**Edit Project Method:**

1. int flag = getFlag();

2. if (projectPagePNumBox.Text == "")

3. MessageBox.Show("please enter Project Number");

4. projectNum = projectPagePNumBox.Text;

projectDesc = projectPageDescriptionBox.Text;

projectDueDates = projectPageDueDateBox.Text;

projectPhase = projectPagePhaseBox.Text;

projectDeliverables = projectPageDeliverablesBox.Text;

projectHours = (int)projectPageHoursBox.Value;

projectStatus = projectPageStatusBox.Text;

conn.Open();

5. if (flag == 1)

6. String upDateProject = ("UPDATE Project SET description = '" + projectDesc + "', dueDate = '" + projectDueDates + "', prjPhase = '" + projectPhase + "', deliverables = '" + projectDeliverables + "', hoursNeeded = " + projectHours + ", prjStatus = '" + projectStatus + "' WHERE prjNo = '" + projectNum + "';");

MySqlCommand cmd = new MySqlCommand(upDateProject, conn);

cmd.ExecuteNonQuery();

MessageBox.Show("Project Changed");

7. else if (flag == 0)

8. string prj = null;

String getPrjDup = "SELECT prjNo FROM Project WHERE prjNo = '" + this.projectNum + "';";

MySqlCommand cmd1 = new MySqlCommand(getPrjDup, this.conn);

MySqlDataReader reader = cmd1.ExecuteReader();

9. while (reader.Read())

10. prj = reader.GetString("prjNo");

11. reader.Close();

12. if (prj != null)

13. MessageBox.Show("Duplicate Project");

14. String addProject = ("INSERT INTO Project (prjNo, prjLeader, description, prjPhase, dueDate, deliverables, hoursNeeded, prjStatus)" + "VALUES ('" + projectNum + "', " + "'" + eID + "', '" + projectDesc + "', '" + projectPhase + "', '" + projectDueDates + "', '" + projectDeliverables + "', '" + projectHours + "', '" + projectStatus + "');");

MySqlCommand cmd = new MySqlCommand(addProject, conn);

cmd.ExecuteNonQuery();

MessageBox.Show(addProject);

MessageBox.Show("Project Added");

15. Console.WriteLine("ISSUE WITH EDIT PROJECT! FLAG PASSED INCORRECT VALUE.");

**EditMyHours Method:**

1. empHours = -1;

2. empHours = int.Parse(hoursBox.Text);

3. Console.WriteLine(ex.Message);

4. if (empHours >= 0)

5. MessageBox.Show("Invalid Input");

6. conn.Open();

MySqlCommand cmd = new MySqlCommand("UPDATE Employee SET hoursAvail = '" + empHours + "'WHERE employeeID = '" + this.eID + "';", conn);

Console.WriteLine(cmd.ExecuteNonQuery());

conn.Close();

MessageBox.Show("Hours Updated");

**EditVacation Method:**

1. string startDate = newStartDate.Text;

string endDate = newEndDate.Text;

conn.Open();

string dupId = null;

String getVacDup = "SELECT employeeID FROM Vacation WHERE employeeID = '" + this.eID + "' AND startDate = '" + startDate + "';";

MySqlCommand cmd1 = new MySqlCommand(getVacDup, this.conn);

MySqlDataReader reader = cmd1.ExecuteReader();

2. while (reader.Read())

3. dupId = reader.GetString("employeeID");

4. if (dupId != null)

5. MessageBox.Show("Duplicate Vacation");

6. MySqlCommand cmd = new MySqlCommand("INSERT into Vacation VALUES(" + eID + ", '" + startDate + "','" + endDate + "');", conn);

Console.WriteLine(cmd.ExecuteNonQuery());

MessageBox.Show("Vacation Days Created");

7. conn.Close();

**GetAdmin method:**

1. Boolean isAdmin = false;

int result = 0;

conn.Open();

MySqlCommand cmd = new MySqlCommand("SELECT admin FROM Employee WHERE employeeID = '" + this.eID + "';", conn);

MySqlDataReader reader = cmd.ExecuteReader();

2. while (reader.Read())

3. result = reader.GetInt16("admin");

4. conn.Close();

5. if(result == 1)

6. isAdmin = true;

7. return isAdmin;

**Login Method:**

1. email = emailBox.Text;

password = passwordBox.Text;

2. conn.Open();

3. Console.WriteLine(ex.Message);

4. string getLogin = "SELECT employeeID FROM Employee WHERE email = '" + email + "' AND pssword = '" + password + "';";

MySqlCommand cmd = new MySqlCommand(getLogin, this.conn);

MySqlDataReader reader = cmd.ExecuteReader();

5. while (reader.Read())

6. eID = reader.GetInt16("employeeID");

7. if (eID == null)

8. MessageBox.Show("Not valid login");

9. Console.WriteLine("Logged in");

10. conn.Close();

return eID;