**Lab Instructions and Solution for Module- 4: Course Assign and Showing this Course of our Grading System Project**

**Objectives**

After completing this module you will be able to:

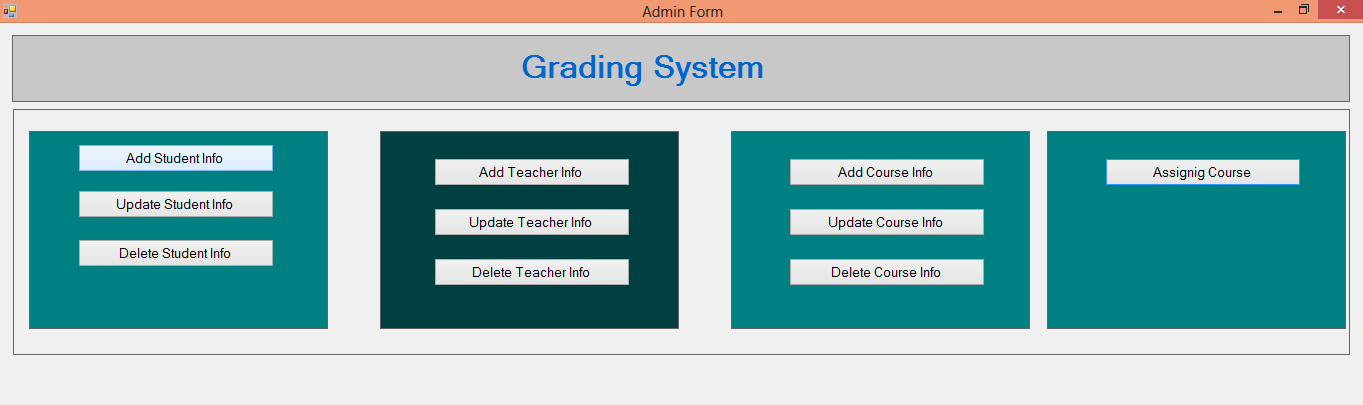
* After login, Admin assign courses for the teacher
* After login, Teacher see assign courses
* Teacher see create tutorial option, tutorial marks entry option of student’s

**Task 1: Design of Assign Course and Creating a table based on our project**

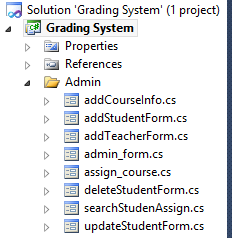
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1. After Admin login he/she see the following option(Fig-1).you design the following UI(Fig-1).This form name is **admin\_form.cs** which create in Admin folder(Fig-2).

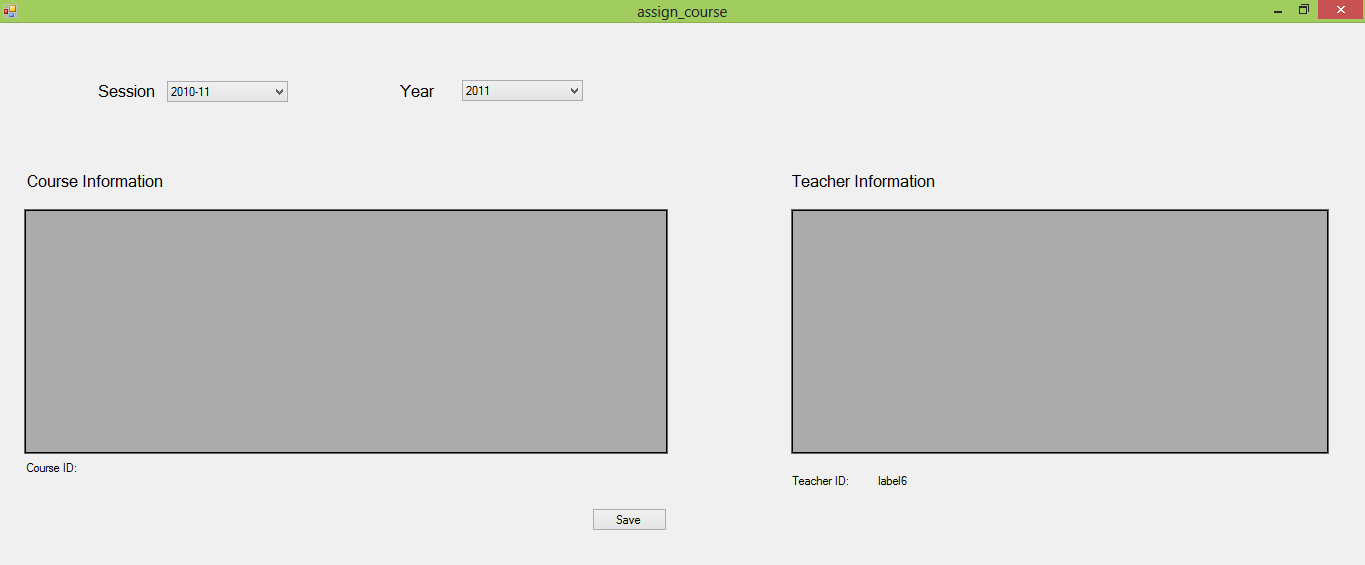
**1**



**2**



1. Now we click Assining Course Button(Fig-1) and see the following design which you will make(Fig-3).This form name is **assign\_course.cs** which create in Admin folder (Fig-2). Here we drag two dataGridView in assign\_course form.



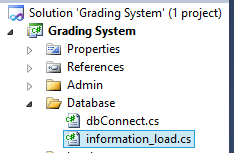
courseidL

teacheridLB

**3**

1. Now select all Course Information and Teacher Information from **course\_info** and **teacher\_info** table which create in **gradingsystem\_db** database in previous module.

For this work,Create a class file name is **information\_load.cs** which create in Database folder(Fig-4) and write the following code for dataGridview,Get Teacher Id & Course Id



**4**

class information\_load

{

MySqlConnection con = Database.dbConnect.Initialize();

int returnid;

string returnvalue;

public void datagridview\_load(String query, DataGridView dgv)

{

try

{

con.Open();

MySqlCommand cmd = new MySqlCommand(query, con);

DataTable dataTable = new DataTable();

using (MySqlDataAdapter da = new MySqlDataAdapter(cmd))

{

da.Fill(dataTable);

}

dgv.MultiSelect = false;

dgv.SelectionMode = DataGridViewSelectionMode.FullRowSelect;

dgv.DataSource = dataTable;

dgv.DataMember = dataTable.TableName;

dgv.Refresh();

}

catch (Exception ex)

{

MessageBox.Show(string.Format("An error occured {0}", ex.Message), "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

finally

{

if (con != null)

con.Close();

}

}

public int get\_id(string query)

{

try

{

con.Open();

MySqlCommand cmd = new MySqlCommand(query, con);

MySqlDataReader reader = cmd.ExecuteReader();

if (reader.Read())

{

returnid = Convert.ToInt32(reader.GetString(0));

}

reader.Close();

con.Close();

return returnid;

}

catch (Exception ew)

{

MessageBox.Show("Error occured .Message - " + ew.Message, "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

con.Close();

return returnid;

}

}

}

1. Now we doble click on assign\_form and write the following code

Database.dbConnect dbo = new Database.dbConnect();

Database.information\_load il = new Database.information\_load();

private void assign\_course\_Load(object sender, EventArgs e)

{

sessionCB.SelectedIndex = 0;

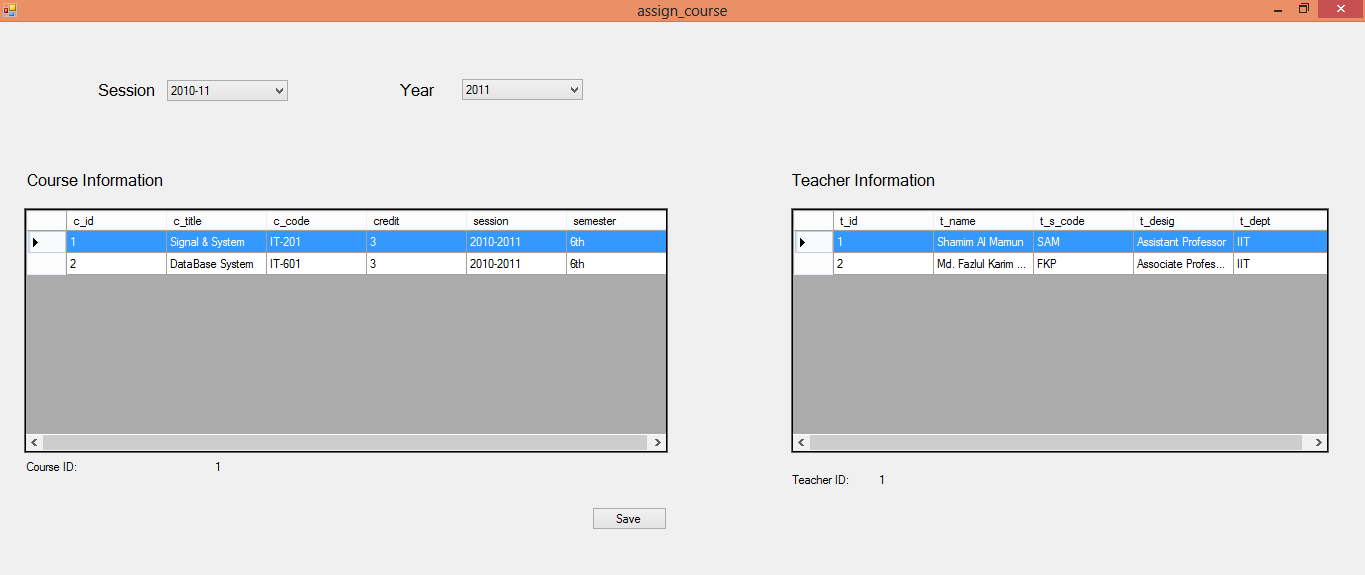
yearCB.SelectedIndex = 0;

il.datagridview\_load("SELECT `c\_id`, `c\_title`, `c\_code`, `credit`, `session`, `semester` FROM `course\_info`", courseDGV);

il.datagridview\_load("SELECT `t\_id`, `t\_name`, `t\_s\_code`, `t\_desig`, `t\_dept` FROM `teacher\_info`", teacherDGV);

}

1. After doing this we will see the following picture(Fig-5)



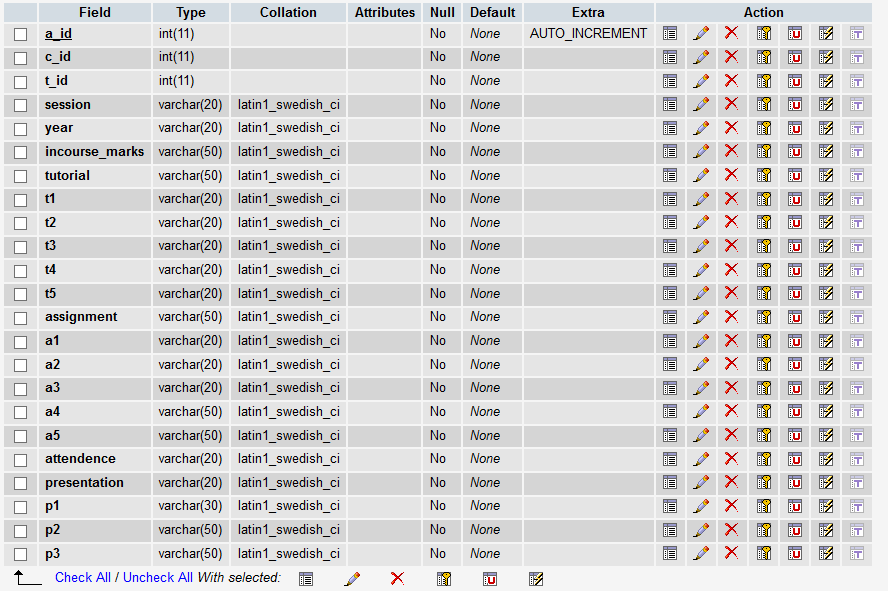
teacherDGV

V

courseDGV

**5**

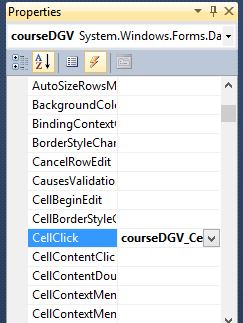
1. Now we will go to the Phpmyadmin and create table as name “**course\_assign\_info**” and Field name like this(Fig-6).



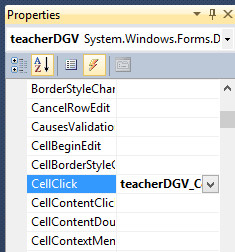
**6**

1. Now we select dataGridView cell for select Course Information and Teacher Information.For this reason we will go to dataGridView properties and select Events.

For Course Information(Fig-) and Teacher Information(Fig-). Double click on the Cell Click and write the following code .



Events



private void courseDGV\_CellClick(object sender, DataGridViewCellEventArgs e)

{

courseidL.Text = courseDGV[0, e.RowIndex].Value.ToString();

}

private void teacherDGV\_CellClick(object sender, DataGridViewCellEventArgs e)

{

teacheridLB.Text = teacherDGV[0, e.RowIndex].Value.ToString();

}

1. Now we work with Save Button(Fig-5).After select Course and Teacher Information We save this information in the database which table name is “**course\_assign\_info**”

private void saveB\_Click(object sender, EventArgs e)

{

if (courseidL.Text == "" || teacheridLB.Text == "") {

MessageBox.Show("Please select at least one course and one teacher");

return;

}

string query = "INSERT INTO `gradingsystem\_db`.`course\_assign\_info` (`a\_id`, `c\_id`, `t\_id`, `session`, `year`) VALUES (NULL, '"+courseidL.Text+"', '"+teacheridLB.Text+"', '"+sessionCB.SelectedItem+"', '"+yearCB.SelectedItem+"');";

dbo.Insert(query);

int aid = il.get\_id("SELECT max( a\_id ) FROM `course\_assign\_info` ");

string create\_query = "CREATE TABLE IF NOT EXISTS `gradingsystem\_db`.`" + aid + "` (`s\_e\_roll` INT NOT NULL)";

dbo.Insert(create\_query);

}