Spring 2016

ASMF Pro Learning Management System

Mohammed Azhar Ali
Governors State University

Shuja-Ur-Rahman Mohammed
Governors State University

Ahmed Faraaz Syed
Governors State University

Moqthar Ali Syed
Governors State University

ACKNOWLEDGEMENT

At every outset we express my gratitude to almighty lord for showering his grace and blessings upon us to complete this project.

Although our name appears on the cover of this book, many people had contributed in some form or the other form to this project Development. We could not done this project without the assistance or support of each of the following we thank you all.

We wish to place on my record my deep sense of gratitude to our project guide, OUR TEAM for constant motivation and valuable help through the project work. Express my gratitude to Dr. Soon Ok Park, Advisor of Governors State University for her valuable suggestions and advices throughout the Graduate Seminar course. We also extend my thanks to other Faculties for their Cooperation during our Course.

Finally we would like to thank my friends for their cooperation to complete this project.

ASMF Learning Management System Team

ABSTRACT

This Project is to design and develop an online learning management system for students, which will be an open source learning management tools like blackboard, which will provide an online platform for conducting and taking classes online. Where students can register for the classes and get access to the online lectures provided by the instructor that can be in any file format. This system consists of a registration module where a new student can register and login. The students who got registered will get the access to register for the course. And instructor module has the separate registration and can have access to the student details and list of students registered for the course.

The student module has student registration and login, at the registration page student need to provide with all the details like his name, email, phone number and it provide a student to add or drop a course and get access to the course description and details. The students can access the lectures in the portal provided by the instructor, the lecture can be in any type for example it can be a material or video or link to the source etc. The files can be of any format like pdf, doc, ppt, video etc. There will be an assignment submission portal or link where all the students can submit the assignment and can access their grades.

The instructor module will have the different registration form and after login to their portal an instructor can have access to all the student details and list of students that has registered for the class and adding and removing a student. Instructor can send a notification email to all the students and can also notify through text messages via mobile phone. Instructor can provide the lecture through uploading and updating the materials and video lectures to the system so that all the students can access to the materials provided by the instructor. And the instructor can provide record on-screen activity to students for assist with software installation and course related support, with the help of screencast tools. Instructor has the portal to post the assignments and check the assignments posted by students and grade them.

Table of Contents

1. INTRODUCTION

The primary goal of this framework is to give a Learners Sojourn that offer learning and instructional exercise administration through elements, for example, slides seeing, speaker/understudy connection through video and sound gushing and the inquiry/answer sessions through visiting. One of the principle favorable circumstances as any this application would demonstrate to have is the wide range access to give the understudies and teachers might be anyplace on the planet yet at the same time figuring out how to get to the assets and data from anyplace.

2. SYSTEM OVERVIEW

School is the level 1 learning station for any understudy. At the point when contrasted with a school or a college a regular school will have parcel of administrative work included. Right from understudy's admission to giving exchange testament to the understudy, there will be parcel of business related to him/her. Aside from understudy data, the organization will likewise need to keep up the educator's data and non-showing staff data and so on.. The application can be further upgraded according to necessity from particular school to coordinate their particular needs.

3. SYSTEM REQUIREMENTS

TECHNOLOGIES USED

- ASP.NET
- HTML
- CSS
- SQL

SOFTWARE REQUIREMENTS

- VISUAL STUDIOS 2012
- SQL SERVER 2012
- WINDOWS 7,8,10
- SNAGIT

4. SCREENCAST TOOLS

A screencast is an advanced recording of the computer screen output, otherwise called a feature screen capture, frequently also holding sound portrayal. The term screencast compares it with the related expression screenshot; inasmuch as screenshot generates a solitary picture of a workstation screen. A screencast is basically a motion picture of the progressions about whether that a client sees once a workstation screen, improved with sound portrayal.

Screencasts can show and instruct the utilization of programming elements. Making a screencast helps programming engineers flaunt their work. Teachers may likewise utilize

screencasts as another method for incorporating innovation into the curriculum. Students can record video and sound as they exhibit the best possible methodology to tackle an issue on an intuitive whiteboard.

Screencasts are valuable devices for conventional programming clients also: They help documenting report bugs in which the screencasts assume the position of possibly misty composed clarifications; they help demonstrating others how a given assignment is proficient in a particular programming environment.

In classrooms, educators and understudies can utilize this apparatus to make recordings to clarify content, vocabulary, and so on. Recordings can make class time more gainful for both educators and understudies. Screencasts may build understudy engagement and accomplishment furthermore give additional time in which understudies can work cooperatively in gatherings, so screencasts help them to thoroughly consider agreeable learning.

Also, screenshots permit understudies to move at their own particular pace since they can delay or audit content whenever and anyplace. Screencasts are incredible for those learners who simply require an oral and in addition a visual clarification of the substance exhibited.

Most trial adaptations of a screen casting programs regularly apply a watermark naturally, promising clients to buy the full form keeping in mind the end goal to expel it.

An option answer for catching a screencast is the utilization of an equipment RGB or DVI outline grabber card. This methodology puts the weight of the recording and pressure process on a machine separate from the one producing the visual material being caught.

The one screencast technique which we are using here is called SnagIt. The description of it is given below.

SnagIt:

SnagIt is a screenshot program that catches video presentation and sound yield. Initially for the Microsoft Windows working frameworks, late forms have additionally been accessible for Mac OS, however with less components. It is made and conveyed by TechSmith, and was initially dispatched in 1990. SnagIt is accessible in English, German, Korean, and Japanese adaptations.

SnagIt replaces the local print screen capacity with extra elements. More up to date forms permit group catch of implanted things, for example, connections, pictures, and sight and sound. The client can set parameters and console easy routes to catch specific sorts of information, which are put away in an organizer called "List" as a matter of course. The product can likewise take after connections in website pages, catching the predetermined information from the connected pages.

Extras augment its components. For instance, **Flickr Output** empowers the client to transfer screen catches to a Flickr account.

Snappy toolbar:

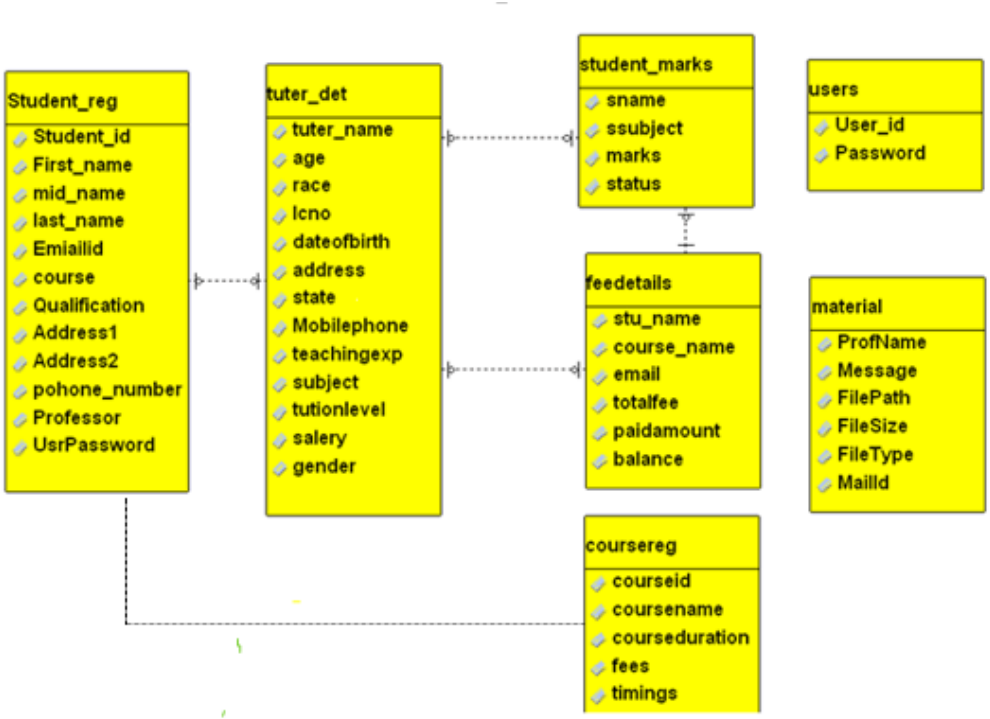
A snappy toolbar can build catch speed by either utilizing the last catch strategy connected or by permitting the technique to be immediately changed through an alternative menu.

It has a sneak peek window which demonstrates a zoomed thumbnail of whatever the cursor is floating over and a site page inventory producer. The review window can assemble all screen catches rapidly and make a page in five straightforward steps.

The product underpins diverse choice arrangements, which are All-in-One, Full Screen, Copy to clipboard, Web page as a PDF with connections, Copy content to clipboard, Free hand, and Menu with time delay. The catch apparatus has a cluster converter which permits change of a vast quantities of documents without a moment's delay.

The product can consequently move screenshots to the Edit segment once caught, where they can be resized, commented on, or enhancements can be included.

5. E-R Diagram



6. DATA DICTIONARY

Student_reg

Column Name	Data Type	Allow Nulls
Student_id	varchar(50)	☐
First_name	varchar(20)	☑
mid_name	varchar(20)	☑
last_name	varchar(20)	☑
Emiailid	varchar(20)	☑
course	varchar(20)	☑
Qualification	varchar(20)	☑
Address1	varchar(20)	☑
Address2	varchar(20)	☑
pohone_number	nvarchar(50)	☑
Professor	varchar(50)	☑
UsrPassword	varchar(50)	☑
		☐

tuter_det

Column Name	Data Type	Allow Nulls
tuter_name	varchar(50)	☑
age	int	☑
race	varchar(50)	☑
Icno	varchar(50)	☐
dateofbirth	varchar(50)	☑
address	varchar(50)	☑
state	varchar(50)	☑
email	varchar(50)	☑
Mobilephone	varchar(50)	☑
teachingexp	varchar(50)	☑
subject	varchar(50)	☑
tutionlevel	varchar(50)	☑
salery	varchar(50)	☑
gender	varchar(50)	☑
Qualification	varchar(50)	☑
		☐

users

Column Name	Data Type	Allow Nulls
User_id	varchar(50)	☑
Password	varchar(50)	☑
		☐

feedetails

Column Name	Data Type	Allow Nulls
stu_name	varchar(20)	☑
course_name	varchar(20)	☑
email	varchar(20)	☑
totalfee	int	☑
paidamount	int	☑
balance	int	☑
		☐

student_marks

Column Name	Data Type	Allow Nulls
sname	varchar(20)	☑
ssubject	varchar(20)	☑
email	varchar(20)	☐
marks	varchar(20)	☑
status	varchar(20)	☑
		☐

material

Column Name	Data Type	Allow Nulls
ProfName	varchar(50)	☑
Message	varchar(250)	☑
FilePath	varchar(250)	☑
FileSize	varchar(15)	☑
FileType	varchar(250)	☑
MailId	varchar(50)	☑
		☐

demo

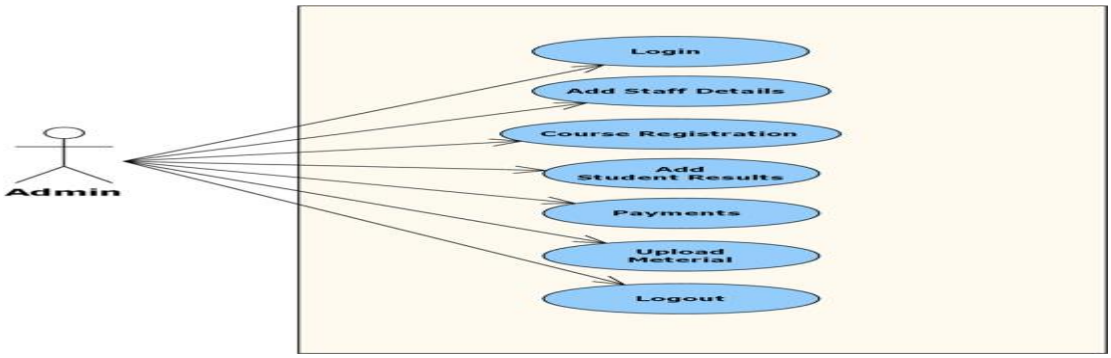
	Column Name	Data Type	Allow Nulls
	num	varchar(50)	☐
			☐

coursereg

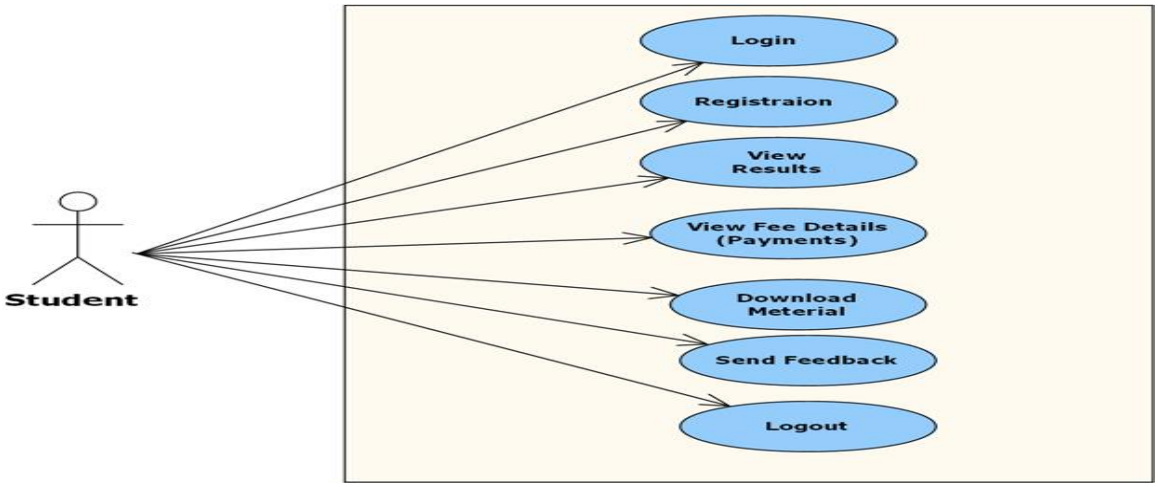
	Column Name	Data Type	Allow Nulls
	courseid	varchar(20)	☐
	coursename	varchar(20)	☑
	courseduration	varchar(20)	☑
	fees	money	☑
	timings	varchar(20)	☑
			☐

7. UML DIAGRAMS

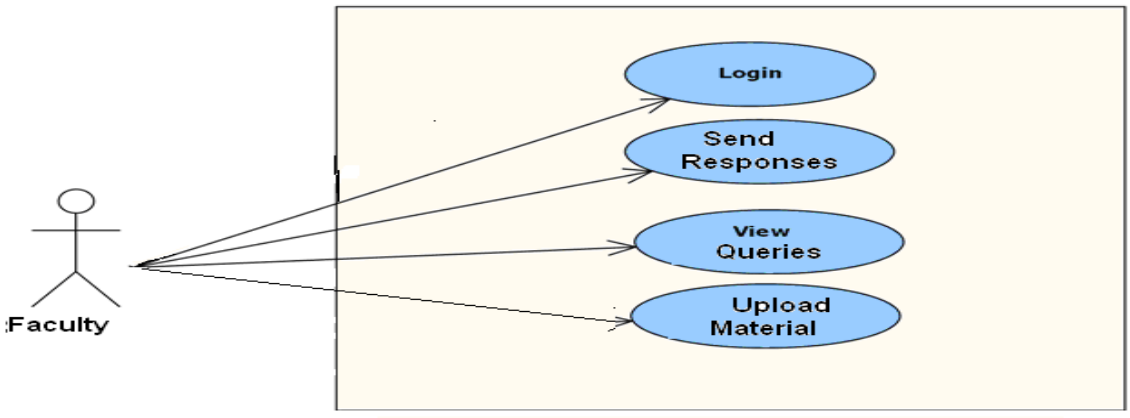
Use case For Admin:



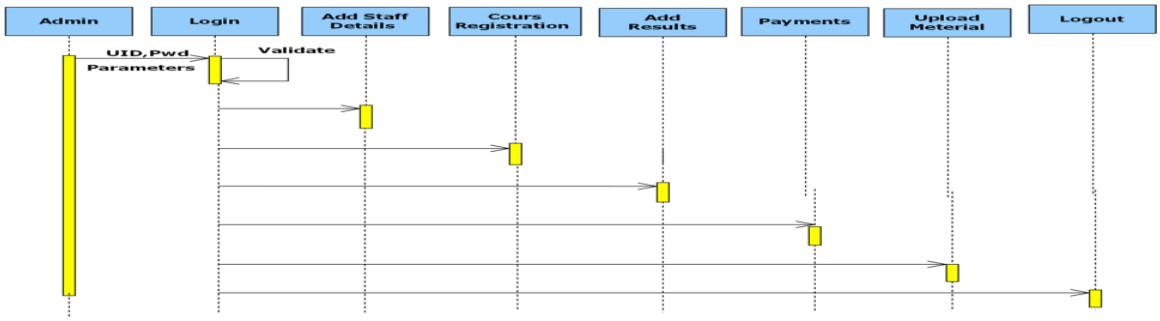
Use case for Student:



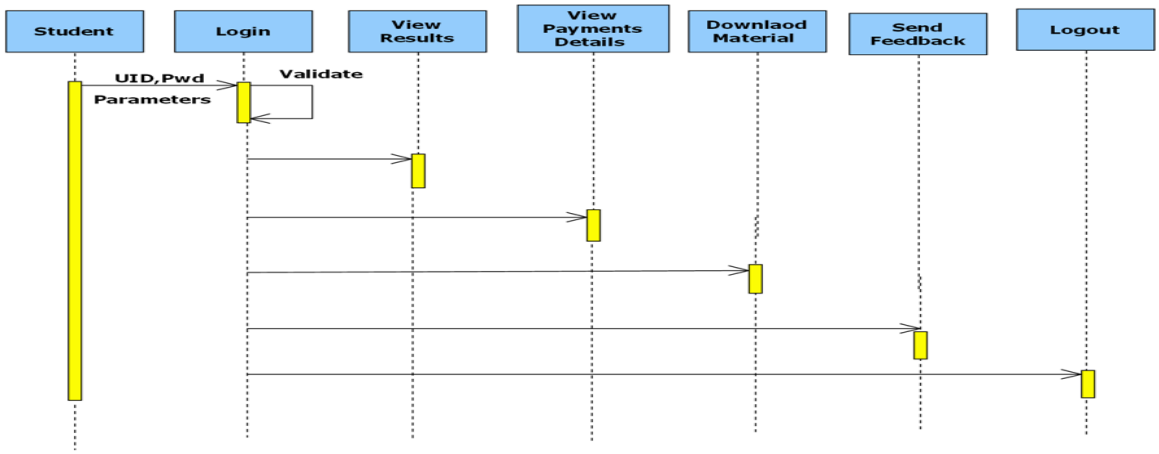
Use Case For Faculty:



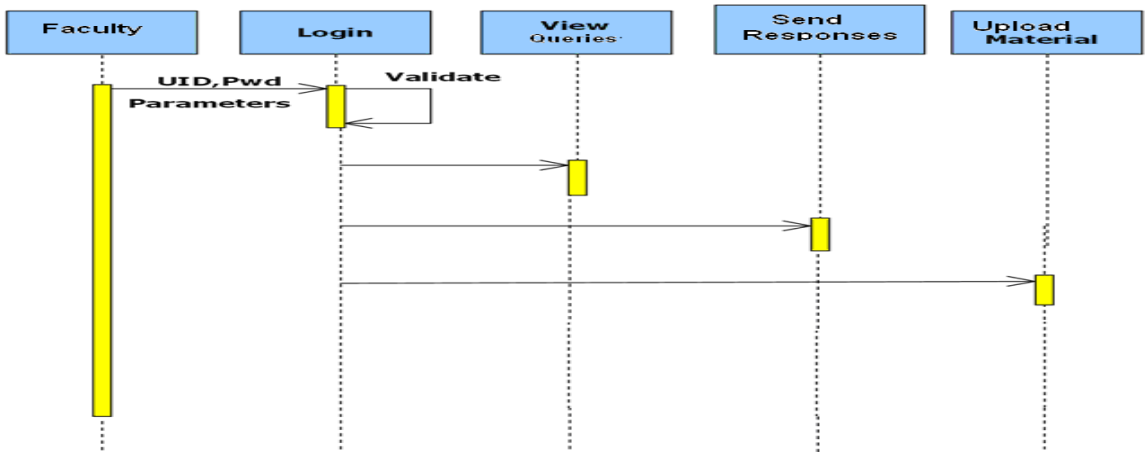
Sequence for Admin:



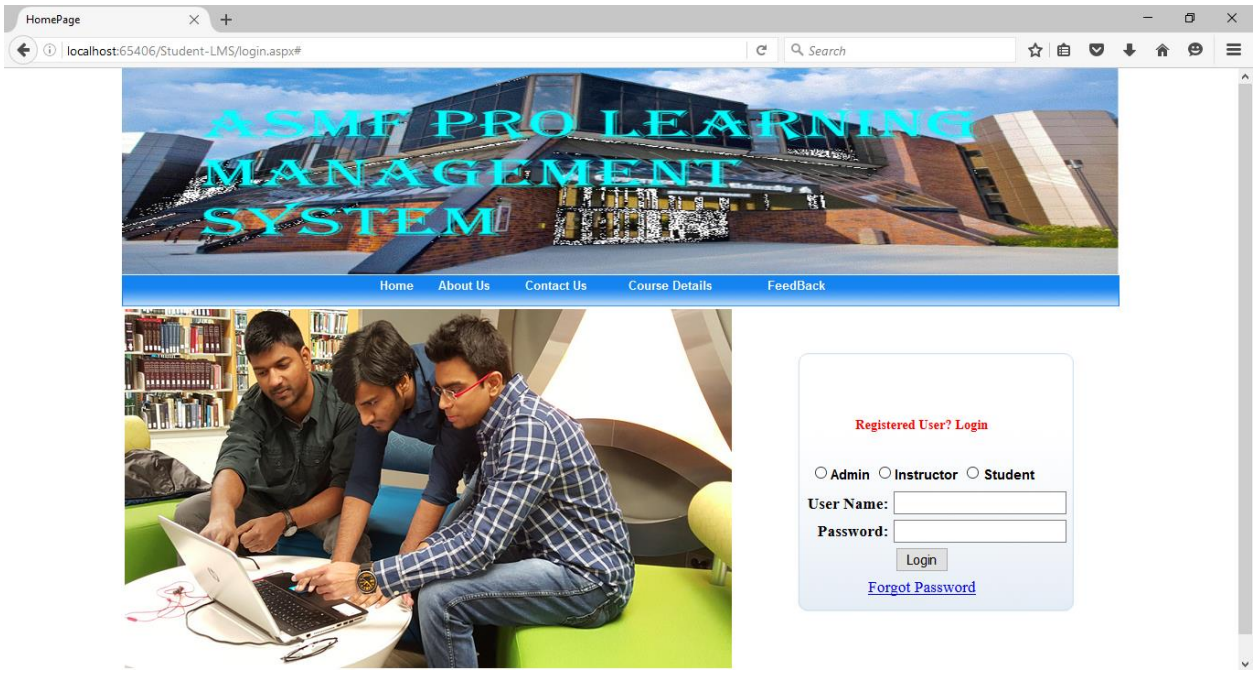
Sequence for Student:

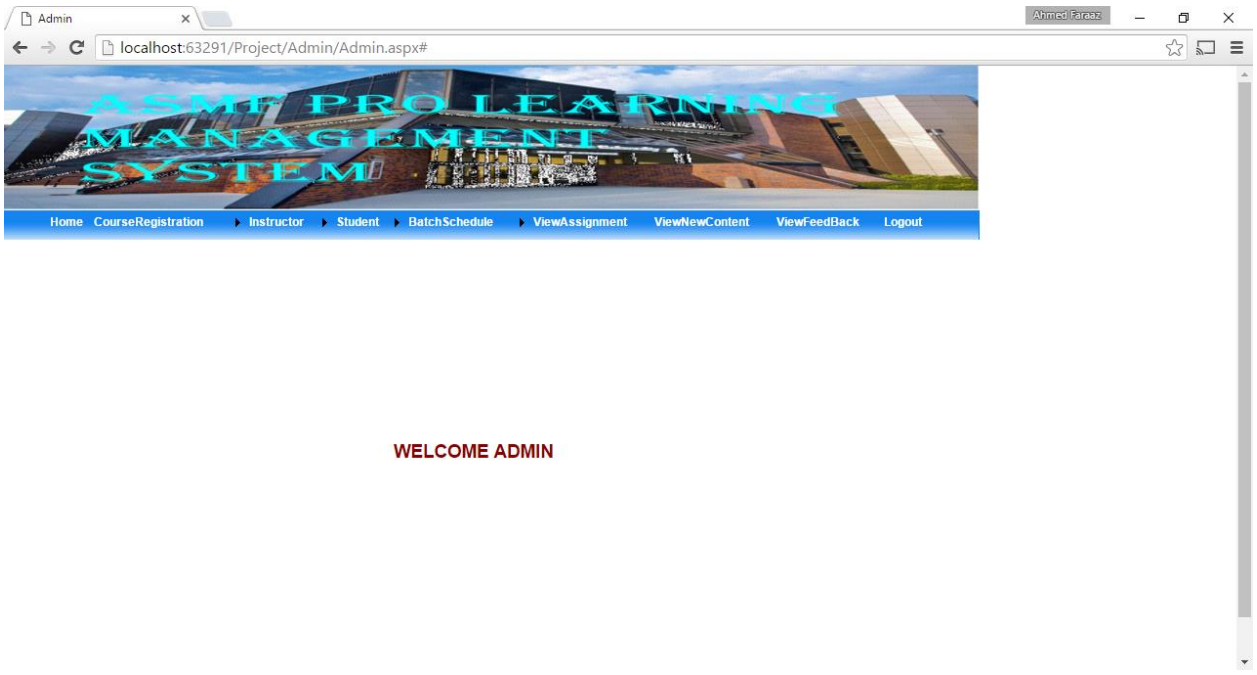


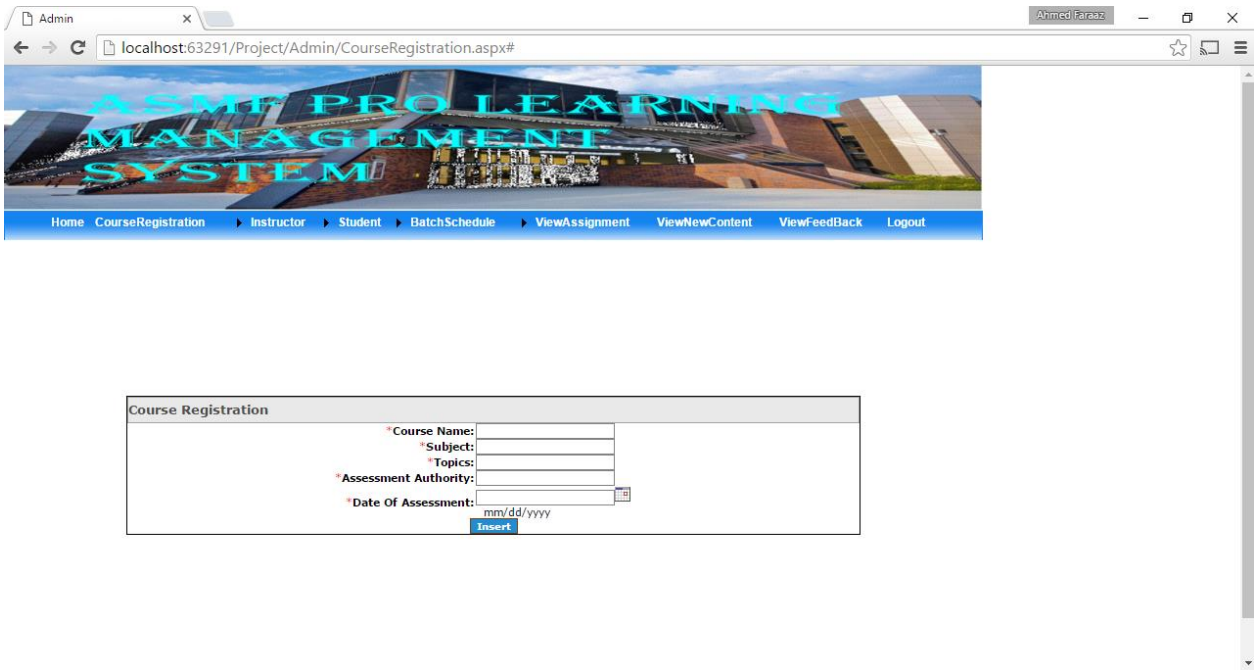
Sequence for Faculty:

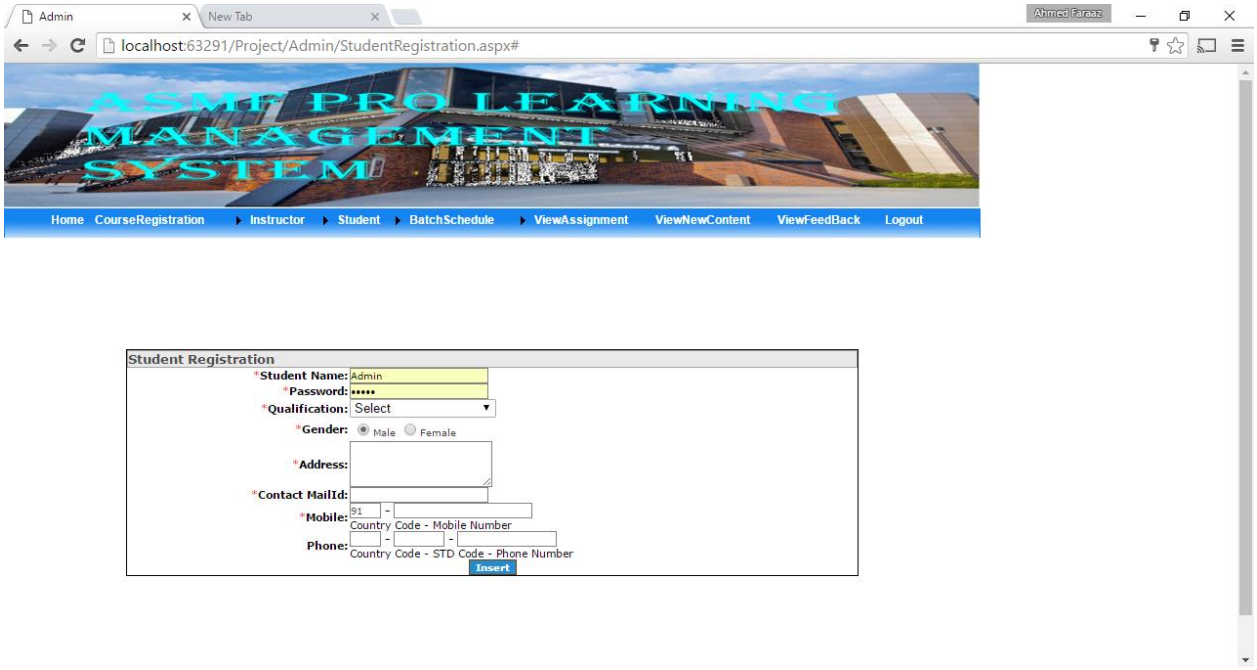


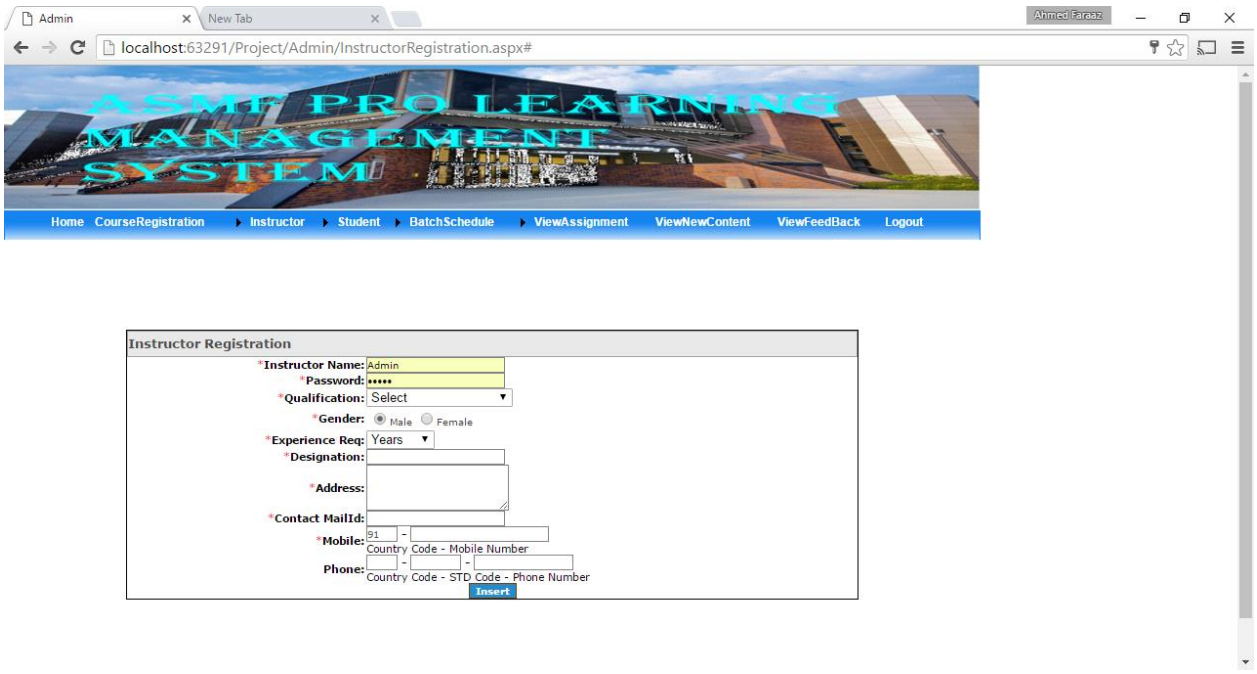
8. SCREENSHOTS

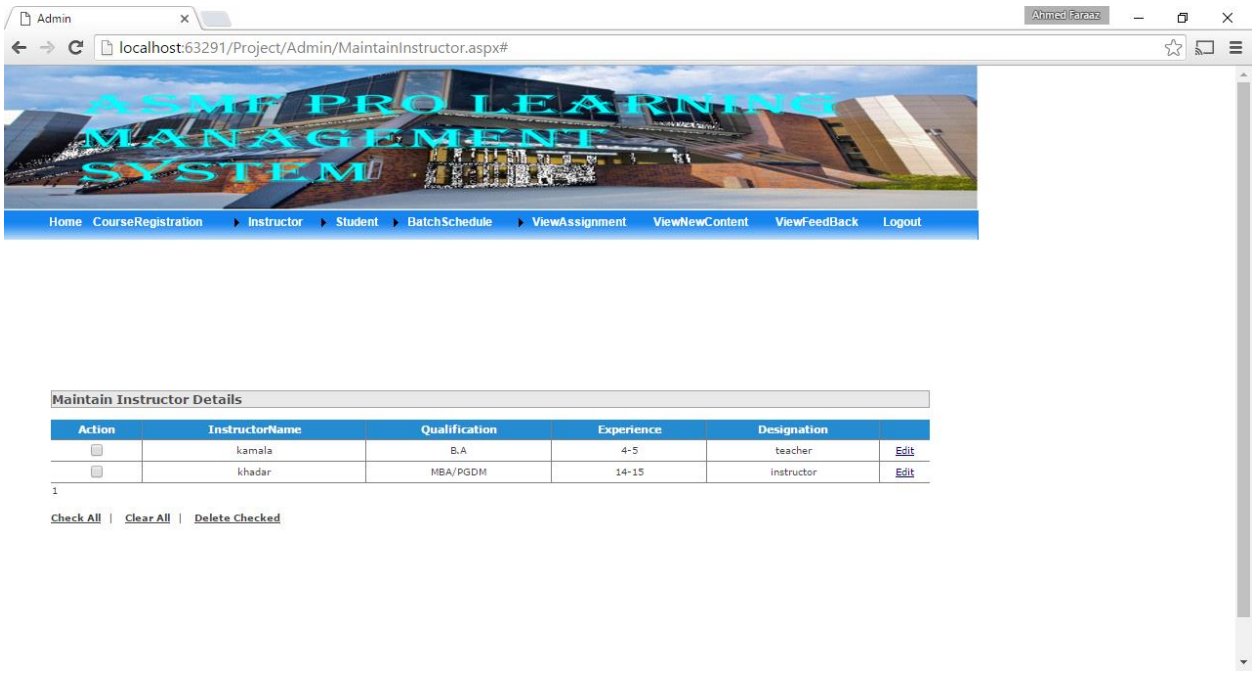


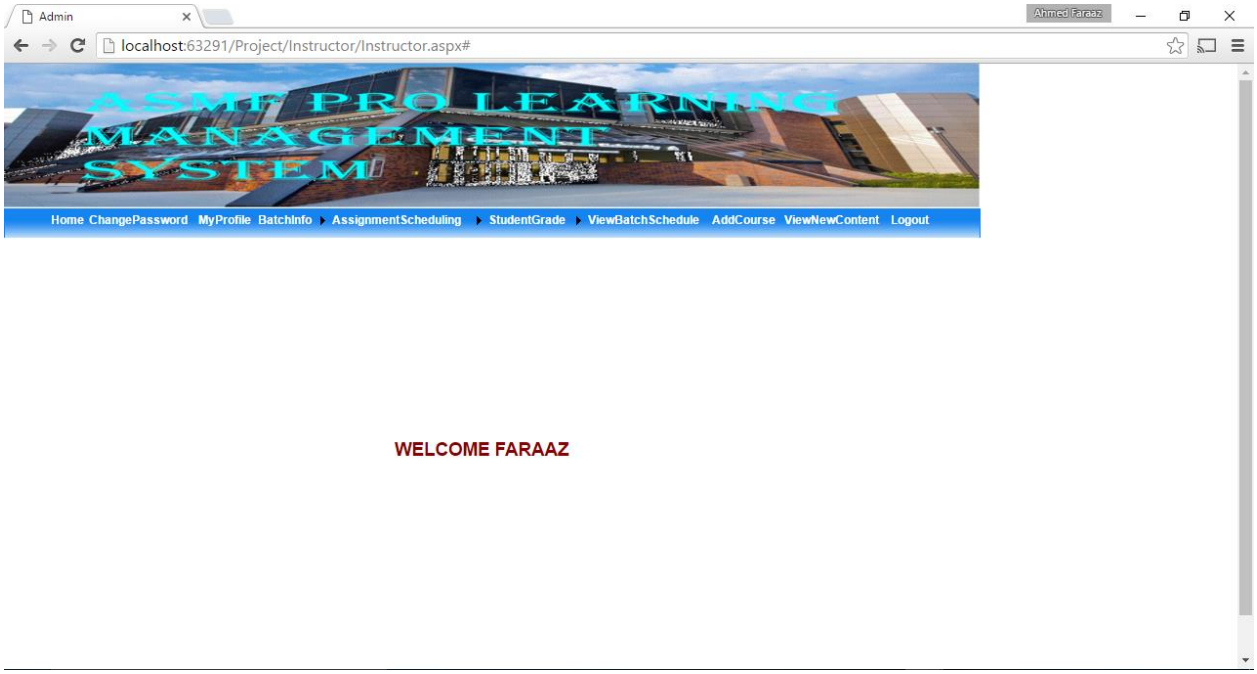


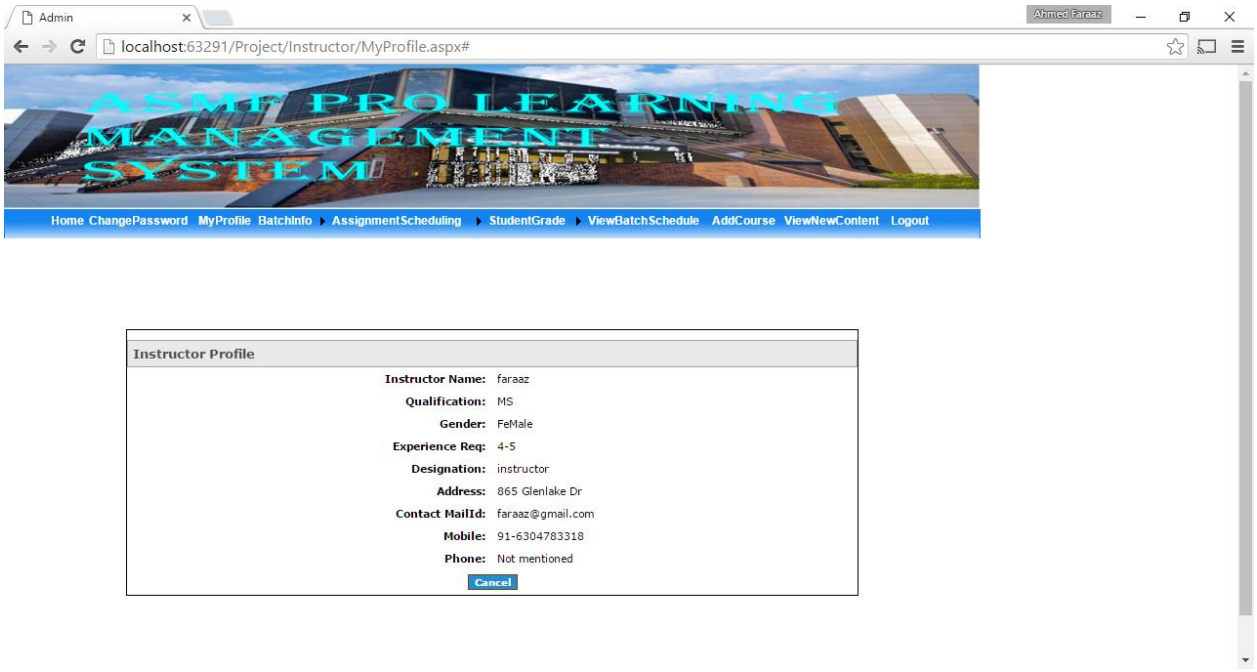

Admin
Ahmed Faraaz
localhost:63291/Project/Admin/CourseRegistration.aspx#
ASMF PRO LEARNING MANAGEMENT SYSTEM
Home CourseRegistration Instructor Student BatchSchedule ViewAssignment ViewNewContent ViewFeedBack Logout
Course Registration
*Course Name:
*Subject:
*Topics:
*Assessment Authority:
*Date Of Assessment:
mm/dd/yyyy
Insert

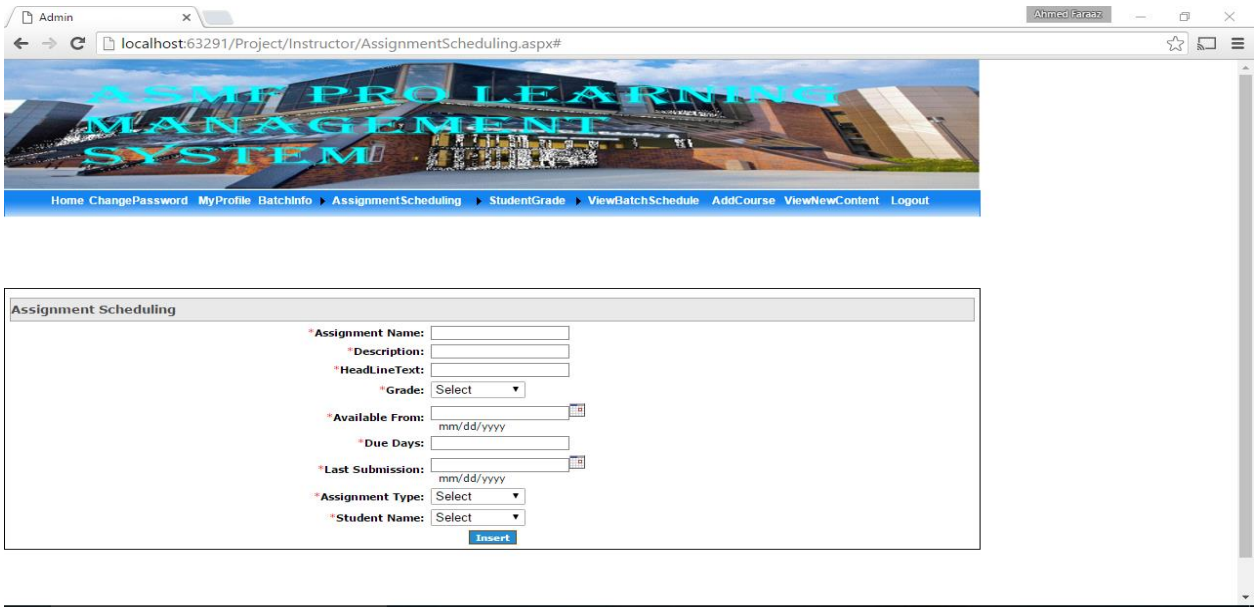

Admin
New Tab
Ahmed Faraaz
localhost:63291/Project/Admin/StudentRegistration.aspx#
ASMF PRO LEARNING MANAGEMENT SYSTEM
Home CourseRegistration Instructor Student BatchSchedule ViewAssignment ViewNewContent ViewFeedBack Logout
Student Registration
*Student Name: Admin
*Password:
*Qualification: Select
*Gender: Male Female
*Address:
*Contact MailId:
*Mobile: 91 -
Country Code - Mobile Number
Phone: - -
Country Code - STD Code - Phone Number
Insert

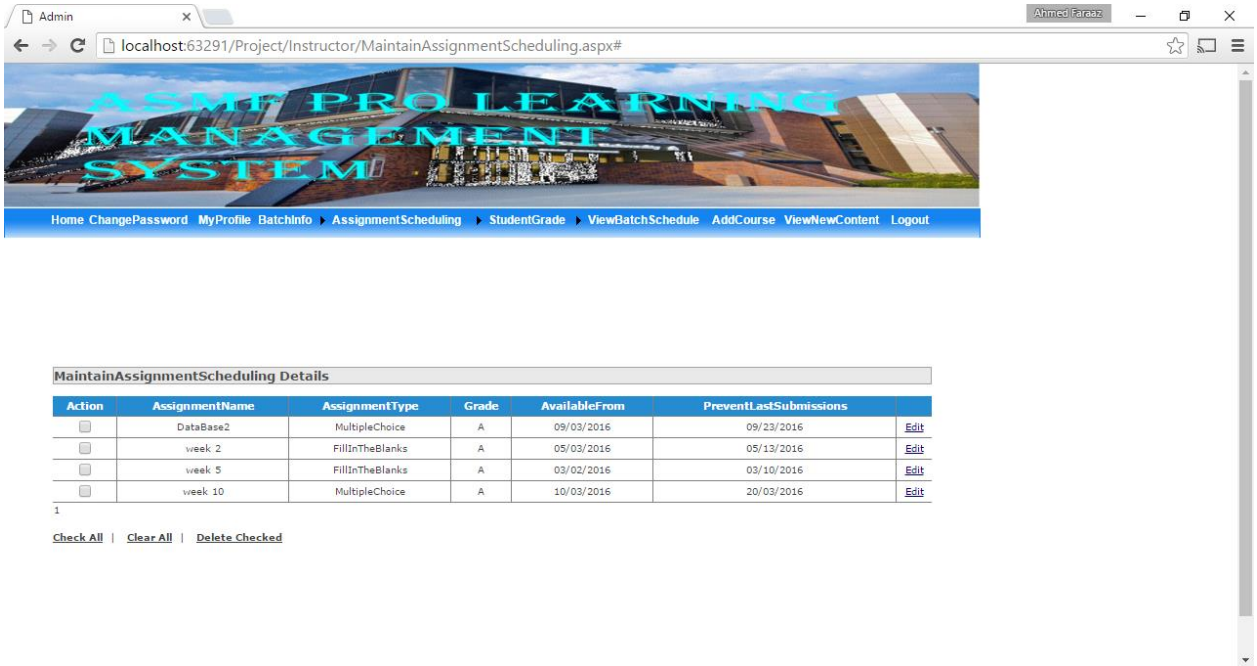

Admin
New Tab
Ahmed Faraaz
localhost:63291/Project/Admin/InstructorRegistration.aspx#
ASMF PRO LEARNING MANAGEMENT SYSTEM
Home CourseRegistration Instructor Student BatchSchedule ViewAssignment ViewNewContent ViewFeedBack Logout
Instructor Registration
*Instructor Name: Admin
*Password: •••••
*Qualification: Select
*Gender: Male Female
*Experience Req: Years
*Designation:
*Address:
*Contact MailId:
*Mobile: 91 -
Country Code - Mobile Number
Phone: - -
Country Code - STD Code - Phone Number
Insert

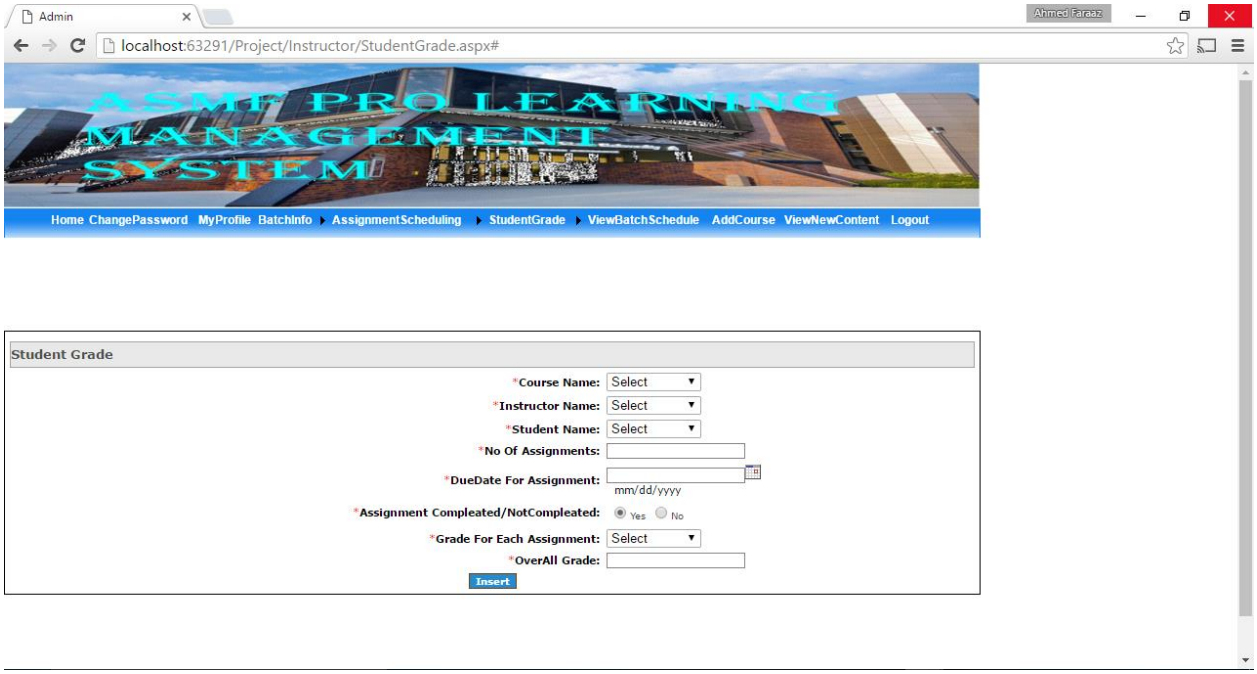

Admin
Ahmed Faraaz
localhost:63291/Project/Admin/MaintainInstructor.aspx#
ASMF PRO LEARNING MANAGEMENT SYSTEM
Home CourseRegistration Instructor Student BatchSchedule ViewAssignment ViewNewContent ViewFeedBack Logout
Maintain Instructor Details
Action InstructorName Qualification Experience Designation
kamala B.A 4-5 teacher Edit
khadar MBA/PGDM 14-15 instructor Edit
1
Check All | Clear All | Delete Checked

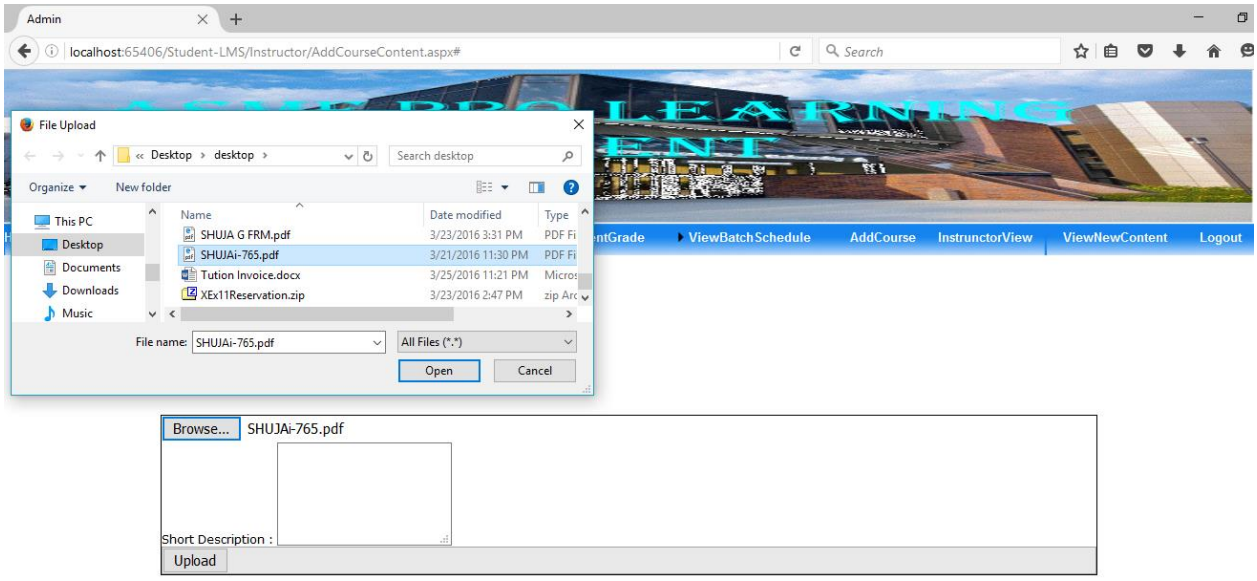

Admin
Ahmed Faraaz
localhost:63291/Project/Instructor/Instructor.aspx#
ASMF PRO LEARNING MANAGEMENT SYSTEM
Home ChangePassword MyProfile BatchInfo AssignmentScheduling StudentGrade ViewBatchSchedule AddCourse ViewNewContent Logout
WELCOME FARAAZ

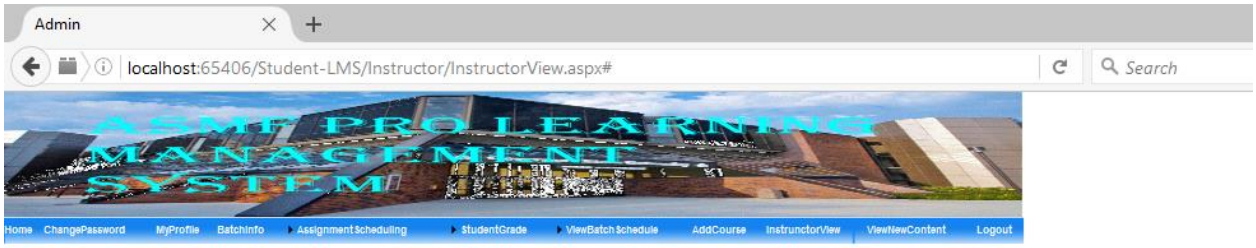

Admin
Ahmed Faraaz
localhost:63291/Project/Instructor/MyProfile.aspx#
ASMF PRO LEARNING MANAGEMENT SYSTEM
Home ChangePassword MyProfile BatchInfo AssignmentScheduling StudentGrade ViewBatchSchedule AddCourse ViewNewContent Logout
Instructor Profile
Instructor Name: faraaz
Qualification: MS
Gender: FeMale
Experience Req: 4-5
Designation: instructor
Address: 865 Glenlake Dr
Contact MailId: faraaz@gmail.com
Mobile: 91-6304783318
Phone: Not mentioned
Cancel


Admin
Ahmed Faraaz
localhost:63291/Project/Instructor/AssignmentScheduling.aspx#
ASMF PRO LEARNING MANAGEMENT SYSTEM
Home ChangePassword MyProfile BatchInfo AssignmentScheduling StudentGrade ViewBatchSchedule AddCourse ViewNewContent Logout
Assignment Scheduling
*Assignment Name:
*Description:
*HeadLineText:
*Grade: Select
*Available From:
mm/dd/yyyy
*Due Days:
*Last Submission:
mm/dd/yyyy
*Assignment Type: Select
*Student Name: Select
Insert


Admin
Ahmed Faraaz
localhost:63291/Project/Instructor/MaintainAssignmentScheduling.aspx#
ASMF PRO LEARNING MANAGEMENT SYSTEM
Home ChangePassword MyProfile BatchInfo AssignmentScheduling StudentGrade ViewBatchSchedule AddCourse ViewNewContent Logout
MaintainAssignmentScheduling Details
Action AssignmentName AssignmentType Grade AvailableFrom PreventLastSubmissions
DataBase2 MultipleChoice A 09/03/2016 09/23/2016 Edit
week 2 FillInTheBlanks A 05/03/2016 05/13/2016 Edit
week 5 FillInTheBlanks A 03/02/2016 03/10/2016 Edit
week 10 MultipleChoice A 10/03/2016 20/03/2016 Edit
1
Check All | Clear All | Delete Checked


Admin
Ahmed Faraaz
localhost:63291/Project/Instructor/StudentGrade.aspx#
ASMF PRO LEARNING MANAGEMENT SYSTEM
Home ChangePassword MyProfile BatchInfo AssignmentScheduling StudentGrade ViewBatchSchedule AddCourse ViewNewContent Logout
Student Grade
*Course Name: Select
*Instructor Name: Select
*Student Name: Select
*No Of Assignments:
*DueDate For Assignment:
mm/dd/yyyy
*Assignment Compleated/NotCompleated: Yes No
*Grade For Each Assignment: Select
*OverAll Grade:
Insert


Admin
localhost:65406/Student-LMS/Instructor/AddCourseContent.aspx#
Search
ViewBatchSchedule AddCourse InstructorView ViewNewContent Logout
File Upload
Desktop desktop
Search desktop
Organize New folder
This PC
Desktop
Documents
Downloads
Music
Name
Date modified
Type
SHUJA G FRM.pdf 3/23/2016 3:31 PM PDF Fi
SHUJAi-765.pdf 3/21/2016 11:30 PM PDF Fi
Tution Invoice.docx 3/25/2016 11:21 PM Micros
XEx11Reservation.zip 3/23/2016 2:47 PM zip Arc
File name: SHUJAi-765.pdf
All Files (*.*)
Open
Cancel
Browse...
SHUJAi-765.pdf
Short Description :
Upload



Assignment:

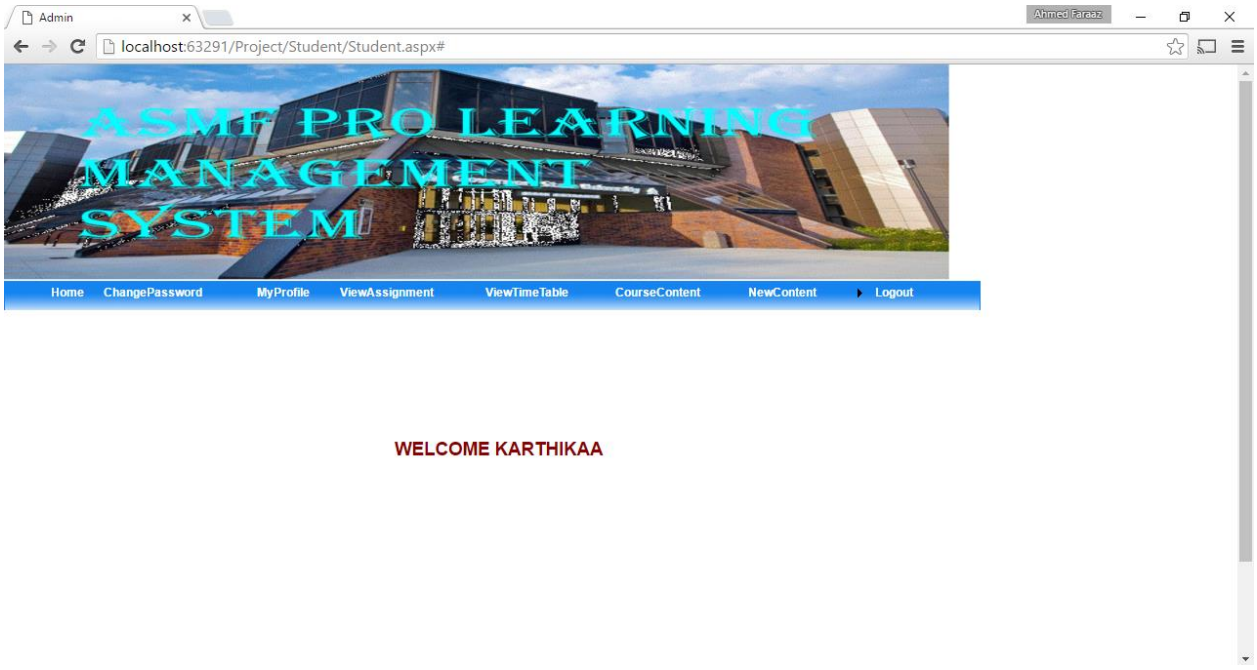
InstructorID	Instructor Name	File Name	Short Description	Uploaded Date	Action	Action
9	faraaz	g-1145.pdf	forms	5/4/2016 1:03:40 PM	Download	Delete
9	faraaz	SHUJA G FRM..pdf	Gform	5/5/2016 10:33:57 AM	Download	Delete

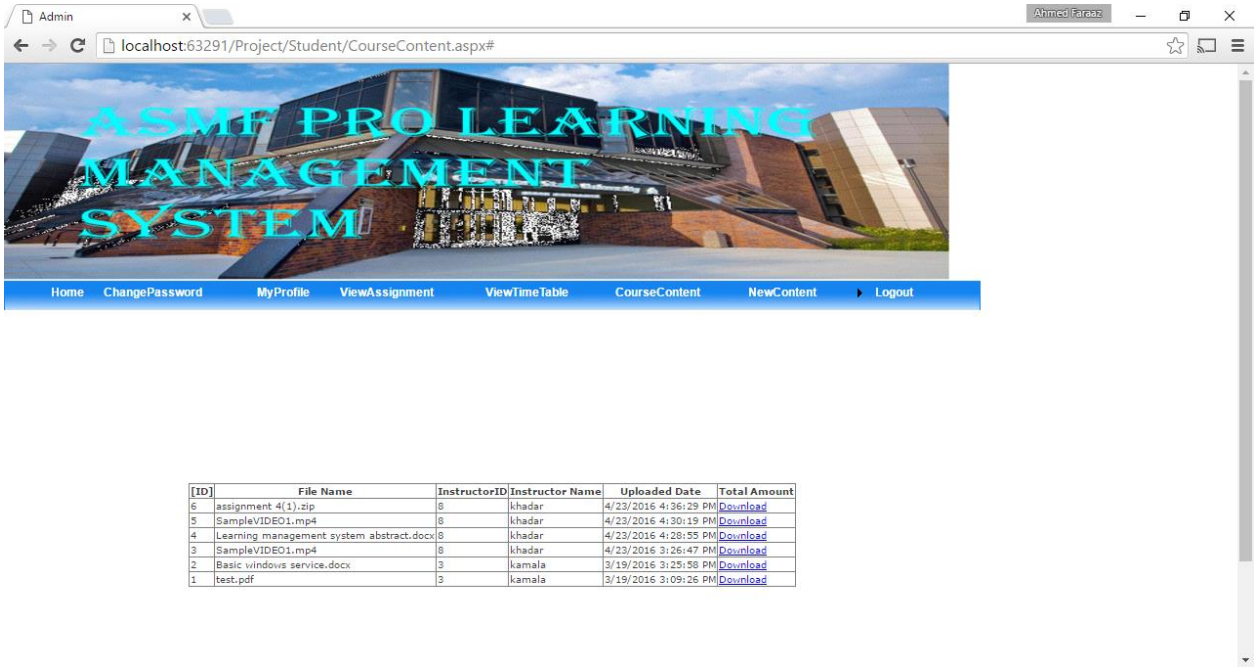
Lecture:

InstructorID	Instructor Name	File Name	Short Description	Uploaded Date	Action	Action
9	faraaz	Abstract Sp6.docx	abstract	5/4/2016 1:03:10 PM	Download	Delete
9	faraaz	Homework.doc	Assignment	5/5/2016 10:32:05 AM	Download	Delete

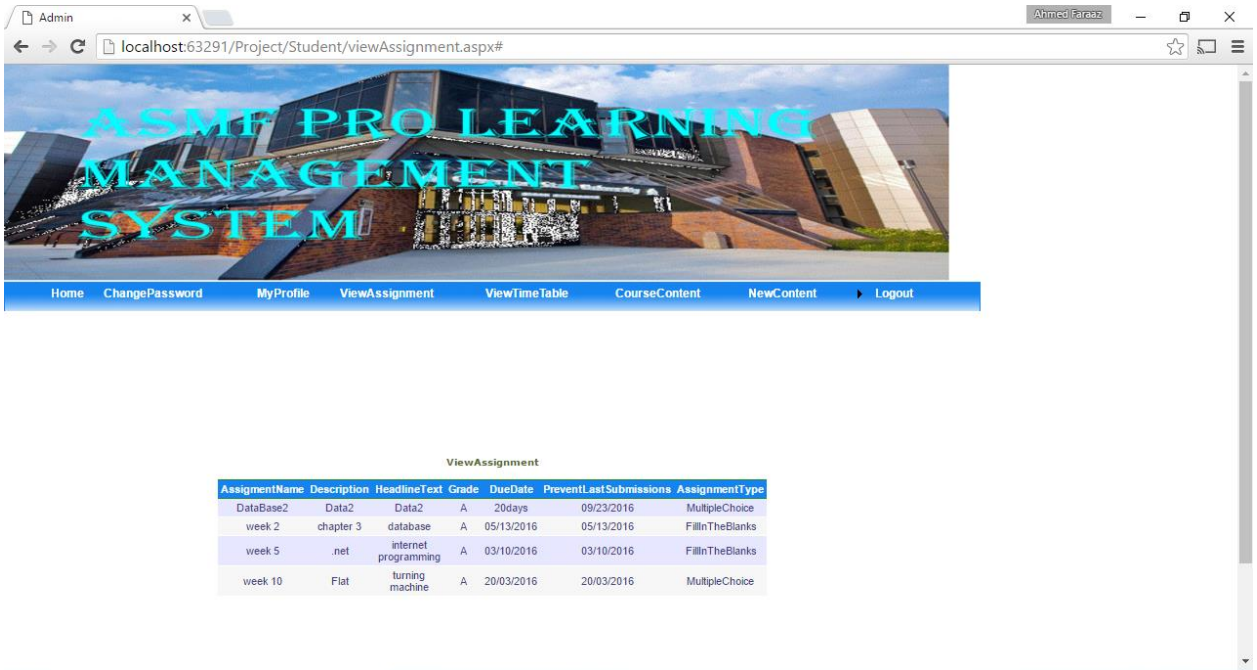
Videos/Audios

InstructorID	Instructor Name	File Name	Short Description	Uploaded Date	Action	Action
9	faraaz	SampleVIDEO	sample video	5/4/2016 1:50:06 PM	Download	Delete
9	faraaz	SampleVIDEO		5/4/2016 3:34:08 PM	Download	Delete
		Instructor2.mp				





[ID]	File Name	InstructorID	Instructor Name	Uploaded Date	Total Amount
6	assignment 4(1).zip	8	khadar	4/23/2016 4:36:29 PM	Download
5	SampleVIDEO1.mp4	8	khadar	4/23/2016 4:30:19 PM	Download
4	Learning management system abstract.docx	8	khadar	4/23/2016 4:28:55 PM	Download
3	SampleVIDEO1.mp4	8	khadar	4/23/2016 3:26:47 PM	Download
2	Basic windows service.docx	3	kamala	3/19/2016 3:25:58 PM	Download
1	test.pdf	3	kamala	3/19/2016 3:09:26 PM	Download

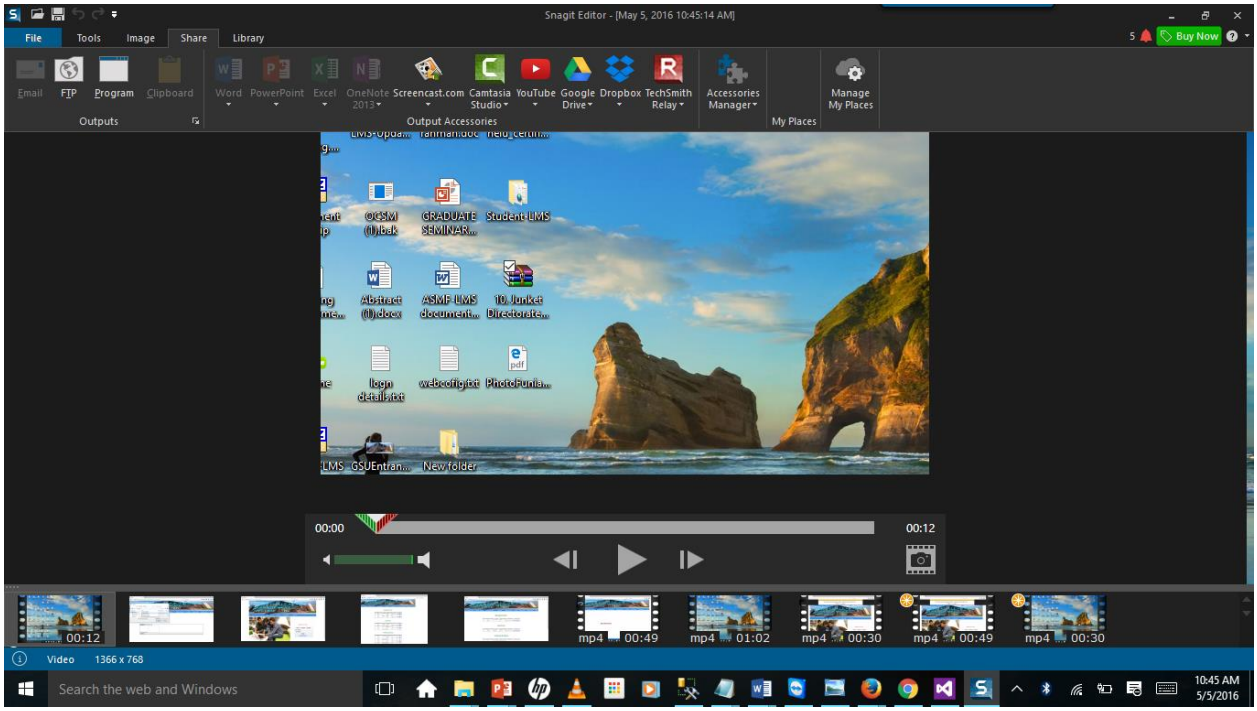


ViewAssignment

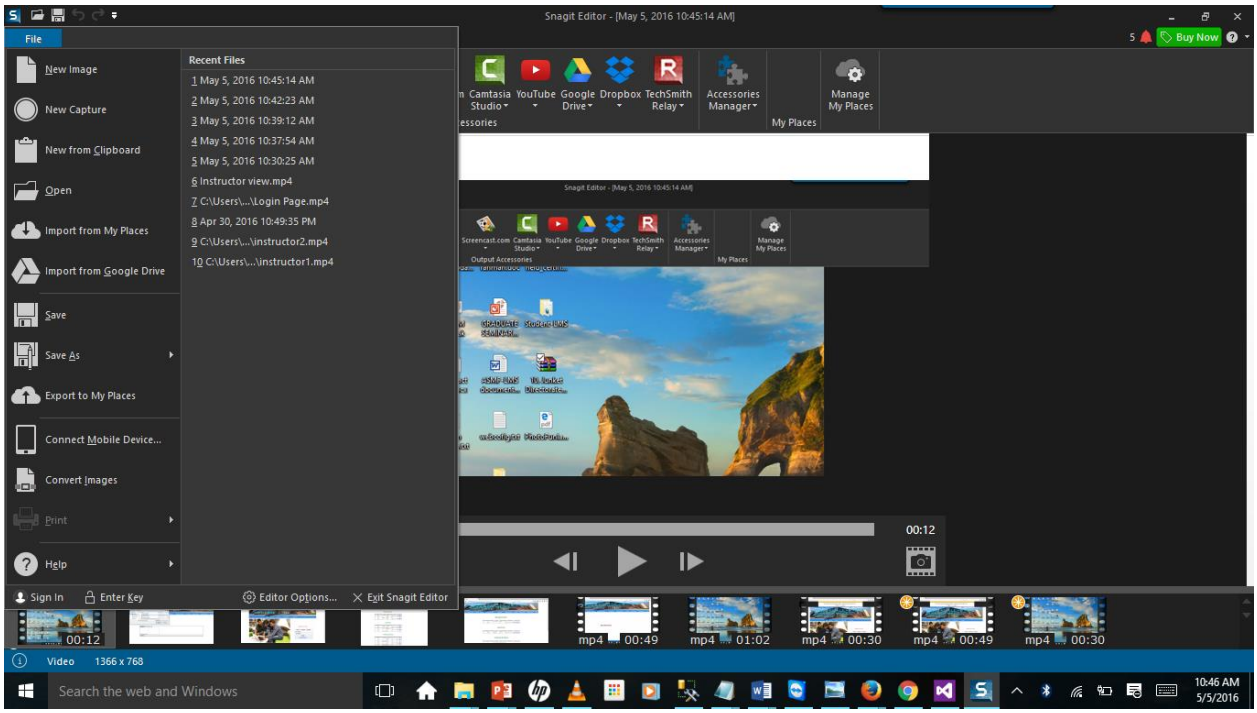
AssigmentName	Description	HeadlineText	Grade	DueDate	PreventLastSubmissions	AssignmentType
DataBase2	Data2	Data2	A	20days	09/23/2016	MultipleChoice
week 2	chapter 3	database	A	05/13/2016	05/13/2016	FillInTheBlanks
week 5	.net	internet programming	A	03/10/2016	03/10/2016	FillInTheBlanks
week 10	Flat	turning machine	A	20/03/2016	20/03/2016	MultipleChoice

HOW TO USE SNAGIT:

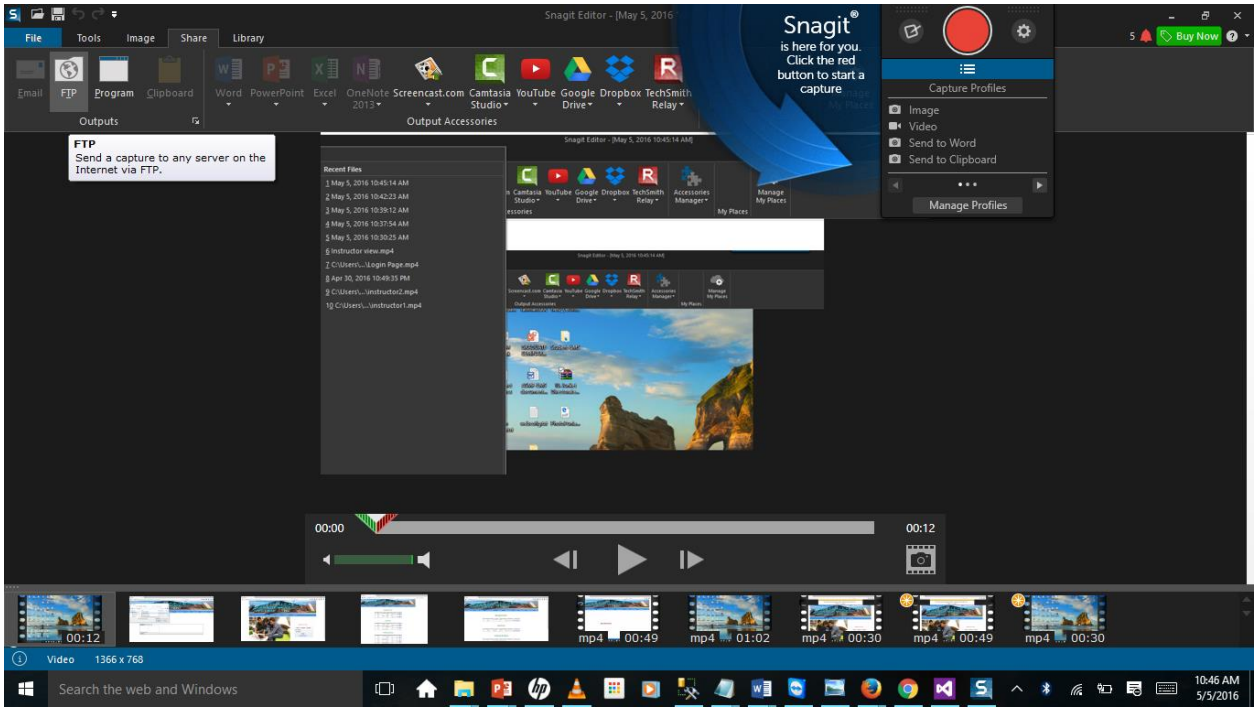
Step1: click snagit application.



Step2: Select options and file save and share.



Step 3: Start the Screen Capture Click on the red button.



9. CONCLUSION

It has been a great pleasure for us to work on this exciting and challenging project under Dr. Park. This project proved good for me as it provided practical knowledge of not only programming in ASP.NET and C#.NET web based application and some extent Windows Application and SQL Server database, but also about all handling procedure related with "LEARNERS SOJORUN". It also provides knowledge about the latest technology used in developing web enabled application and client server technology that will be great demand in future. This will provide better opportunities and guidance in future in developing projects independently.

10. BIBLIOGRAPHY

1) Smith, Tech. "SnagIt: The Ultimate Screen Capture Tool for Mac and Windows." TechSmith. N.P., 15 Apr. 1995. Web. 05 May 2016.

2) Software.Inc, Lucid. "Lucid chart." Lucid chart. N.P., 18 Feb. 1998. Web. 05 May 2016.

3) Smith, Tech. "Free Online Video Sharing With Screencast.com." TechSmith. N.P., 15 Apr. 1996. Web. 05 May 2016.

4) Professional C#, 2nd Edition, Simon Robinson, K. Scott Allen, Ollie Cornes, Jay Glynn, Zach Greenvoss, Burton Harvey, Christian Nagel, Morgan Skinner, Karli Watson, ISBN: 978-0-7645-4398-2 .

5) Steven Feuerstein, Bill Pribyl ., PL/SQL Programming, O'Reilly Media, 2014