

# Class Schedule System

*Report*

By

***Group 5***

Sai Teja Paluru (#02)

Veena Madhuri Yeruva (#04)

Bhavitha Sai Yendrathi (#18)

Jahnavi Kurra (#25)

Sai Swaroop Paladugu (#29)

# Class Schedule System

## **Abstract**

Generally, for assigning the presentation id for the students we use a manual process to get a random number which takes a lot of time. In order to save the time, we introduce the web application called 'Class Schedule System'.

Class schedule system is the application which is intended to be used by the students who enrolled in a class which involves presentation and group scheduling. This application is also designed for the professor to assign the presentations to the students according to their presentation ids. It reduces the manual work of the student and professor in assigning and scheduling the presentations and thus saves time. This application is very easy to understand and user-friendly.

## CONTENT

<b>Introduction-----</b>	<b>5</b>
<b>Testing user name/password-----</b>	<b>6</b>
<b>Special features-----</b>	<b>7</b>
<b>Lessons learned-----</b>	<b>8</b>
<b>Flow chart of Menus-----</b>	<b>9</b>
<b>Project Description-----</b>	<b>10-21</b>
<b>Code-----</b>	<b>23-27</b>
<b>Steps for development-----</b>	<b>28-29</b>
<b>Steps for deploying-----</b>	<b>30</b>
<b>Group Home page-----</b>	<b>31</b>
<b>Scope for future Enhancements-----</b>	<b>33</b>

## Introduction

‘Class Schedule System’ is the web application in .NET framework which is used for generating presentation id for the students and selection of a group in which they want to be in the project. This system easily provides a view for the students to know their scheduled class.

The other user for this application is professor. In this application, the professor can assign the presentations for the students. He can also perform update and view operations on the presentation details.

For this application the software requirements are:

Platform support: Windows 7 or advanced

Language : ASP.NET, HTML, CSS

Software : Visual Studio 2013

Database : db4o

## Testing user name or password

There are two types of users for this application. One is Student and another type of user is a professor. In order to login into the application, the user must enter the username, password and must select the class which they belong.

Login credentials for student:

- User name: Blackboard username (example user name: **rama**)
- Password: uhcl id (rama's password: **2345671**)

Login credentials for professor:

- User name: **admin**
- Password: **1234**

While logging into the application, user must select the class displayed in the drop down list.

## Special features of the project

Two types of users can login into this application one is student and the other one is a professor.

### Student login features:

- After login to the site, a student can get his/her presentation id. And this presentation id is unique. Only one student can get one number. The random number varies from 1 to the number of students in the class.
- This random number generation can be appeared only one time for every student. That means student cannot change his/her presentation id if once it assigns.
- In this application student can also select the group for doing project.
- This group has certain limitations according to the number of students in the class. For example, if there are 30 students then the number of groups may be 6 or 5 and the number of members in the group may be 5 or 6. According to the number of students the groups can be divided.
- Not only getting presentation id and group number the student can also view the details of his/her own presentations or presentation details of all the class members and group details.

### Admin login features:

- After login to the application admin can view his class schedule for the current semester.
- Admin can assign the presentation work to the students according to their presentation ids
- Admin can also update the presentation details like date, chapter, topic, page.
- In this application admin can delete any student's presentation if the student no more belongs to that class.
- Finally, admin can view the presentation details of all the students according to the class

## Lessons learned

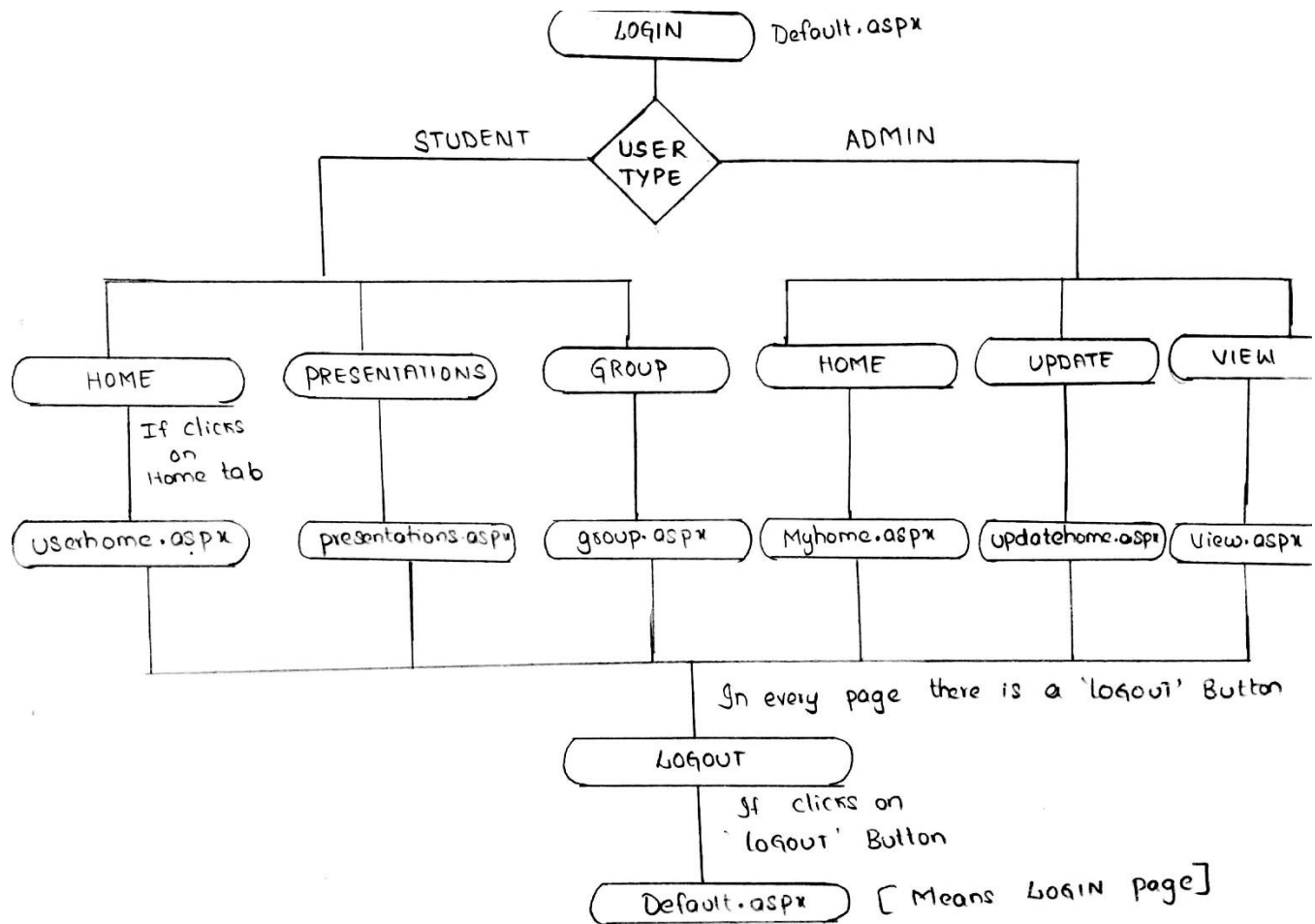
While implementing the project we learned a lot of things. Some of them are:

- How to gather the requirements for the system to implement?
- How to design, establish and publish a database in the web?
- Creating the objects and working with huge objects in DB4O.
- Storing data in the form of objects and also usage of sessions.
- Dealing with database failures and error handling.
- Handling issues of data inconsistency and memory allocation.
- Acquired knowledge on event handling and code optimization techniques while implementing in code behind.



## Flow chart of menus

In this application initially Default.aspx page that means login page appears. After login then it will navigate to either student home page or admin home page according to the login credentials. There are three tabs for student login and admin login.



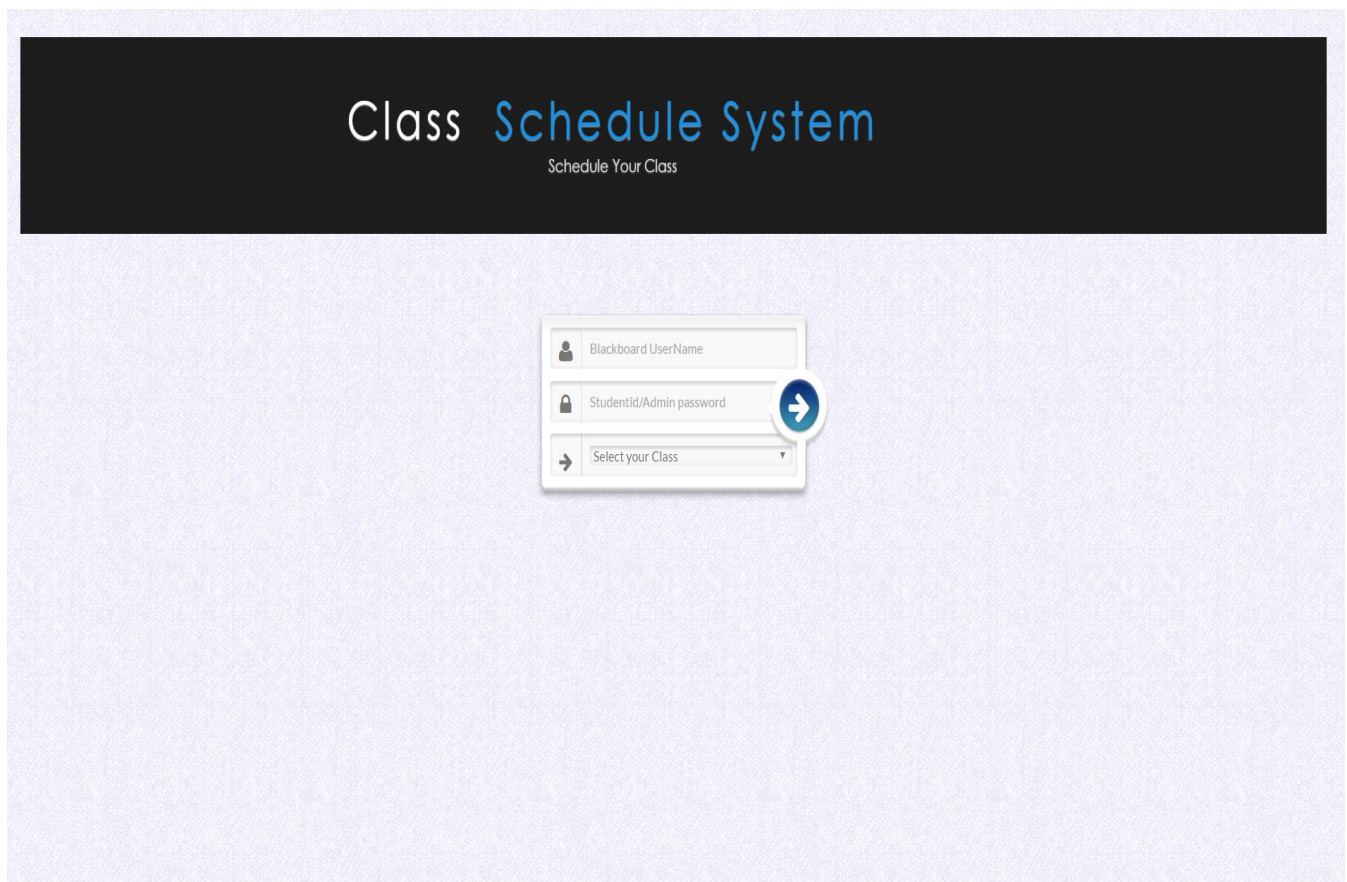
## Project Description

This application mainly consists of three pages. They are

- Login Page
- Student Home page
- Admin Home page

### Login page:

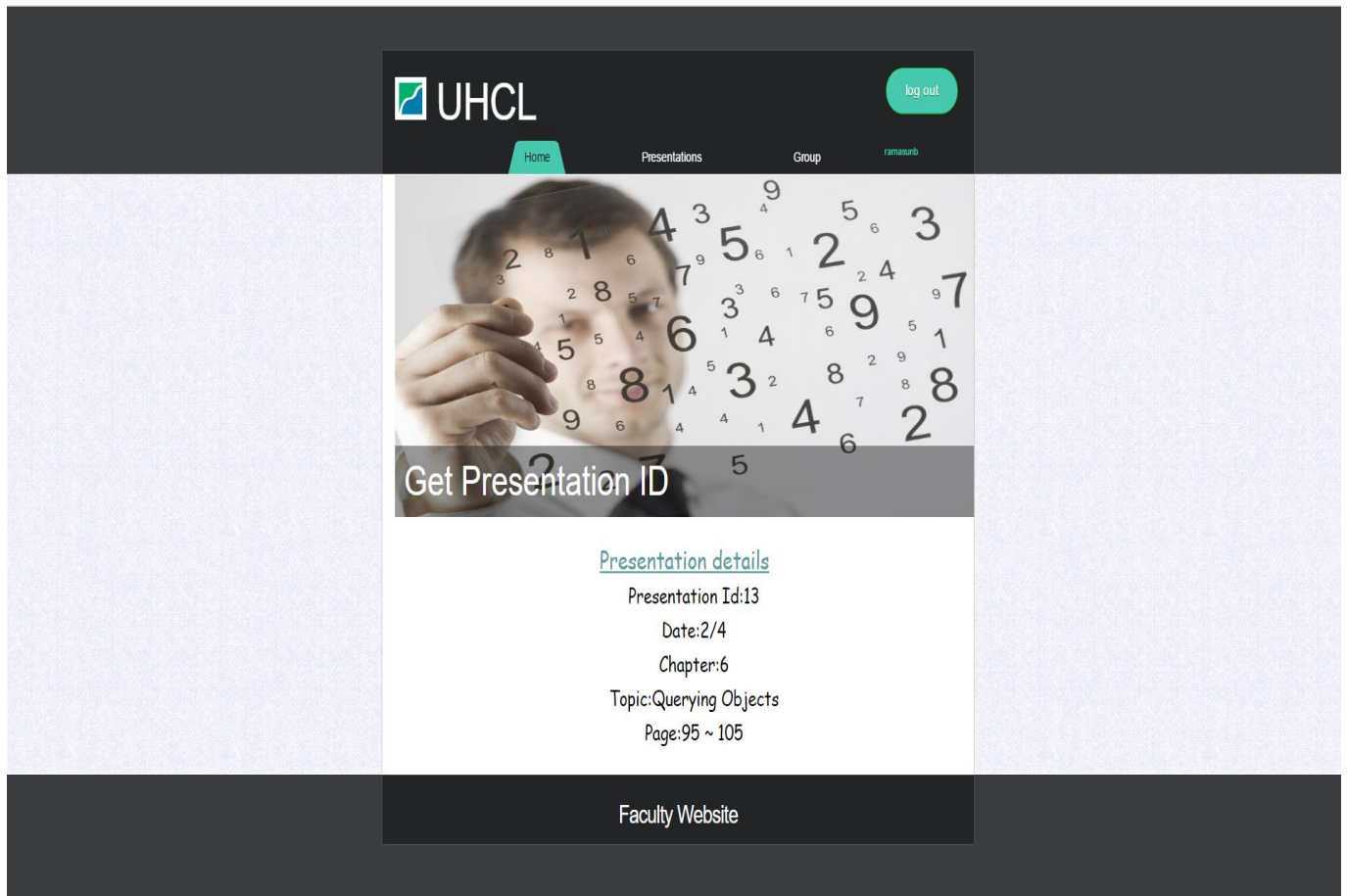
This is the page in which the user can login into the application. Here are some validations like if we enter wrong password or username it will display some message like ‘your password or user name is incorrect’.



## Student Home Page:

We can redirect to this page if we login with student credentials. In this page, we can see some tabs like Home, Presentations, Group. 'Home' contains the information regarding student's presentation like presentation id, date, chapter and topic on which the student have to give the presentation. 'Presentation' tab displays the presentations of all the students. 'Group' tab displays the group details. This will also contain a button called 'Logout' which redirects to login page.

### Home:



The screenshot displays the UHCL Student Home Page. At the top, there is a dark header bar containing the UHCL logo on the left, a 'log out' button on the right, and a navigation menu with tabs for 'Home', 'Presentations', and 'Group'. The 'Home' tab is currently selected. Below the header, the main content area features a large image of a student's hand holding a transparent sheet with numbers on it. Overlaid on this image is the text 'Get Presentation ID'. Below the image, the section is titled 'Presentation details' in blue. The details listed are: 'Presentation Id:13', 'Date:2/4', 'Chapter:6', 'Topic:Querying Objects', and 'Page:95 ~ 105'. At the bottom of the page, there is a dark footer bar with the text 'Faculty Website'.

## Presentations:


If the student logs in for the first time, then the application will display a button called get presentation id. If the student clicks on this button it will automatically generate a random number. This random number is unique and lies in the range from 1 to number of students in the class. A student can see this random number generation button 0exactly once. The generated random number is assigned as presentation id for that student.

The screenshot displays the UHCL Class Schedule System interface. At the top, there is a navigation bar with the UHCL logo, a 'log out' button, and links for 'Home', 'Presentations' (which is highlighted), 'Group', and 'veerayjorana'. Below the navigation bar, the main content area is titled 'Student Presentation Details'. A green button labeled 'Get Presentation Id' is positioned above a table. The table contains 21 rows of student presentation information, including student ID, presentation ID, chapter, section, page range, date, and day. At the bottom of the interface, there is a 'Faculty Website' link.

sno	presentationid	studentid	chapter	section	page	date	day
2		1359757	5	Quick Start	71 ~ 76	28	1
3	11	1414173	5	Quick Start	76+ ~ 85	28	1
4		1471543	5	Appx A Working ObjectManager	86 ~ 93	4	2
5	21	1234567	5	Appx A Working ObjectManager	426 ~ 433	4	2
6	13	2345671	6	Querying Objects	95 ~ 105	4	2
7	20	3456712	6	Querying Objects	105+ ~ 115	11	2
8		4567123	6	Querying Objects	115+ ~ 124	11	2
9		5671234	7	Working with Objects	125 ~ 134	11	2
10		6712345	7	Working with Objects	134+ ~ 144	18	2
11		7123456	7	Working with Objects	144+ ~ 157	18	2
12		1234568	7	Working with Objects	157+ ~ 167	18	2
13		2345681	7	Working with Objects	167+ ~ 179	25	2
14		3456812	7	Working with Objects	179+ ~ 193	25	2
15		4568123	8	Client/Server Mode	195 ~ 204	25	2
16		5681234	8	Client/Server Mode	204+ ~ 213	3	3
17		6812345	8	Client/Server Mode	214 ~ 222	3	3
18		8123456	9	Transactions	223 ~ 235	3	3
19		1234569	9	Transactions	235+ ~ 247	10	3
20		2345691	10	Configuration & Tuning	249 ~ 263	10	3
21		3456912	10	Configuration & Tuning	263+ ~ 275	10	3



If the user is not login for the first time, then they can see the presentation details only. They cannot see the button.


[log out](#)

[Home](#)
[Presentations](#)
[Group](#)
[ramasurb](#)

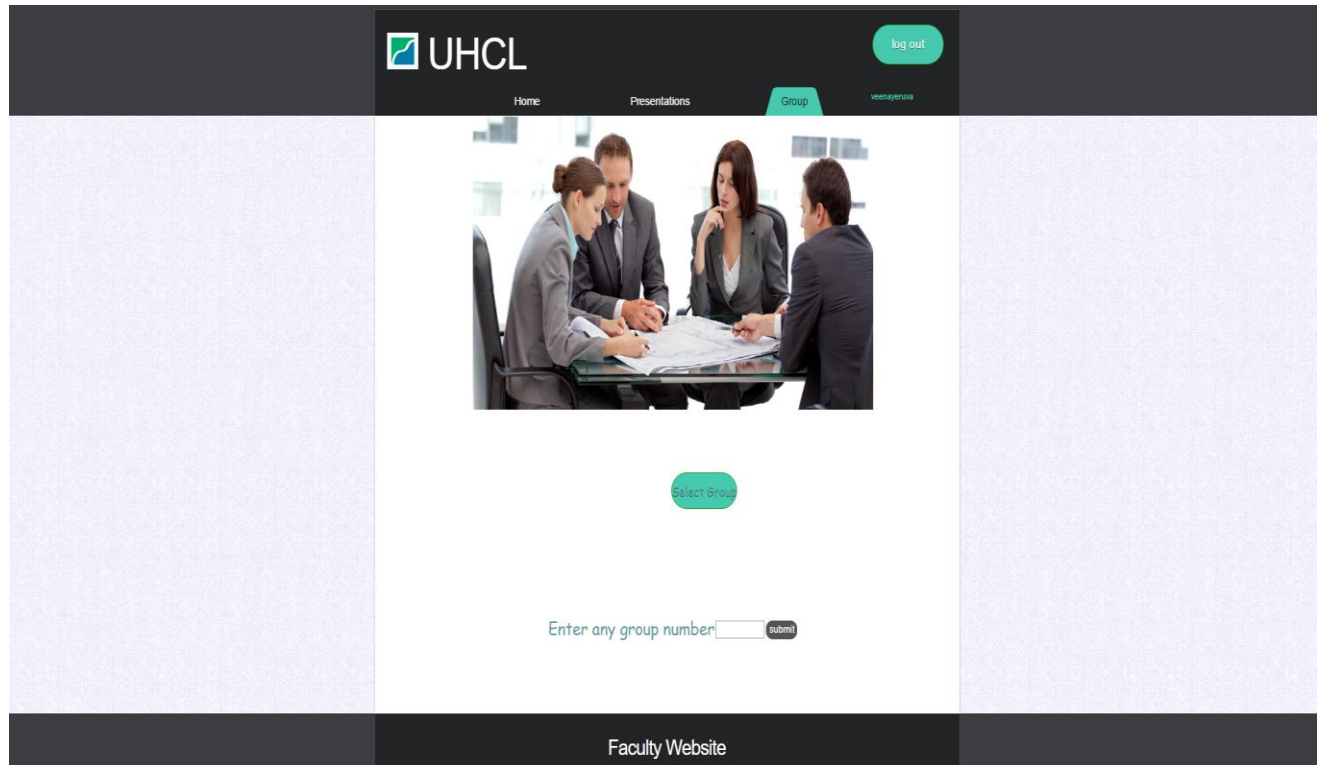
### Student Presentation Details

sno	presentationid	studentid	chapter	section	page	date	day
2		1359757	5	Quick Start	71 ~ 76	28	1
3	11	1414173	5	Quick Start	76+ ~ 85	28	1
4		1471543	5	Appx A Working ObjectManager	86 ~ 93	4	2
5	21	1234567	5	Appx A Working ObjectManager	426 ~ 433	4	2
6	13	2345671	6	Querying Objects	95 ~ 105	4	2
7	20	3456712	6	Querying Objects	105+ ~ 115	11	2
8		4567123	6	Querying Objects	115+ ~ 124	11	2
9		5671234	7	Working with Objects	125 ~ 134	11	2
10		6712345	7	Working with Objects	134+ ~ 144	18	2
11		7123456	7	Working with Objects	144+ ~ 157	18	2
12		1234568	7	Working with Objects	157+ ~ 167	18	2
13		2345681	7	Working with Objects	167+ ~ 179	25	2
14		3456812	7	Working with Objects	179+ ~ 193	25	2
15		4568123	8	Client/Server Mode	195 ~ 204	25	2
16		5681234	8	Client/Server Mode	204+ ~ 213	3	3
17		6812345	8	Client/Server Mode	214 ~ 222	3	3
18		8123456	9	Transactions	223 ~ 235	3	3
19		1234569	9	Transactions	235+ ~ 247	10	3
20		2345691	10	Configuration & Tuning	249 ~ 263	10	3
21		3456912	10	Configuration & Tuning	263+ ~ 275	10	3

Faculty Website


**Group:**

If the student logs in for the first time, then he/she can select the group number to do the project. There is a button called 'Select group'. If the student clicks that button, then it will show some details like limit of the group and number of groups. In that number, he/she has to choose the group number. If the selected group number does not cross the limit, then this student is added to that group.




The screenshot displays the 'Group' selection interface of the UHCL Faculty Website. The top navigation bar includes the UHCL logo, links for Home, Presentations, Group (highlighted), and a log out button. Below the navigation bar is a large image of four business professionals in a meeting. A green 'Select Group' button is centered below the image. At the bottom, there is a text input field labeled 'Enter any group number' followed by a 'submit' button. The footer of the page reads 'Faculty Website'.

After clicking the 'select group' button. The student enters the group number and clicks on submit to join in that group.



log out

HomePresentationsGroupwelcome



Select Group

The limit of the group is 6  
There are groups from 1 to 4  
Choose the group ID and fill it in the text box below

3

Submit

Enter any group number

submit

After selecting the group, the student may check other group members' details also by entering the group number in textbox appeared there and click on the button submit.



The limit of the group is 6  
There are groups from 1 to 4  
Choose the group ID and fill it in the text box below



Your group number is 3

Enter any group number


presentationid	uhclid	studentname	email	groupid
	1471543	veena yervu	yervuv@gmail.com	3
14	1405275	swaroop paladugu	paladugus@gmail.com	3





## Admin Home Page:

We can redirect to this page if the user is 'admin' and login with admin credentials. Admin Home Page also contains three tabs which are Home, Update, View. In 'Home' tab admin can see his schedule of classes for the current semester. In 'update' tab, admin can update the presentations. Finally, in 'View' tab admin can watch the presentation details of all the students in all his classes.

### Home:


[log out](#)

[Home](#)
[Update](#)
[View](#)

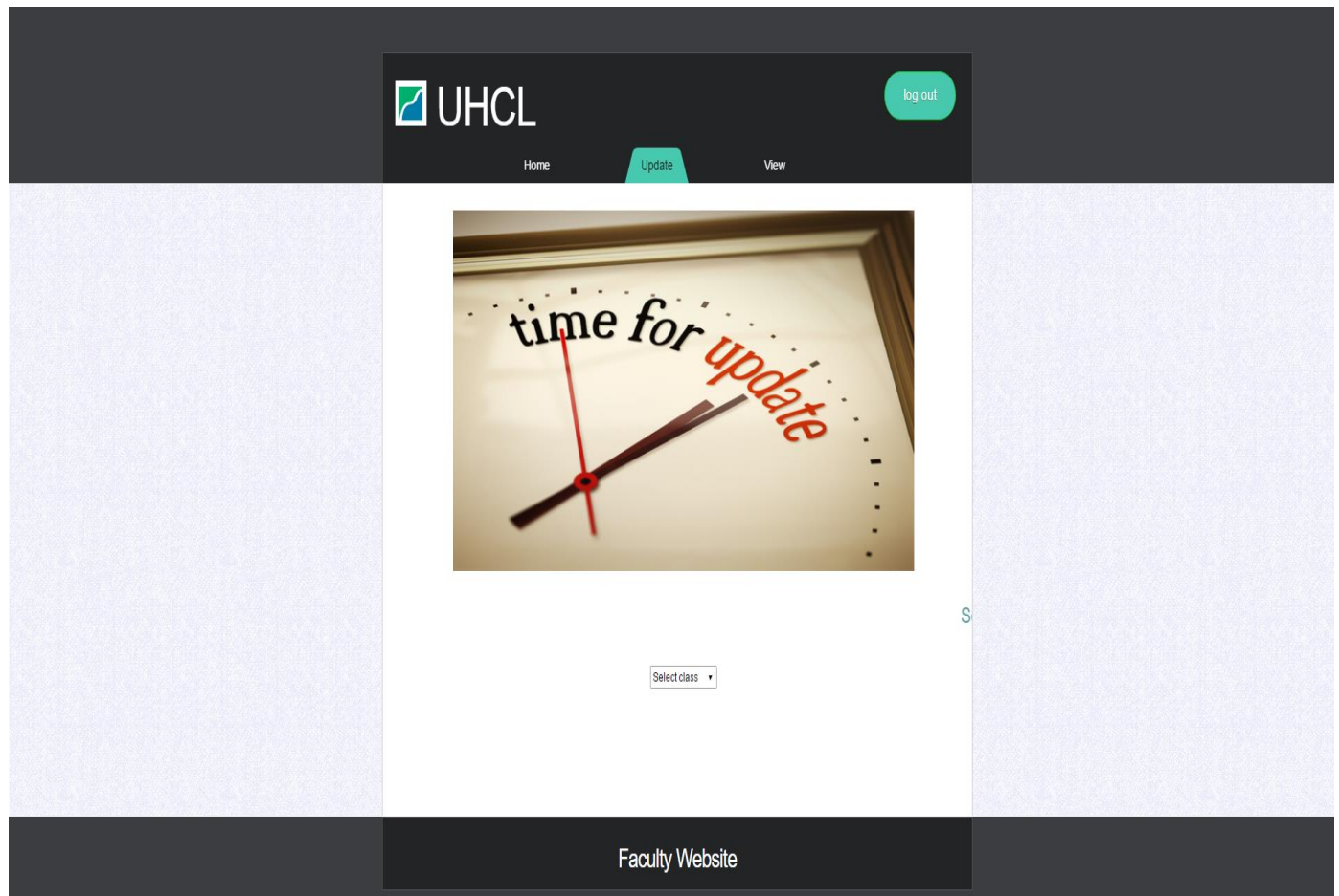
Schedule for this semester

class	Day	Time	Location
5433-1	Wednesday	4.00 PM - 6.50 PM	Delta-241
5433-2	Thursday	4.00 PM - 6.50 PM	Delta-243

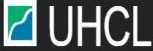
Faculty Website

**Update:**

In this tab first admin has to select the class from the drop down list.



After selecting the class, this application will display the tabular form of the presentation details of all the students that are present in that selected class. Not only that admin can also see two buttons in the last column of every row. Those buttons are 'Edit' and 'Delete'. If the admin clicks on 'Edit' button, then he can edit the presentation details of that particular student. With the 'Delete' button he can delete the presentation detail of that particular row.


[log out](#)

[Home](#)
[Update](#)
[View](#)

Class ID: cls\_5433\_1

PId	Chapter	Topic	Month	Date	Page	Modify
2	5	Quick Start	1	28	71 ~ 76	<a href="#">Edit</a> <a href="#">Delete</a>
3	5	Quick Start	1	28	76+ ~ 85	<a href="#">Edit</a> <a href="#">Delete</a>
4	5	Appx A Working ObjectManager	2	4	86 ~ 93	<a href="#">Edit</a> <a href="#">Delete</a>
5	5	Appx A Working ObjectManager	2	4	426 ~ 433	<a href="#">Edit</a> <a href="#">Delete</a>
6	6	Querying Objects	2	4	95 ~ 105	<a href="#">Edit</a> <a href="#">Delete</a>
7	6	Querying Objects	2	11	105+ ~ 115	<a href="#">Edit</a> <a href="#">Delete</a>
8	6	Querying Objects	2	11	115+ ~ 124	<a href="#">Edit</a> <a href="#">Delete</a>
9	7	Working with Objects	2	11	125 ~ 134	<a href="#">Edit</a> <a href="#">Delete</a>
10	7	Working with Objects	2	18	134+ ~ 144	<a href="#">Edit</a> <a href="#">Delete</a>
11	7	Working with Objects	2	18	144+ ~ 157	<a href="#">Edit</a> <a href="#">Delete</a>
12	7	Working with Objects	2	18	157+ ~ 167	<a href="#">Edit</a> <a href="#">Delete</a>
13	7	Working with Objects	2	25	167+ ~ 179	<a href="#">Edit</a> <a href="#">Delete</a>
14	7	Working with Objects	2	25	179+ ~ 193	<a href="#">Edit</a> <a href="#">Delete</a>
15	8	Client/Server Mode	2	25	195 ~ 204	<a href="#">Edit</a> <a href="#">Delete</a>
16	8	Client/Server Mode	3	3	204+ ~ 213	<a href="#">Edit</a> <a href="#">Delete</a>
17	8	Client/Server Mode	3	3	214 ~ 222	<a href="#">Edit</a> <a href="#">Delete</a>
18	9	Transactions	3	3	223 ~ 235	<a href="#">Edit</a> <a href="#">Delete</a>
19	9	Transactions	3	10	235+ ~ 247	<a href="#">Edit</a> <a href="#">Delete</a>
20	10	Configuration & Tuning	3	10	249 ~ 263	<a href="#">Edit</a> <a href="#">Delete</a>
21	10	Configuration & Tuning	3	10	263+ ~ 275	<a href="#">Edit</a> <a href="#">Delete</a>

Faculty Website

If the admin clicks on 'Edit' button he can edit the fields like Month, date, chapter, topic. After editing the fields by clicking on 'Update' button it will update the details of that particular row according to the presentation id.

The screenshot shows a web application interface for UHCL. The top navigation bar is dark grey with the UHCL logo on the left, a 'log out' button on the right, and three menu items: 'Home', 'Update' (which is highlighted with a teal tab), and 'View'. Below the navigation bar, the main content area is white. In the center, there is a form with the following fields: 'Month' with a dropdown menu showing '1', 'Date' with a text input showing '28', 'Chapter' with a dropdown menu showing '5', 'Topic' with a text input showing 'Quick Start', and 'Page' with a text input showing '71 ~ 76'. At the bottom of the form are two buttons: 'Update' and 'Cancel'. The footer of the page is dark grey and contains the text 'My Website'.



If the admin clicks on 'Delete' button, then it will display an alert message that admin really wants to delete the particular presentation details. If he clicks 'Ok' then the record will be delete from the information.


The screenshot shows a web application interface. At the top, there is a navigation bar with the UHCL logo and links for Home, Update, and View. Below the navigation bar, the text "Class ID: cls\_5433\_1" is displayed. A table with 7 columns (PId, Chapter, Topic, Month, Date, Page, Modify) lists 21 records. Each record has an "Edit" button and a "Delete" button. A confirmation dialog box is open, asking "Are you sure? Do you want to delete the record?" with "OK" and "Cancel" buttons. The "log out" button is also visible in the top right corner.

PId	Chapter	Topic	Month	Date	Page	Modify
2	5	Quick Start	1	28	71 ~ 76	Edit Delete
3	5	Quick Start	1	28	76+ ~ 85	Edit Delete
4	5	Appx A Working ObjectManager	2	4	86 ~ 93	Edit Delete
5	5	Appx A Working ObjectManager	2	4	426 ~ 433	Edit Delete
6	6	Querying Objects	2	4	95 ~ 105	Edit Delete
7	6	Querying Objects	2	11	105+ ~ 115	Edit Delete
8	6	Querying Objects	2	11	115+ ~ 124	Edit Delete
9	7	Working with Objects	2	11	125 ~ 134	Edit Delete
10	7	Working with Objects	2	18	134+ ~ 144	Edit Delete
11	7	Working with Objects	2	18	144+ ~ 157	Edit Delete
12	7	Working with Objects	2	18	157+ ~ 167	Edit Delete
13	7	Working with Objects	2	25	167+ ~ 179	Edit Delete
14	7	Working with Objects	2	25	179+ ~ 193	Edit Delete
15	8	Client/Server Mode	2	25	195 ~ 204	Edit Delete
16	8	Client/Server Mode	3	3	204+ ~ 213	Edit Delete
17	8	Client/Server Mode	3	3	214 ~ 222	Edit Delete
18	9	Transactions	3	3	223 ~ 235	Edit Delete
19	9	Transactions	3	10	235+ ~ 247	Edit Delete
20	10	Configuration & Tuning	3	10	249 ~ 263	Edit Delete
21	10	Configuration & Tuning	3	10	263+ ~ 275	Edit Delete

Faculty Website

## View:

In this tab, admin can view the presentation details of all the students according to the class chosen.


[log out](#)

[Home](#)
[Update](#)
[View](#)

▼ Click to view details of Class 1

sno	presentationid	studentid	chapter	section	page	date	day
2		1359757	5	Quick Start	71 ~ 76	28	1
3	11	1414173	5	Quick Start	76+ ~ 85	28	1
4		1471543	5	Appx A Working ObjectManager	86 ~ 93	4	2
5	21	1234567	5	Appx A Working ObjectManager	426 ~ 433	4	2
6	13	2345671	6	Querying Objects	95 ~ 105	4	2
7	20	3456712	6	Querying Objects	105+ ~ 115	11	2
8		4567123	6	Querying Objects	115+ ~ 124	11	2
9		5671234	7	Working with Objects	125 ~ 134	11	2
10		6712345	7	Working with Objects	134+ ~ 144	18	2
11		7123456	7	Working with Objects	144+ ~ 157	18	2
12		1234568	7	Working with Objects	157+ ~ 167	18	2
13		2345681	7	Working with Objects	167+ ~ 179	25	2
14		3456812	7	Working with Objects	179+ ~ 193	25	2
15		4568123	8	Client/Server Mode	195 ~ 204	25	2
16		5681234	8	Client/Server Mode	204+ ~ 213	3	3
17		6812345	8	Client/Server Mode	214 ~ 222	3	3
18		8123456	9	Transactions	223 ~ 235	3	3
19		1234569	9	Transactions	235+ ~ 247	10	3
20		2345691	10	Configuration & Tuning	249 ~ 263	10	3
21		3456912	10	Configuration & Tuning	263+ ~ 275	10	3

► Click to view details of Class 2

Faculty Website

## Code

Default.aspx.cs:

```
using System;
```

```
using System.Collections.Generic;
```

```
using System.Linq;
```

```
using System.Web;
```

```
using System.Web.UI;
```

```
using System.Web.UI.WebControls;
```

```
using Db4objects.Db4o;
```

```
using Db4objects.Db4o.Query;
```

```
public partial class _Default : System.Web.UI.Page
```

```
{
```

```
    String querystr;
```

```
    IObjectContainer db = Db4oHttpModule.Client;
```

```
        Person p = new Person (null, null, null, null, null, null, null, 0, null, null, 0, 0, 0, 0);
```

```
        p.uhclid = uhclid;
```

```
        DataSet ds = new DataSet();
```

```
protected void Page_Load(object sender, EventArgs e)
{

}

protected void submiteventbutton(object sender, EventArgs e)
{

    loginUser();
}

private void loginUser()
{

    try
    {
        IObjectSet result = db.Get(p);
        foreach (Person find in result)
        {
            if (find.uhclid == uhclid) /* -----Checking for id -----*/
            {
                Name = (find.firstname + " " + find.lastname);

            }

        }
    }
}
```



```
querystr = "";

while (reader.HasRows && reader.Read())
{
    name = reader.GetString(reader.GetOrdinal("stufirstname")) + " " +
reader.GetString(reader.GetOrdinal("stulastname"));
}
if (reader.HasRows)
{
    Session["uname"] = name;

    Response.BufferOutput = true;*/
string cls = ddlclass.SelectedItem.Text;
string tlcls = "logindetails_" + cls;

int usertype = Convert.ToInt32(ds.Tables[0].Rows[0]["usertype"]);
string fname = Convert.ToString(ds.Tables[0].Rows[0]["stufirstname"]);
string lname = Convert.ToString(ds.Tables[0].Rows[0]["stulastname"]);
string fullname = fname + lname;
int stuid = Convert.ToInt32(ds.Tables[0].Rows[0]["uhclid"]);

if (p.usertype == 1)
{
    Session["uname"] = fullname;

    Session["lname"] = lname;
```

```
        Session["fname"] = fname;

        Response.Redirect("Myhome.aspx");
    }
    else if (p.usertype == 2)
    {
        Session["uname"] = fullname;

        Session["lname"] = lname;

        Session["fname"] = fname;

        Session["stuid"] = stuid;

        Session["clsid"] = cls;

        Response.Redirect("Userhome.aspx");
    }
    else
    {
        check.Text = "no user";
    }
}
else
{
    dong.Text = "***** Your user name or password is incorrect *****";
}

/* }
```

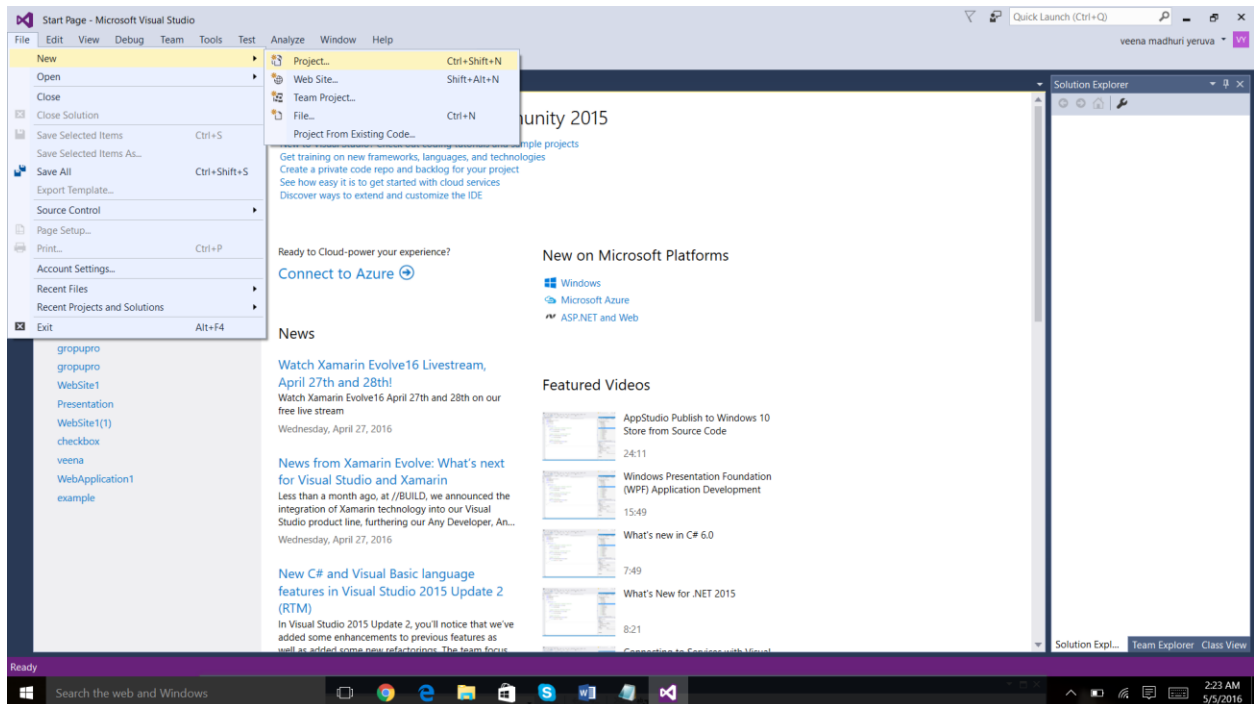
```
        else
        {
            check.Text = "invalid user";
        }
        reader.Close();*/
    }

    finally
    {
        db.Close();
    }
}
}
```

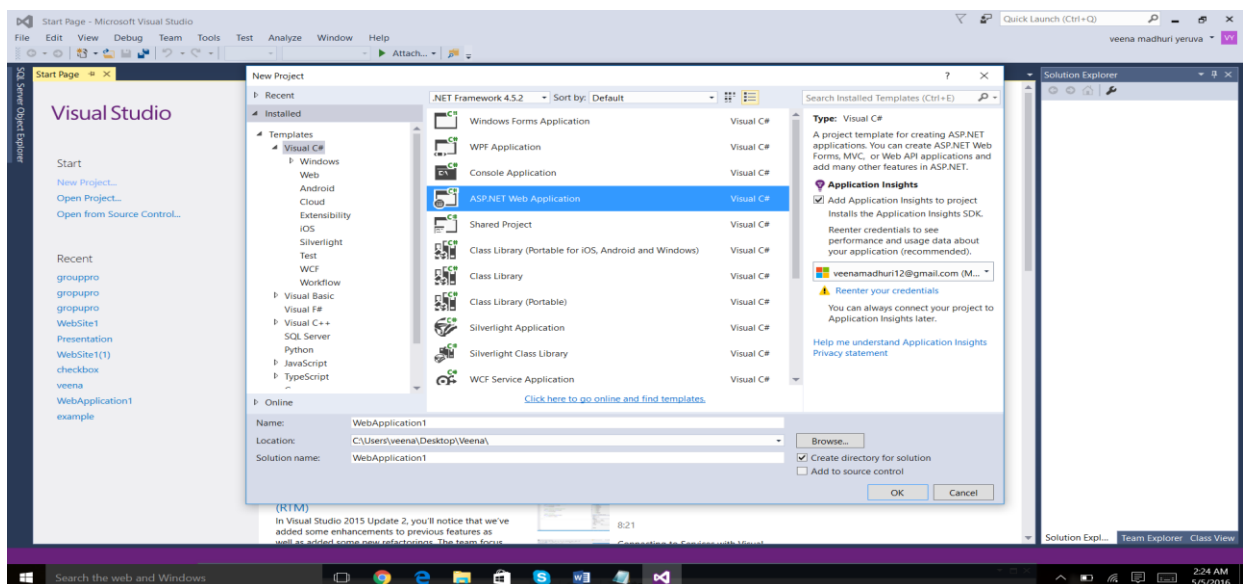
## Steps for development

In order to develop an application using .NET frame work we must install visual studio. This may be any version like visual studio 2013 or higher.

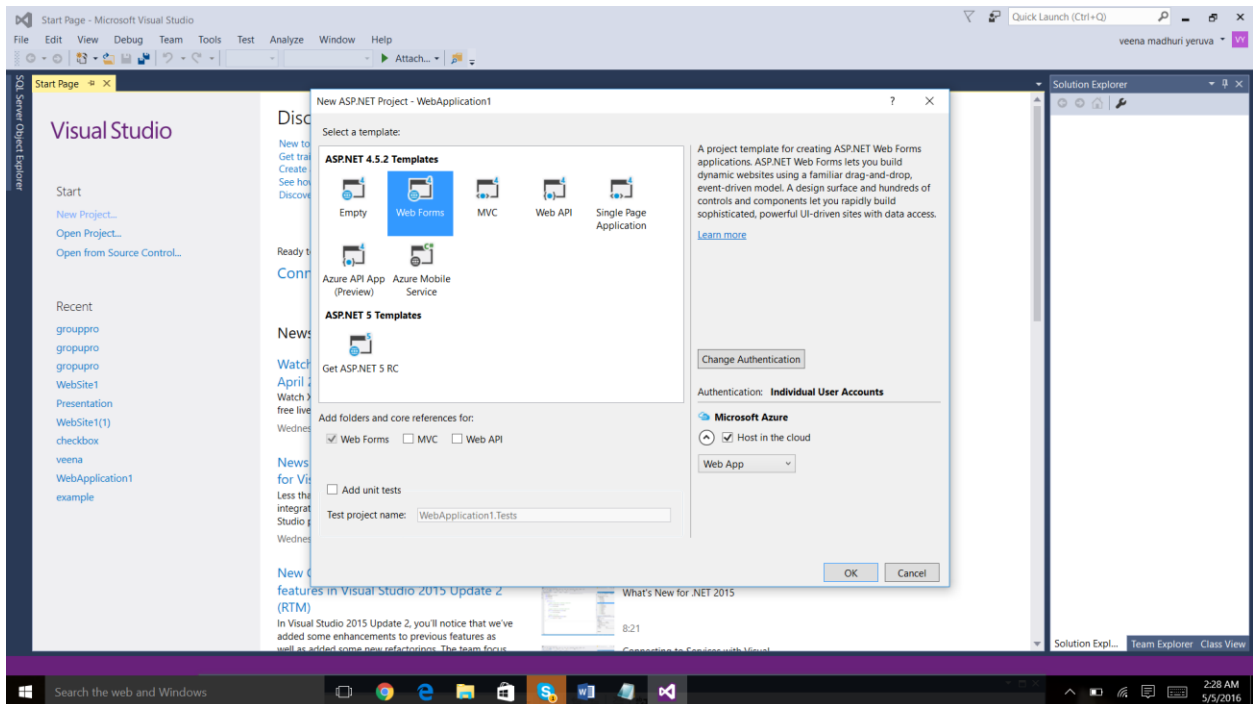
1. First we have to go to **start** → **visual studio 2013** → **File** → **New** → **project**



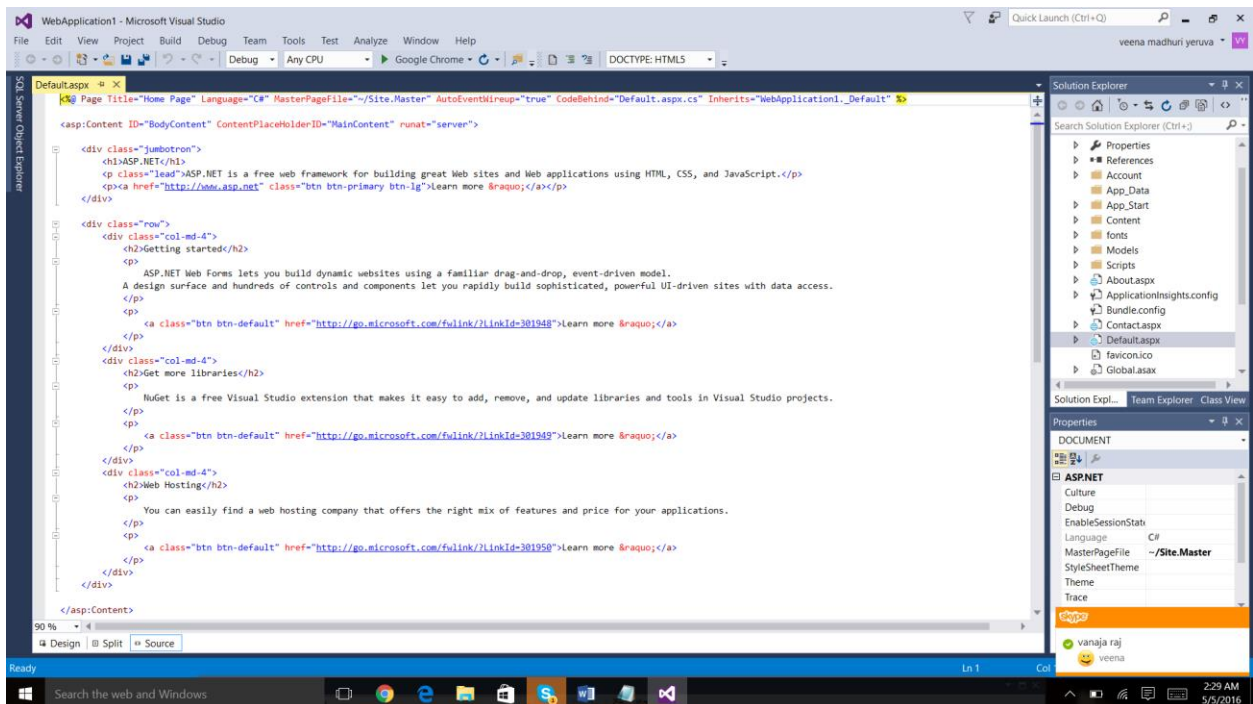
2. Then a menu will appear. In that select visual c # and ASP.NET web application



3. Again click on web forms and click on 'ok'.



4. Then write your code in that project



## Steps for deploying the project

To deploy the web application, all the configuration about the web server should be configured using the publish menu. Select the project solution name, right click and select publish menu item. The publish web dialog will then open. Configure the web server name as DCM Server and go to the connection tab to input the publish method as FTP, Server address pointing to the given web DCM server at uhcl.edu, give user login details and finally give the destination URL to open after publishing the web application. The user can click on validate connection button to test if the connection is successful with the given configuration settings.

After all the settings are given a click on the publish button to publish the web application. If the hosting is successful then it opens the website URL and displays the contents designed using the ASP.NET. If there are any issues with the coding or hosting, then the URL returns an error code. Most of the issues can be easily found using the error code. The developer can also verify if the hosting is successful by going to the FTP path and check manually if it contains all the necessary files under pages folder.


## Group Home Page

# GROUP #5

## CLASS SCHEDULE SYSTEM

[ABOUT US](#)[PROJECT](#)[GROUP DIARY](#)[CONCEPTUALIZATION](#)


### ABOUT US



**JAHNAVI KURRA**

presentation-Id: 25  
Email Id: Kurraj9004@uhol.edu


[READ MORE](#)



**BHAVITHA SAI YENDRATHI**

presentation-Id: 18  
Email Id: YendrathiB8246@uhol.edu


[READ MORE](#)



**VEENA MADHURI YERUVA**

presentation-Id: 4  
Email Id: Yeruvav7634@uhol.edu


[READ MORE](#)



**SAI TEJA PALURU**

presentation-Id: 2  
Email Id: Palurus3707@uhol.edu

[READ MORE](#)



**SAI SWAROOP PALADUGU**

presentation-Id: 29  
Email Id: PaladuguS8600@uhol.edu

[READ MORE](#)

© GROUP-5, OODB PROJECT.



Group home page contains some details of group members like their images, name, presentation id, email id. For each member, there is a link called 'READ MORE' which gives additional information about the member.

This page also contains other links like the project, group diary, conceptualization. If we click on the project, it will redirect us to the project. The link group diary shows us the information of work done by the team members. The conceptualization link tells us about the project and its working. Actually, when we click on this link it will download some word document which contains all the information regarding the project.

#### Group diary page:

PROJECT DIARY	
Date	WORK IN DETAIL
FEB 17TH	Project abstract finalized.
FEB 25TH	Roles assigned to team members.
MAR 3RD	Requirements analysis and gathering.
MAR 10TH	Database Design and building
MAR 17th	Designing of static webpages (part-1)
MAR 24TH	Designing of static webpages (part-2)
MAR 31ST	Database Connectivity
APR 7TH	Setting validations
APR 14TH	Testing the valid and invalid cases



## **Scope for future enhancement**

In future we can implement this web application as mobile application. And we can also implement some additional features like registration of students for the class.