation selected is "Delete"

READ records from dvds tables

IF record id exists THEN DELETE record from dvds table

    DELETE record from dvd_technical

    table

ELSE PRINT "record doesn't exists"

ELSE IF operation selected is "Display"

LOOP READ records from dvds table

    READ records from dvd_technical

    PRINT record

```

END LOOP

END OF PROGRAM

APPENDIX

PROGRAM

Program Name: **MAIN2.HTML**

Purpose: Display Menu for Customers

```
<html>
<body>
<CENTER></CENTER><BR><BR>
<center><table border width=45% bordercolor="darkred"><br>
<tr><td><br><br><center><A HREF="DVD.php"> <b><font face="arial"
color="green" font size="03">DVD's
information</font></A></b></center><BR><BR>
<center><A HREF="find_dvd.php"> <b><font face="arial" color="green" font
size="03">DVD Search</font></A></b></center><BR><BR>
<center><A HREF="cust_menu.html"> <b><font face="arial" color="green" font
size="03">Register</font></A></b></center><BR><BR>
<center><A HREF="link.html"> <b><font face="arial" color="green" font
size="03">Links to Stores</font></A></b></center><BR><BR>
</td><tr></table></center>
</body>
</html>
```

Program Name: **DVD.PHP**

Purpose: Display informational text about characteristics of DVD player

```
<html>
<head>
<meta http-equiv="Content-Language" content="en-us">
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<meta name="GENERATOR" content="Microsoft FrontPage 4.0">
<meta name="ProgId" content="FrontPage.Editor.Document">
<title>DVD</title>
<meta name="Microsoft Theme" content="capsules 111">
</head>

<body>
<CENTER></CENTER><BR>
<!--mstheme--><font face="Arial, Helvetica">
<p align="center"><b><font face="Arial Alternative" size="6">DVD'S
INFORMATION</font></b></p>
<p align="left">&nbsp;</p>
<p align="left"><font face="Arial Alternative" size="3">This page contains
information about DVDs for those who don't have a clear idea about the
characteristics of a good DVD</font>.</p>
<p align="left">How should I select a DVD player?<br>
```

Consider the features, your existing equipment, and the audio capabilities.

Should my existing equipment affect my choice of DVD player?

Yes. The brands and capabilities of your existing equipment will affect your choice of DVD player. See the next couple of questions for more information.

How should the brand of my existing equipment affect my choice of DVD player?

Some brands of audio/video equipment allow interconnecting the components for “smarter” integrated operation of the entertainment center as a whole. For example, JVC’s CompuLink and Sony’s S-Link provide these connections. Therefore, there is an advantage to selecting the same brand of DVD player as your existing equipment.

How should the capabilities my existing equipment affect my choice of DVD player?

If you are interested in building a 5.1-channel surround-sound system, at least one component in your entertainment center should include a Dolby Digital decoder

I have the same brand of equipment, but not the cables for interconnecting them (or maybe they just aren’t long enough).

You probably can get the cables direct from the manufacturer. Check the literature provided with the equipment or the manufacturer’s web site to find out if there is a phone number where you can order cables and other accessories.

Where should I get my DVD player?

Check your local audio/video stores (Circuit City, for example) and discount appliance (Best Buy) stores. You should also check online. Compare the prices (including sales tax) from the local stores with the prices (including shipping) of the same equipment online.

</p>

<p align=“left”> </p>

<p align=“left”> </p>

Back</u>

</body>

</html>

Program Name: FIND_DVD.PHP

Purpose: Display list of options to find a DVD player

```
<?php
```

```
echo “<CENTER><img src=‘http://seep.ias.csusb.edu/bar.jpg’></CENTER><BR>“;
```

```
echo “<form method=‘get’ action=‘dvd_action2.php’>“;
```

```
echo “<BR><center><table>“;
```

```
echo “<tr><td>“;
```

```

echo "<b><font face='Arial' font color='green' font size='02'>SELECT DVD TYPE:
</font></b><br>";
echo "<select name='D1[]' multiple>";
echo "<option value='All'>All</option> ";
echo "<option value='Home'>Home</option> ";
echo "<option value='Portable'>Portable</option> ";
echo "</select>";
echo "</td><td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td><td>";

echo "<b><font face='Arial' font color='green' font size='02'>SELECT BRAND:
</font></b><BR>";
echo "<select name='brands[]' multiple>";
echo "<option value='All'>All</option> ";
echo "<option value='Sony'>Sony</option> ";
echo "<option value='Panasonic'>Panasonic</option> ";
echo "<option value='JVC'>JVC</option> ";
echo "<option value='Samsung'>Samsung</option> ";
echo "</select>";
echo "</td></tr></table><br>";
echo "<br><table><tr><td>";
echo "<b><font face='Arial' font color='green' font size='02'>SELECT STORE:
</font></b><BR><br>";
echo "<select name='stores[]' multiple>";
echo "<option value='All'>All</option> ";
echo "<option value='Circuit City'>Circuit City</option> ";
echo "<option value='Best Buy'>Best Buy</option> ";
echo "<option value='Sears'>Sears</option> ";
echo "<option value='The Good Guys'>The Good Guys</option> ";
echo "<option value='Costco'>Costco</option> ";
echo "</select></td><td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td><td>";

echo "<b><font face='Arial' font color='green' font size='02'>SELECT PRICE:
</font></b><BR>";
echo "<select name='Price[]' multiple>";
echo "<option value='0'>All</option> ";
echo "<option value='1'>0-100</option> ";
echo "<option value='2'>101-500</option> ";
echo "<option value='3'>501-more</option> ";
echo "</select>";
echo "</td></tr></table>";
echo "</center>";
echo "<br><center>";
echo "<input type='submit' name='search' value='Search'>";

```



```

echo "</center><br><br>";
echo "<font face='Arial' font color='blue' font size='02'><a
href='http://seep.ias.csusb.edu/entertainics.html'>Back</u></font></b>";
echo "</form>";
?>

```

Program Name: **DVD_ACTION2.php**

Purpose: Perform query to find DVD players for customers

```

<html>
<body>
<?php
echo "<CENTER><img src='http://seep.ias.csusb.edu/bar.jpg'></CENTER><BR>";
$d1=$_GET["D1"];
$brands=$_GET["brands"];
$stores=$_GET["stores"];
$price=$_GET["Price"];

$flag="0";
$count=0;
$en="0";
$m=0;
$x=0;
Global $counter;
$db = mysql_connect("localhost", "root", "marioachi");
mysql_select_db("dvds", $db);

$counter=0;
if ($d1[$x] == "All")
{
while($m < count($brands))
{
if($brands[$m] == "All")
{
$result1 = mysql_query("SELECT * FROM dvd", $db);
brand1($result1, $db, $brands, $stores, $price);
$m = count($brands);
}
else
{
$result1 = mysql_query("SELECT * FROM dvd WHERE brand='$brands[$m]'"
"$db);
brand1($result1, $db, $brands, $stores, $price);

```

```

}
$m = $m + 1;
}
}
else
{
while($m < count($brands))
{
if($brands[$m] == "All")
{ $result1 = mysql_query("SELECT * FROM dvd WHERE description = '$d1[$x]'
"$db);
brand1($result1,$db,$brands,$stores,$price);
$m = count($brands);
}
else
{
$result1 = mysql_query("SELECT * FROM dvd WHERE description='$d1[$x]' and
brand='$brands[$m]' "$db);
brand1($result1,$db,$brands,$stores,$price);
}
}
}
}
}
if($counter==0)
echo "<b><font face='Arial' font color='black' font size='03'>SORRY, RECORDS
NOT FOUND </font></b><BR>";
else
echo "<br><b><font face='Arial' font color='green' font size='03'> Total Records
Displayed : $counter </font></b>";

echo "<br><br><b><font face='Arial' font color='blue' font size='02'><u><a
href='http://seep.ias.csusb.edu/find_dvd.php'>Back</u></font></b>";

function brand1($result1,$db,$brands,$stores,$price)
{
$myrow = mysql_fetch_array($result1);
do
{
$j=0;
$i=0;

while($j < count($stores))
{

```

```

if($stores[$j] == "All")
{
while ($i < count($price))
{
if($price[$i] == "0")
{
$result3 = mysql_query("SELECT * FROM dvd_stores where
                        idn='$myrow[id_number]' “,$db);
stores($result3,$db,$brands,$stores,$price,$result1,$myrow);
}
else if($price[$i] == "1")
{
$result3 = mysql_query("SELECT * FROM dvd_stores WHERE
                        idn='$myrow[id_number]' and price < 101”,$db);
stores($result3,$db,$brands,$stores,$price,$result1,$myrow);
}
else if($price[$i] == "2")
{
$result3 = mysql_query("SELECT * FROM dvd_stores WHERE
                        idn='$myrow[id_number]' and price > 100 and price < 501 “,$db);
stores($result3,$db,$brands,$stores,$price,$result1,$myrow);
}
else if($price[$i] == "3")
{
$result3 = mysql_query("SELECT * FROM dvd_stores WHERE
                        idn='$myrow[id_number]' and price > 500”,$db);
stores($result3,$db,$brands,$stores,$price,$result1,$myrow);
}
$i = count($price);
}
$j=count($stores);
}
else
{
$res = mysql_query("SELECT * FROM stores where name='$stores[$j]' “,$db);
$myr = mysql_fetch_array($res);
while ($i < count($price))
{
if($price[$i] == "0")
{
$result3 = mysql_query("SELECT * FROM dvd_stores where
                        idn='$myrow[id_number]' and ids='$myr[id_store]' “,$db);
stores($result3,$db,$brands,$stores,$price,$result1,$myrow);
}
}
}
}

```

```

    }
    else if($price[$i] == "1")
    {
        $result3 = mysql_query("SELECT * FROM dvd_stores where
            idn='$myrow[id_number]' and ids='$myr[id_store]' and price <
            101",$db);
        stores($result3,$db,$brands,$stores,$price,$result1,$myrow);
    }
    else if($price[$i] == "2")
    {
        $result3 = mysql_query("SELECT * FROM dvd_stores where
            idn='$myrow[id_number]' and ids='$myr[id_store]' and price > 100
and
            price < 501",$db);
        stores($result3,$db,$brands,$stores,$price,$result1,$myrow);
    }
    else if($price[$i] == "3")
    {
        $result3 = mysql_query("SELECT * FROM dvd_stores where
            idn='$myrow[id_number]' and ids='$myr[id_store]' and price >
            500",$db);
        stores($result3,$db,$brands,$stores,$price,$result1,$myrow);
    }
    $i = $i + 1;
    }
    $j = $j + 1;
    }
    }
} while($myrow = mysql_fetch_array($result1));
}

```

```

function stores($result3,$db,$brands,$stores,$price,$result1,$myrow)
{ global $counter;

```

```

    $myrow3 = mysql_fetch_array($result3);
    if($myrow['id_number']==$myrow3['idn'])
    {
        $result2 = mysql_query("SELECT * FROM dvd_technical WHERE
            id='$myrow[id_number]'", $db);
        $myrow2 = mysql_fetch_array($result2);
        echo "<table border=1>";
        printf("<tr><td><font face='Arial' font color='darkred' font
size='02'>%s</td><td><font face='Arial' font color='darkred' font

```

```

size='02'>%s</td><td><font face='Arial' font color='darkred' font
size='02'>%s</td><td><font face='Arial' font color='darkred' font
size='02'>%s</td><td><font face='Arial' font color='darkred' font
size='02'>%s</td><td><font face='Arial' font color='darkred' font
size='02'>%s</td><td><font face='Arial' font size='02'>%s</tr>\n",
$myrow['id_number'],
$myrow['brand'],$myrow['description'],$myrow['feature1'],$myrow['feature2'],$my
row['feature3'],$myrow['feature4']);
echo "</table>";
echo "<br><font face='Arial' font color='black' font size='02'><b>TECHNICAL
INFORMATION </b><BR>";

printf("<font face='Arial' font color='black' font size='02'>Digital Coax
Output:<font
color='darkred'><b> %s </b>", $myrow2['dco']); echo"<br>";
printf("<font face='Arial' font color='black' font size='02'>Digital Optical
Output:<font color='darkred'><b> %s </b>",$myrow2['doo']);echo"<br>";
printf("<font face='Arial' font color='black' font size='02'>Component Video
Output:<font color='darkred'><b> %s </b>",$myrow2['cvo']);echo"<br>";
printf("<font face='Arial' font color='black' font size='02'>RF Coax A/V
Output:<font
color='darkred'><b> %s </b>",$myrow2['rfc']);echo"<br>";
printf("<font face='Arial' font color='black' font size='02'>Shuttle Control:<font
color='darkred'><b> %s </b>",$myrow2['sc']);echo"<br>";
printf("<font face='Arial' font color='black' font size='02'>Remote:<font
color='darkred'><b> %s </b>",$myrow2['remote']);echo"<br>";
printf("<font face='Arial' font color='black' font size='02'>Formats Supported:
%s",$myrow2['formats']);echo"<br>";
printf("<font face='Arial' font color='black' font size='02'>Number
Composite(RCA)
Outputs:<font color='darkred'><b> %s </b>",$myrow2['no_composite']);
echo"<br>";
printf("<font face='Arial' font color='black' font size='02'>No. of Discs:<font
color='darkred'><b> %s </b>",$myrow2['no_disc']);echo"<br>";
printf("<font face='Arial' font color='black' font size='02'>Dolby
Digital(AC3):<font
color='darkred'><b> %s </b>",$myrow2['dddb']);echo"<br>";
echo"<br>";
echo "<b><font face='Arial' font color='green' font size='03'>STORES : </font>
";
echo "</b><BR>";
$counter = $counter +1;

```

```

do
{
$result4 = mysql_query("SELECT * FROM stores where id_store='$myrow3[ids]'
                        ", $db);
$myrow4 = mysql_fetch_array($result4);

printf("<tr><td><font face='Arial' font color='darkred' font size='02'>%s</td>:
<td><font face='Arial' font color='darkred' font size='02'>%s</td></tr>",
$myrow4['name'], $myrow3['price']);
echo "<br>";

}while($myrow3 = mysql_fetch_array($result3));
echo"<br>";
}
}
?>
</body>
</html>

```

Program Name: **CUST_MENU.HTML**

Purpose: Display Input page to maintain AB table

```

<html>
<body>
<CENTER></CENTER><BR>
<form method="get" action="usr_action.php">
<center>
<table border width=50% bordercolor="darkred"><tr><td><br>
<font face='Arial' font color='green' font size='02'>
<CENTER><b>PERSONAL INFORMATION</B></CENTER><br>
<input type="hidden" name="id_no" value=""><br>
First Name <input type="text" name="fname"><br>
Last Name <input type="text" name="lname"><br>
email <input type="text" name="email"><br>
Address <input type="text" name="address"><br>
City <input type="text" name="city"><br>
State <input type="text" name="state"><br>
Zip <input type="text" name="zip"><br>
</td></tr></table>
<input type="hidden" name="type" size=1 value='C' >
<input type="hidden" name="user" size=1 value="null" ><br>
<input type="hidden" name="password" size=1 value="null" ><br>

```

```

<input type="hidden" name="op" value="add">

<input type="submit" name="Submit" value="Submit">
<INPUT TYPE="reset" name="clear">
</CENTER>
</font></b>
</form>
<br><br><b><font face='Arial' font color='blue' font size='02'><u><a
href='http://seep.ias.csusb.edu/entertainics.html'>Back</u></font></b>
</body>
</html>

```

Program Name: **USR_ACTION.PHP**

Purpose: Perform maintenance of AB table

```

<html>
<body>

<?php
echo "<CENTER><img src='http://seep.ias.csusb.edu/bar.jpg'></CENTER><BR>";
$op=$_GET["op"];
$fname=$_GET["fname"];
$lname=$_GET["lname"];
$email=$_GET["email"];
$user=$_GET["user"];
$password=$_GET["password"];
$address=$_GET["address"];
$city=$_GET["city"];
$state=$_GET["state"];
$zip=$_GET["zip"];
$id_no=$_GET["id_no"];
$type=$_GET["type"];
$id_count = 1;

$flag="0";
$count=0;
$en="0";

$idn = number_format($id_no);

if( $idn >0)
{
    $en = "1";
}

```

```

}

$db = mysql_connect("localhost", "root", "marioachi");
mysql_select_db("dvds", $db);

if( $op == "add" )
{
    $en = "1";
    $result = mysql_query("SELECT * FROM ab", $db);
    while($myrow = mysql_fetch_array($result))
    {
        $id_count = $id_count + 1;
    }
    $id_no=$id_count;
    if( $en == "1" )
    {
        $result = mysql_query("SELECT * FROM ab", $db);

        while($myrow = mysql_fetch_array($result))
        {
            if($myrow["id_no"]==$id_no)
                $flag="1";
        }
        if($flag=="0")
        {
            $sql = "INSERT INTO ab
(id_no,type,lname,fname,email,user,password,address,city,state,zip) VALUES
('$id_no', '$type', '$lname', '$fname', '$email', '$user', '$password', '$address', '$city',
'$state', '$zip')";
            $result = mysql_query($sql);

            echo "<br> ";
            echo "USER ";
            echo " successfully added";
        }
        else
        {
            echo "<br> ";
            echo "USER ";
            echo " Already exists";
        }
    }
}
else

```



```

{
echo "ERROR";
echo " Id Number is not a valid number";
echo "<br>";
echo "Go Back and correct the field";
}
}

else if ( $op == "update" )
{
if( $en == "1" )
{
$result = mysql_query("SELECT * FROM ab",$db);

while($myrow = mysql_fetch_array($result))
{
if($myrow['id_no']==$id_no)
{
$sql = "UPDATE ab SET
id_no='$id_no',type='$type',lname='$lname',fname='$fname',email='$email',user='
$user',password='$password',address='$address',city='$city',state='$state',zip='$zip
' WHERE id_no='$id_no'";
$result2 = mysql_query($sql);
echo "Update was Succesful <br>";
$flag='1';
}
}
if($flag == "0")
{
echo "<br>Update Failed<br>";
echo "Record not Found<br>";
}
}
}
else
{
echo "ERROR";
echo " Input is not a valid number";
echo "<br>";
echo "Go Back and correct the field";
}
}

else if ( $op == "delete" )

```

```

{
$result = mysql_query("SELECT * FROM ab",$db);
while($myrow = mysql_fetch_array($result))
{
    if($myrow['id_no']==$id_no)
    {
        $sql="DELETE FROM ab WHERE id_no='$id_no'";
        $result2 = mysql_query($sql,$db);
        echo "<br>";
        echo "ab ";
        echo "--Record deleted!";
        $count = $count + 1;
    }
}
echo "<br><br>";
echo "Total ";
echo "$count ";
echo "Records erased ";

}

else if ( $op == "display" )
{
$result = mysql_query("SELECT * FROM ab",$db);
echo "<center><table border=1>\n";
echo "<tr><td><font face='Arial' font color='darkred' font size='02'><b><font
face='Arial' font color='darkred' font size='02'><b>USER ID</td><td><font
face='Arial' font color='darkred' font size='02'><b>TYPE</td><td><font
face='Arial' font color='darkred' font size='02'><b>LAST NAME</td><td><font
face='Arial' font color='darkred' font size='02'><b>FIRST NAME</td><td><font
face='Arial' font color='darkred' font size='02'><b>EMAIL</td><td><font
face='Arial' font color='darkred' font size='02'><b>USER</td><td><font
face='Arial' font color='darkred' font size='02'><b>PASSWORD</td><td><font
face='Arial' font color='darkred' font size='02'><b>ADDRESS</td><td><font
face='Arial' font color='darkred' font size='02'><b>CITY</td><td><font
face='Arial' font color='darkred' font size='02'><b>STATE</td><td><font
face='Arial' font color='darkred' font size='02'><b>ZIP CODE</td></tr>\n";

    while($myrow = mysql_fetch_array($result))
    {
        printf("<tr><td><font face='Arial' font size='02'>%s</td><td><font face='Arial'
font size='02'>%s</td><td><font face='Arial' font size='02'>%s</td><td><font

```

```

face='Arial' font size='02'>%s</td><td><font face='Arial' font
size='02'>%s</td><td><font face='Arial' font size='02'>%s</td><td><font
face='Arial' font size='02'>%s</td><td><font face='Arial' font
size='02'>%s</td><td><font face='Arial' font size='02'>%s</td><td><font
face='Arial' font size='02'>%s</td><td><font face='Arial' font
size='02'>%s</td></tr>\n",
$myrow['id_no'],$myrow['type'],$myrow['lname'],$myrow['fname'],$myrow['email
'],$myrow['user'],$myrow['password'],$myrow['address'],$myrow['city'],$myrow['s
tate'],$myrow['zip']);
}
echo "</table></center>\n";
}
?>
</body>
</html>

```

Program Name: **LINK.HTML**

Purpose: Display hyperlinks to transfer customer to sponsor's pages

```

<html>
<body>
<CENTER></CENTER><BR><br>
<center>
<table border=1 width=30% bordercolor="darkred"><tr><td><br>
<center>
<font face='Arial' font color='green' font size='02'><a
href='http://www.circuitcity.com'> Circuit City</font></b><br><br>
<font face='Arial' font color='green' font size='02'><a
href='http://www.bestbuy.com'> Best Buy</font></b><br><br>
<font face='Arial' font color='green' font size='02'><a
href='http://www.thegoodguys.com'> The Good Guys</font></b><br><br>
<font face='Arial' font color='green' font size='02'><a
href='http://www.sears.com'>Sears </font></b><br><br>
<font face='Arial' font color='green' font size='02'><a
href='http://www.costco.com'> Costco </font></b><br>
<br></center></td></tr></table>
</center><br><br><br>
<font face='Arial' font color='blue' font size='02'><a
href='http://seep.ias.csusb.edu/entertainics.html'>Back</u></font></b>
</body>
</html>

```

Program Name: **ACCESS_MENU.HTML**

Purpose: Display input page to validate access to Administrator's Menu

```
<html>
<body>
<CENTER></CENTER><BR>
<form method="get" action="access.php">
<center><br><b><font face='Arial' font color='black' font size='02'>
Username: <input type="text" name="user"><br>
Password: <input type="password" name="password"><br><br><br>
<input type="submit" name="Submit" value="Submit">
<INPUT TYPE="reset" name="clear">
</font></b></center>
<br><br><br><br>
<br><br><b><font face='Arial' font color='blue' font size='02'><u><a
href='http://seep.ias.csusb.edu/find_dvd.php'>Back</u></font></b>
</form>
</body>
</html>
```

Program Name: **ACCESS.PHP**

Purpose: Execute user's validation to grant access to Administrator's Menu

```
<?php
$user=$_GET["user"];
$password=$_GET["password"];
$flag = "0";

$db = mysql_connect("localhost", "root", "marioachi");
mysql_select_db("dvds",$db);

$result = mysql_query("SELECT * FROM ab",$db);
while($myrow = mysql_fetch_array($result))
{
if($myrow["user"]== $user && $myrow["password"]== $password)
{
$flag= "1";
if($myrow["type"] != "C" || $myrow["type"] != "c")
{header("Location:http://seep.ias.csusb.edu/main.html");
}
}
}
```

```

}

if($flag == "0")
  echo "User not Authorized";
?>

```

Program Name: **MAIN.HTML**

Purpose: Display hyperlinks menu for Administrator

```

<html>
<body>

<CENTER></CENTER><BR>
<BR><center>
<table border width=45% bordercolor="darkred"><br>
<tr><td><br><br><center><A HREF="dvd_menu.html"> <b><font face="arial"
color="green" font size="03">DVD's</font></A></b></center><BR><BR>
<center><A HREF="store_menu.html"> <b><font face="arial" color="green" font
size="03">STORES</font></A></b></center><BR><BR>
<center><A HREF="staff_menu.html"> <b><font face="arial" color="green" font
size="03">USERS</font></A></b></center><BR><BR>
<center><A HREF="dvd_store_menu.html"> <b><font face="arial" color="green"
font size="03">DVD-STORES</font></A></b></center><BR><BR>
<center><A HREF="srch.html"> <b><font face="arial" color="green" font
size="03">SEARCH</font></A></b></center><BR><BR>
</td><tr></table>
</center>
<font face='Arial' font color='blue' font size='02'><u><a
href='http://seep.ias.csusb.edu/find_dvd.php'>Back</u></font></b>

</body>
</html>

```

Program Name: **DVD_MENU.HTML**

Purpose: Display input page to maintain DVD and DVD_TECHNICAL tables

```

<html>
<body>
<CENTER></CENTER><BR>
<form method="get" action="dvd_action.php">

```

```

<CENTER>
<table border width=50% bordercolor="darkred"><tr><td>
<br><font face='Arial' font color='green' font size='02'>
<CENTER><b>DVD INFORMATION</b></CENTER><br><br>
Id Number <input type="text" name="id_number">(Update/Delete)<br>
Brand <input type="text" name="brand"><br>
Description <input type="text" name="description"><br>
Feature1 <input type="text" name="feature1"><br>
Feature2 <input type="text" name="feature2"><br>
Feature3 <input type="text" name="feature3"><br>
Feature4 <input type="text" name="feature4"><br>
</td></tr></table><BR>

```

```

<table border width=50% bordercolor="darkred"><tr><td><br>
<font face='Arial' font color='green' font size='02'>
<CENTER><b>TECHNICAL INFORMATION:</b></CENTER><br><br>
Progressive Scan DVD Player(Y/N) <input type="text" name="psp" size=1
value="Y"><br>
Digital Coax Output(Y/N) <input type="text" name="dco" size=1 value="Y"><br>
Digital Optical Output(Y/N) <input type="text" name="doo" size=1 value="Y"><br>
Component Video Output(Y/N) <input type="text" name="cvo" size=1
value="Y"><br>
RF Coax A/V Output(Y/N) <input type="text" name="rfc" size=1 value="Y"><br>
Shuttle Control(Y/N) <input type="text" name="sc" size=1 value="Y"><br>
Remote <input type="text" name="remote"><br>
Formats Supported <input type="text" name="formats" ><br>
Number Composite(RCA) Outputs <input type="text" name="no_composite"><br>
No. of Discs <input type="text" name="no_disc"><br>
Dolby Digital(AC3) Decoding Built In?(Y/N) <input type="text" name="dddb" size=1
value="Y"><br>
</td></tr></table><br>

```

```

<table border width=40% bordercolor="darkred"><tr><td><br><center>
<font face='Arial' font color='green' font size='02'>
<CENTER><b>Choose the operation</b></CENTER><br>
<input type="radio" name="op" value="add" checked>Add <br>
<input type="radio" name="op" value="update">Update <br>
<input type="radio" name="op" value="delete">Delete <br>
<input type="radio" name="op" value="display">Display <br>
</td></tr></center></table><BR>
<CENTER><input type="submit" name="Submit" value="Submit">
<INPUT TYPE="reset" name="clear"></CENTER>
</font>

```

```
</form>
<br><br><b><font face='Arial' font color='blue' font size='02'><u><a
href='http://seep.ias.csusb.edu/main.html'>Back</u></font></b>

</body>
</html>
```

Program Name: **DVD_ACTION.PHP**

Purpose: Perform maintenance of DVD and DVD_TECHNICAL tables

```
<html>
<body>
```

```
<?php
echo "<CENTER><img src='http://seep.ias.csusb.edu/bar.jpg'></CENTER><BR>";
$op=$_GET["op"];
$brand=$_GET["brand"];
$description=$_GET["description"];
$feature1=$_GET["feature1"];
$feature2=$_GET["feature2"];
$feature3=$_GET["feature3"];
$feature4=$_GET["feature4"];
$id_number=$_GET["id_number"];
$psp=$_GET["psp"];
$dco=$_GET["dco"];
$doo=$_GET["doo"];
$cvo=$_GET["cvo"];
$rfc=$_GET["rfc"];
$sc=$_GET["sc"];
$remote=$_GET["remote"];
$formats=$_GET["formats"];
$no_composite=$_GET["no_composite"];
$no_disc=$_GET["no_disc"];
$dddb=$_GET["dddb"];

$id_count = 1;
$flag="0";
$count=0;
$en="0";

$idn = number_format($id_number);
$nocomp = number_format($no_composite);
$nodisc = number_format($no_disc);
```

```

if($idn > 0)
{
    $en = "1";
}

$db = mysql_connect("localhost", "root", "marioachi");
mysql_select_db("dvds", $db);

if( $op == "add" )
{
    $en = "1";
    $result = mysql_query("SELECT * FROM dvd", $db);
    while($myrow = mysql_fetch_array($result))
    {
        $id_count = $id_count + 1;
    }
    $id_number = $id_count;

    if( $en == "1" )
    {
        $result = mysql_query("SELECT * FROM dvd, dvd_technical", $db);
        while($myrow = mysql_fetch_array($result))
        {
            if($myrow["id_number"] == $id_number)
                $flag = "1";
        }

        $id_number = $id_count;

        if($flag == "0")
        {
            $sql = "INSERT INTO dvd
(id_number, brand, description, feature1, feature2, feature3, feature4) VALUES
('$id_number', '$brand', '$description', '$feature1', '$feature2', '$feature3', '$feature4')";
;
            $result = mysql_query($sql);
            $sql = "INSERT INTO dvd_technical
(id, psp, dco, doo, cvo, rfc, sc, remote, formats, no_composite, no_disc, dddb) VALUES
('$id_number', '$psp', '$dco', '$doo', '$cvo', '$rfc', '$sc', '$remote', '$formats', '$no_co
mposite', '$no_disc', '$ddb')";
            $result = mysql_query($sql);
            echo "<br>";
        }
    }
}

```



```

    echo "$id_number ";
    echo " successfully added";
}
else
{
    echo "<br>";
    echo "$id_number ";
    echo " Already exists";
}
}
else
{
    echo "ERROR";
    echo " ID NUMBER is not a valid number";
    echo "<br>";
    echo "Go Back and correct the field";
}
}

else if ( $op == "update" )
{
    if( $en == "1" )
    {
        $result = mysql_query("SELECT * FROM dvd",$db);
        $result2 = mysql_query("SELECT * FROM dvd_technical",$db);
        while($myrow = mysql_fetch_array($result))
        {
            $myrow2 = mysql_fetch_array($result2);
            if($myrow['id_number']==$id_number)
            {
                $sql = "UPDATE dvd SET
id_number='$id_number',brand='$brand',description=
'$description', feature1='$feature1',feature2='$feature2',feature3='
$feature3',feature4='$feature4' WHERE id_number='$id_number'";
                $result3 = mysql_query($sql);
                echo "Update was Succesful <br>";
                $flag='1';
            }
            if($myrow2['id']==$id_number)
            {
                $sql2 = "UPDATE dvd_technical SET
id='$id_number',psp='$psp',dco='$dco',doo="

```

```

        '$doo', cvo= $cvo',rfc=' $rfc',sc=' $sc',remote=' $remote', formats=
'$formats' ,
        no_composite=' $no_composite',no_disc=' $no_disc',dddb=' $ddb'
WHERE
        id=' $id_number'';
        $result3 = mysql_query($sql2);
    }

}
if($flag == "0")
{
    echo "<br>Update Failed<br>";
    echo "Record not Found<br>";
}
}
else
{
    echo "ERROR";
    echo " Input is not a valid number";
    echo "<br>";
    echo "Go Back and correct the field";
}
}

else if ( $op == "delete" )
{
    $result = mysql_query("SELECT * FROM dvd",$db);
    $result2 = mysql_query("SELECT * FROM dvd_technical",$db);

while($myrow = mysql_fetch_array($result))
{
    $myrow2 = mysql_fetch_array($result2);
    if($myrow['id_number']==$id_number)
    {
        $sql="DELETE FROM dvd WHERE id_number=' $id_number'";
        $result3 = mysql_query($sql,$db);
        echo "<br>";
        echo " $id_number ";
        echo "--Record deleted!";
        $count = $count + 1;
    }
    if($myrow2['id']== $id_number)
    {

```

```

    $sql="DELETE FROM dvd_technical WHERE id='$id_number'";
    $result4 = mysql_query($sql,$db);
    echo "<br>";
    echo "$id_number ";
    echo "-2-Record deleted!";
}
}

echo "<br><br>";
echo "Total ";
echo "$count ";
echo "Records erased ";
}

else if ( $op == "display" )
{
    $result = mysql_query("SELECT * FROM dvd",$db);
    $result2 = mysql_query("SELECT * FROM dvd_technical",$db);
    while($myrow = mysql_fetch_array($result))
    {
        $myrow2 = mysql_fetch_array($result2);
        echo "<table border=1>";
        printf("<tr><td><font face='Arial' font color='darkred' font size='02'>%s
            </td><td><font face='Arial' font color='darkred' font size='02'>%s
            </td><td><font face='Arial' font color='darkred' font size='02'>%s
            </td><td><font face='Arial' font color='darkred' font size='02'>%s
            </td><td><font face='Arial' font color='darkred' font size='02'>%s
            </td><td><font face='Arial' font size='02'>%s</tr>\n",
            $myrow['id_number'],
            $myrow['brand'],$myrow['description'],$myrow['feature1'],
            $myrow['feature2'],$myrow['feature3'],$myrow['feature4']);
        echo "</table>";
        echo "<br><font face='Arial' font color='black' font size='02'><b>TECHNICAL
            INFORMATION </b><BR>";

        printf("<font face='Arial' font color='black' font size='02'>Digital Coax
            Output:<font
                color='darkred'><b> %s </b>"," $myrow2['dco']); echo"<br>";
        printf("<font face='Arial' font color='black' font size='02'>Digital Optical
            Output:<font color='darkred'><b> %s </b>",$myrow2['doo']);echo"<br>";
        printf("<font face='Arial' font color='black' font size='02'>Component Video
            Output:<font color='darkred'><b> %s </b>",$myrow2['cvo']);echo"<br>";
    }
}

```

```

printf (“<font face=‘Arial’ font color=‘black’ font size=‘02’>RF Coax A/V
Output:<font
    color=‘darkred’><b> %s </b>“, $myrow2[‘rfc’]);echo”<br>“;
printf (“<font face=‘Arial’ font color=‘black’ font size=‘02’>Shuttle Control:<font
    color=‘darkred’><b> %s </b>“, $myrow2[‘sc’]);echo”<br>“;
printf (“<font face=‘Arial’ font color=‘black’ font size=‘02’>Remote:<font
    color=‘darkred’><b> %s </b>“, $myrow2[‘remote’]);echo”<br>“;
printf (“<font face=‘Arial’ font color=‘black’ font size=‘02’>Formats Supported:
    %s”, $myrow2[‘formats’]);echo”<br>“;
printf (“<font face=‘Arial’ font color=‘black’ font size=‘02’>Number
Composite(RCA)
    Outputs:<font color=‘darkred’><b> %s </b>“, $myrow2[‘no_composite’]);
echo”<br>“;
printf (“<font face=‘Arial’ font color=‘black’ font size=‘02’>No. of Discs:<font
    color=‘darkred’><b> %s </b>“, $myrow2[‘no_disc’]);echo”<br>“;
printf (“<font face=‘Arial’ font color=‘black’ font size=‘02’>Dolby
Digital(AC3):<font
    color=‘darkred’><b> %s </b>“, $myrow2[‘dddb’]);echo”<br>“;
echo”<br>“;
}
}
?>
</body>
</html>

```

Program Name: **STORE_MENU.HTML**

Purpose: Display input page to maintain stores table

```

<html>
<body>
<CENTER><img src=“http://seep.ias.csusb.edu/bar.jpg”></CENTER><BR>
<form method=“get” action=“store_action.php”>
<CENTER>
<table border width=45% bordercolor=“darkred”><tr><td><br>
<font face=‘Arial’ font color=‘green’ font size=‘02’>
<CENTER><b>STORE INFORMATION</B></CENTER><br>
Id Store <input type=“text” name=“id_store”>(Update/Delete)<br>
Name <input type=“text” name=“name”><br>
Address <input type=“text” name=“address”><br>
City <input type=“text” name=“city”><br>
State <input type=“text” name=“state”><br>
Zip <input type=“text” name=“zip”><br>

```

```
</TD></TR></TABLE><br>
```

```
<table border width=40% bordercolor="darkred"><tr><td><br><center>
<font face='Arial' font color='green' font size='02'>
<CENTER><b>Choose the operation</B></CENTER><br>
<input type="radio" name="op" value="add" checked>Add <br>
<input type="radio" name="op" value="update">Update <br>
<input type="radio" name="op" value="delete">Delete <br>
<input type="radio" name="op" value="display">Display <br>
</TD></TR></TABLE><BR>
<CENTER>
<input type="submit" name="Submit" value="Submit">
<INPUT TYPE="reset" name="clear">
</CENTER></font></form>
<br><b><font face='Arial' font color='blue' font size='02'><u><a
href='http://seep.ias.csusb.edu/main.html'>Back</u></font></b>
</body>
</html>
```

Program Name: **STORE_ACTION.PHP**

Purpose: Perform maintenance of stores table

```
<html>
<body>
<?php
echo "<CENTER><img src='http://seep.ias.csusb.edu/bar.jpg'></CENTER><BR>";
$op=$_GET["op"];
$name=$_GET["name"];
$address=$_GET["address"];
$city=$_GET["city"];
$state=$_GET["state"];
$zip=$_GET["zip"];
$id_store=$_GET["id_store"];

$flag="0";
$count=0;
$en="0";
$id_count = 1 ;
$idn = number_format($id_store);

if( $idn >0)
{
```

```

$en = "1";
}

$db = mysql_connect("localhost", "root", "marioachi");
mysql_select_db("dvds", $db);

if( $op == "add" )
{
$en = "1";
$result = mysql_query("SELECT * FROM stores", $db);

while($myrow = mysql_fetch_array($result))
{
    $id_count = $id_count + 1;
}
$id_store = $id_count;

if( $en == "1" )
{
    $result = mysql_query("SELECT * FROM stores", $db);
    while($myrow = mysql_fetch_array($result))
    {
        if($myrow["id_store"] == $id_store)
            $flag = "1";
    }

    if($flag == "0")
    {
        $sql = "INSERT INTO stores (id_store,name,address,city,state,zip) VALUES
            ('$id_store', '$name', '$address', '$city', '$state', '$zip')";
        $result = mysql_query($sql);
        echo "<br>";
        echo "Store ";
        echo " successfully added";
    }
    else
    {
        echo "<br>";
        echo "Store ";
        echo " Already exists";
    }
}
}
else

```

```

{
echo "ERROR";
echo " Id Number is not a valid number";
echo "<br>";
echo "Go Back and correct the field";
}
}

else if ( $op == "update" )
{
if( $en == "1" )
{
$result = mysql_query("SELECT * FROM stores",$db);
while($myrow = mysql_fetch_array($result))
{
if($myrow['id_store']==$id_store)
{
$sql = "UPDATE stores SET
id_store='$id_store',name='$name',address='$address',
city='$city',state='$state',zip='$zip' WHERE id_store='$id_store'";
$result2 = mysql_query($sql);
echo "Update was Succesful <br>";
$flag='1';
}
}
}
if($flag == "0")
{
echo "<br>Update Failed<br>";
echo "Record not Found<br>";
}
}
else
{
echo "ERROR";
echo " Input is not a valid number";
echo "<br>";
echo "Go Back and correct the field";
}
}

else if ( $op == "delete" )

```

```

{
$result = mysql_query("SELECT * FROM stores",$db);
while($myrow = mysql_fetch_array($result))
{
    if($myrow['id_store']==$id_store)
    {
        $sql="DELETE FROM stores WHERE id_store='$id_store'";
        $result2 = mysql_query($sql,$db);
        echo "<br>";
        echo "Stores ";
        echo "--Record deleted!";
        $count = $count + 1;
    }
}

echo "<br><br>";
echo "Total ";
echo "$count ";
echo "Records erased ";
}

else if ( $op == "display" )
{
    $result = mysql_query("SELECT * FROM stores",$db);
    echo "<center><table border=1>\n";
    echo "<tr><td><font face='Arial' font color='darkred' font size='02'><b>
STORE_NUMBER</td><td><font face='Arial' font color='darkred' font
size='02'><b> NAME</td><td><font face='Arial' font color='darkred' font
size='02'><b> ADDRESS</td><td><font face='Arial' font color='darkred' font
size='02'><b> CITY</td><td><font face='Arial' font color='darkred' font
size='02'><b> STATE</td><td><font face='Arial' font color='darkred' font
size='02'><b>ZIP CODE</td></tr>\n";
    while($myrow = mysql_fetch_array($result))
    {
        printf("<tr><td><font face='Arial' font size='02'>%s</td><td><font face='Arial'
font
        size='02'>%s</td><td><font face='Arial' font size='02'>%s</td><td><font
face='Arial' font size='02'>%s</td><td><font face='Arial' font
size='02'>%s
        </td><td><font face='Arial' font size='02'>%s</td></tr>\n",
myrow['id_store'],
        $myrow['name'],$myrow['address'],$myrow['city'],$myrow['state'],
        $myrow['zip']);
    }
}

```



```

}

echo "</table></center>\n";
}
?>

</body>
</html>

```

Program Name: **STAFF_MENU.HTML**

Purpose: Display input page to maintain AB table

```

<html>
<body>
<CENTER></CENTER><BR>
<form method="get" action="usr_action.php">
<CENTER><table border width=45% bordercolor="darkred"><tr><td><br>
<font face='Arial' font color='green' font size='02'>
<CENTER><b>USER'S INFORMATION<br><BR></CENTER>
Id Number <input type="text" name="id_no">(Update/Delete)<br>
First Name <input type="text" name="fname"><br>
Last Name <input type="text" name="lname"><br>
email <input type="text" name="email"><br>
user <input type="text" name="user"><br>
password <input type="text" name="password"><br>
Address <input type="text" name="address"><br>
City <input type="text" name="city"><br>
State <input type="text" name="state"><br>
Zip <input type="text" name="zip"><br>
User Type<input type="text" name="type" size=1 value='C' ><br>
</TD></TR></TABLE><br>

<table border width=40% bordercolor="darkred"><tr><td><br><center>
<font face='Arial' font color='green' font size='02'>
<CENTER><b>Choose the operation</B><br><BR></CENTER>
<input type="radio" name="op" value="add" checked>Add <br>
<input type="radio" name="op" value="update">Update <br>
<input type="radio" name="op" value="delete">Delete <br>
<input type="radio" name="op" value="display">Display <br>
</TD></TR></TABLE>
<CENTER><BR>
<input type="submit" name="Submit" value="Submit">
<INPUT TYPE="reset" name="clear">

```

```

</CENTER>
</CENTER>
</font>
</form>
<br><center><b><font face='Arial' font color='green' font size='03'><a
href='http://seep.ias.csusb.edu/email_usr.php'>Email from
Users</font></b></center>
<br><br><b><font face='Arial' font color='blue' font size='02'><u><a
href='http://seep.ias.csusb.edu/main.html'>Back</u></font></b>
</body>
</html>

```

Program Name: **EMAIL_USR.PHP**

Purpose: Perform query to gather customer's email

```

<html>
<body>
<?php
echo "<CENTER><img src='http://seep.ias.csusb.edu/bar.jpg'></CENTER><BR>";

$db = mysql_connect("localhost", "root", "marioachi");
mysql_select_db("dvds", $db);
echo "<br><font face='Arial' font color='green' font size='02'> Email Addresses:
<br>";
$result = mysql_query("SELECT * FROM ab WHERE type='C'", $db);
while($myrow = mysql_fetch_array($result))
{
    printf("<font face='Arial' font size='02'>%s,", $myrow['email']);
}
echo "</table></center>\n";
?>

</body>
</html>

```

Program Name: **DVD_STORE_MENU.HTML**

Purpose: Display input page to maintain DVD_Stores table

```

<html>
<body>
<CENTER></CENTER><BR>
<form method="get" action="dvd_store_action.php">
<center>

```

```

<table border width=40% bordercolor="darkred"><tr><td><br>
<center><font face='Arial' font color='green' font size='02'>
<b>DVD-STORE INFORMATION</b><br><br>
Id Number <input type="text" name="idn"><br>
ID Store <input type="text" name="ids"><br>
Price <input type="text" name="price"><br>
</center>
</td></tr></table><br>
<table border width=40% bordercolor="darkred"><tr><td><br>
<center>
<font face='Arial' font color='green' font size='02'>
<b>Choose the operation</b><br><br>
<input type="radio" name="op" value="add" checked>Add <br>
<input type="radio" name="op" value="update">Update <br>
<input type="radio" name="op" value="delete">Delete <br>
<input type="radio" name="op" value="display">Display <br>
</center></td></tr></table><BR>
<input type="submit" name="Submit" value="Submit">
<INPUT TYPE="reset" name="clear">
</font></center></form>
<br><br><b><font face='Arial' font color='blue' font size='02'><u><a
href='http://seep.ias.csusb.edu/main.html'>Back</u></font></b>
</body>
</html>

```

Program Name: **DVD_STORE_ACTION.PHP**

Purpose: Perform maintenance of DVD_Store table

```

<html>
<body>
<?php
echo "<CENTER><img src='http://seep.ias.csusb.edu/bar.jpg'></CENTER>";

$op=$_GET["op"];
$idn=$_GET["idn"];
$ids=$_GET["ids"];
$price=$_GET["price"];

$flag="0";
$flag2="0";
$count=0;
$en= 0;
$id_count=1;

```

```

$pricen = number_format($price);
$Sid_count=1;

$db = mysql_connect("localhost", "root","marioachi");
mysql_select_db("dvds",$db);

if( $op == "add" )
{
$en = "1";
$result = mysql_query("SELECT * FROM dvd_stores",$db);
while($myrow = mysql_fetch_array($result))
{
$Sid_count = $Sid_count + 1;
}
$Sids=$Sid_count;

if($pricen >0)
{
$en = 1;
}
else
{
echo "NUMBER is not Valid !!";
}

$result1 = mysql_query("SELECT * FROM dvd",$db);
while($myrow1 = mysql_fetch_array($result1))
{
if($myrow1['id_number']==$idn)
$flag="1";
}
if($flag == "0")
{ echo "DVD Number doesn't exists";}

$result2 = mysql_query("SELECT * FROM stores",$db);
while($myrow2 = mysql_fetch_array($result2))
{
if($myrow2["id_store"]==$Sids)
$flag2="1";
}
if($flag2 == "0")
{ echo "Store Number doesn't exists";}

```

```

if($en == 1 && $flag=="1" && $flag2=="1")
{
$result = mysql_query("SELECT * FROM dvd_stores",$db);
$sql = "INSERT INTO dvd_stores (ids,idn,ids,price) VALUES
('$sids','$idn','$sids','$price')";
$result = mysql_query($sql);

echo "<br>";
echo "Record";
echo " successfully added";
}
else
echo "ERROR!!";

}

else if ( $op == "update" )
{
$result = mysql_query("SELECT * FROM dvd_stores",$db);
while($myrow = mysql_fetch_array($result))
{
if($myrow['idn']==$idn && $myrow['ids']==$ids)
{
$sql = "UPDATE dvd_stores SET
ids='$sids',idn='$idn',ids='$ids',price='$price'
WHERE idn='$idn' and ids='$ids' ";
$result2 = mysql_query($sql);
echo "Update was Successful <br>";
$flag='1';
}
}
if($flag == "0")
{
echo "<br>Update Failed<br>";
echo "Record not Found<br>";
}
}

else if ( $op == "delete" )
{
$result = mysql_query("SELECT * FROM dvd_stores",$db);
while($myrow = mysql_fetch_array($result))
{

```

```

if($myrow['idn']==$idn & $myrow['ids']==$ids)
{
    $sql="DELETE FROM dvd_stores WHERE idn='$idn' and ids='$ids'";
    $result2 = mysql_query($sql,$db);
    echo "<br>";
    echo "Stores ";
    echo "--Record deleted!";
    $count = $count + 1;
}
}
echo "<br><br>";
echo "Total ";
echo "$count ";
echo "Records erased ";
}

else if ( $op == "display" )
{
    $result = mysql_query("SELECT * FROM dvd_stores",$db);
    echo "<br>";
    echo "<center><table border=1>\n";
    echo "<tr><td><font face='Arial' font color='darkred' font size='02'><b>
ID_NUMBER</td><td><b><font face='Arial' font color='darkred' font size='02'>
ID_STORE</td><td><font face='Arial' font color='darkred' font size='02'><b>
PRICE</td></tr></font>\n";
    while($myrow = mysql_fetch_array($result))
    {
        printf("<tr><td><font face='Arial' font size='02'>%s</td><td><font face='Arial'
font
size='02'>%s</td><td><font face='Arial' font size='02'>%s</td><td><font
face='Arial' font size='02'>%s</td></tr>\n",$myrow['ids'], $myrow['idn'],
$myrow['ids'],$myrow['price']);
    }
    echo "</table>\n";
}
?>

</body>
</html>

```

Program Name: **SRCH.HTML**

Purpose: display hyperlinks page to transfer administrator to Sponsors pages

```

<html>
<body>
<form method="get" action="search2.php">
<CENTER></CENTER><BR><br>
<center>
<table border width=30% bordercolor="darkred"><tr><td><br>
<font face='Arial' font color='green' font size='02'>
<center><b>Choose the Store to search</b></center><br>
<input type="radio" name="op" value="1" checked>Circuit City <br>
<input type="radio" name="op" value="2">Best Buy <br>
<input type="radio" name="op" value="3">The Good Guys <br>
<input type="radio" name="op" value="4">Sears <br>
<input type="radio" name="op" value="5">Costco <br>
<br>
</td></tr></table>
<br>
<input type="submit" name="Search" value="Submit">
<INPUT TYPE="reset" name="clear">
</center>
</form>
</body>
</html>

```

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