Informatics College Pokhara



Application Development

CS6004NA

Coursework 1

|  |  |  |
| --- | --- | --- |
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| Group: | L3C1 | Module Name |
| Date: | 10-Jan-2020 | Application Development |

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# 1. Introduction

This is our first coursework of Application Development. The coursework asks to develop a desktop application in Visual Studio using C# as programming language. The application needs to be a student and student information system and retrieving, to and from a .dat file as well as a .csv file respectively. It can also add data manually. The application can generate a daily report, weekly report and weekly chart according to the visit records. The application must allow the user to input the student personal detail including registration date so that a system can generate a weekly enrolment report of the student. The system provides details like Name, address, contact no,email,program enrol, registration date and daily wage amount of the employee. This application is made to systemize the records of students details, program enrol and registration date.

## 2 . Current Scenario

The current data storing methods used by schools in Nepal are most likely manual system: writing data in registers. Introducing digitalized system make things much easier for the students, organizations and its employees.

Recently, the Kantipur school in Kathmandu has invested in creating Record Desktop application to store information of the students and their records and an android application that provides organization with student information about and details in school as well as the organization itself. This way the school has had easy storing records and information and generating reports for analysing.

## 3. Description

This desktop application can be used in schools and educational organizations. Its objective is to generate reports on daily and weekly basis as well as weekly chart representing the weekly report. The application must allow the user to input the student personal detail including registration date so that a system can generate a weekly enrolment report of the student. The system provides details like Name, address, contact no,email,program enrol, registration date and daily wage amount of the employee The reports are generated using the data provided/input by the user. The data include students personal information such as name, address, contact no, etc.

# 4. User Manual

1. Running the application opens log in menu

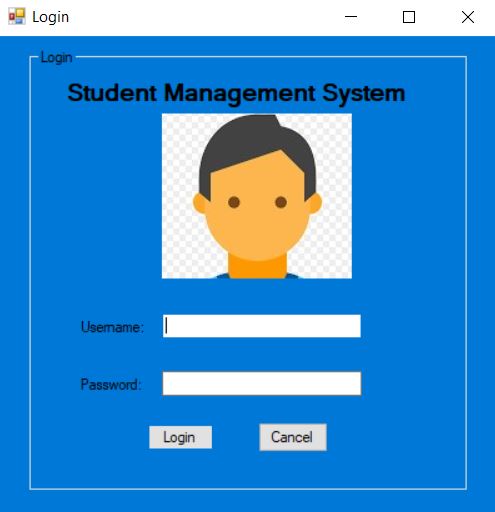


Figure Login

2. Running Application show wrong login user id

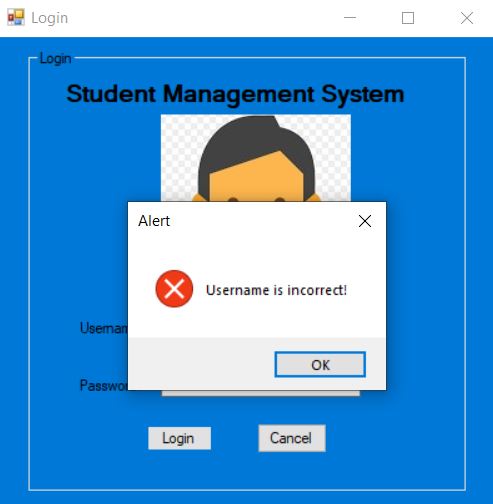


Figure Username

3. Application shows successful login

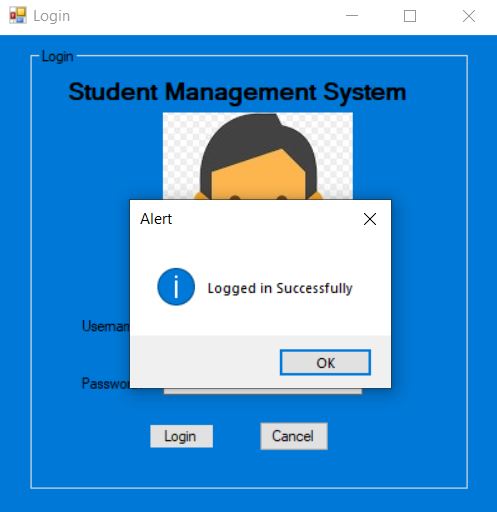


Figure login succesful

3. Running the application opens the Home page of an application.

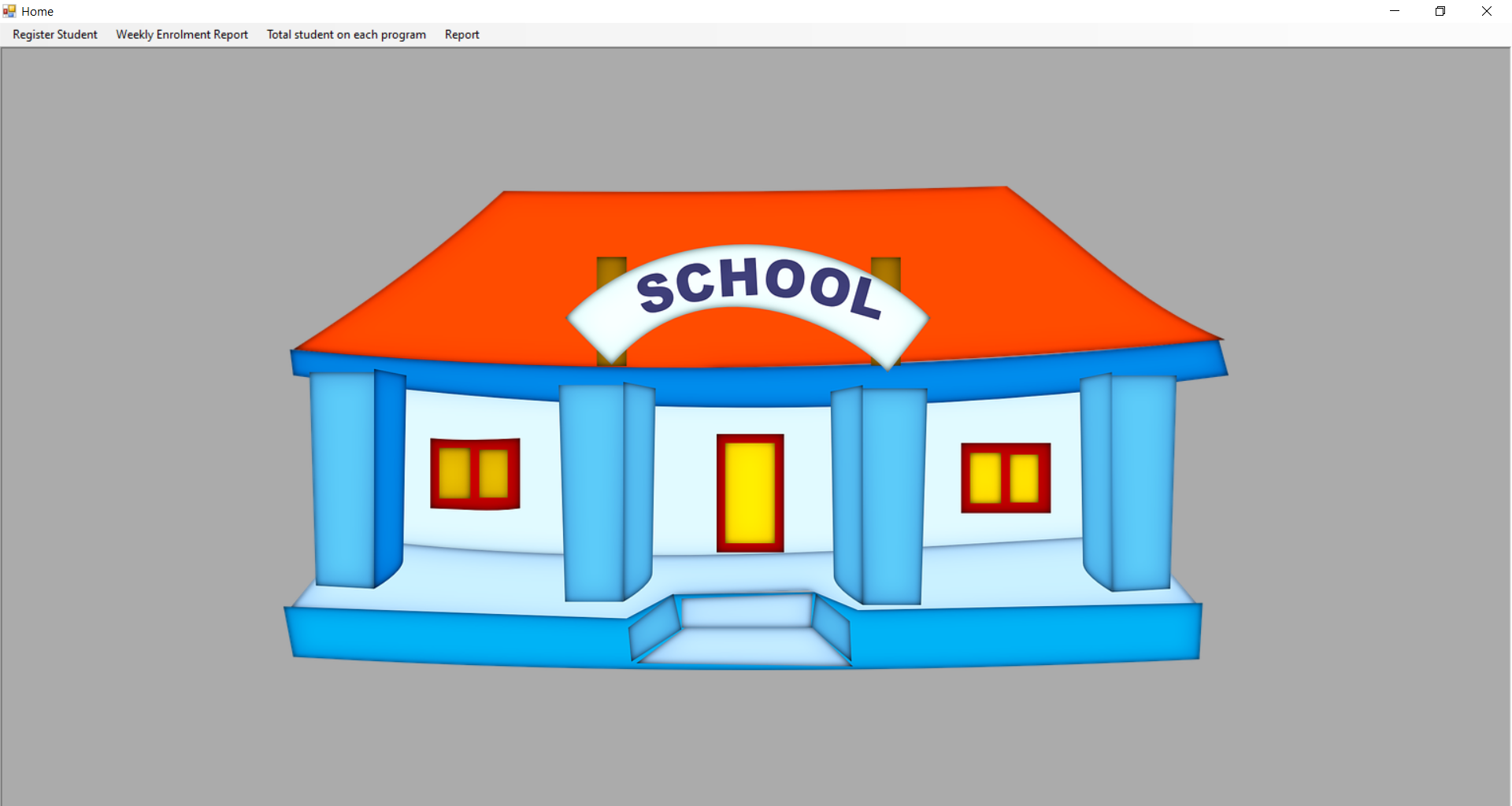


Figure Home page

4. Click on register student to see students' data.

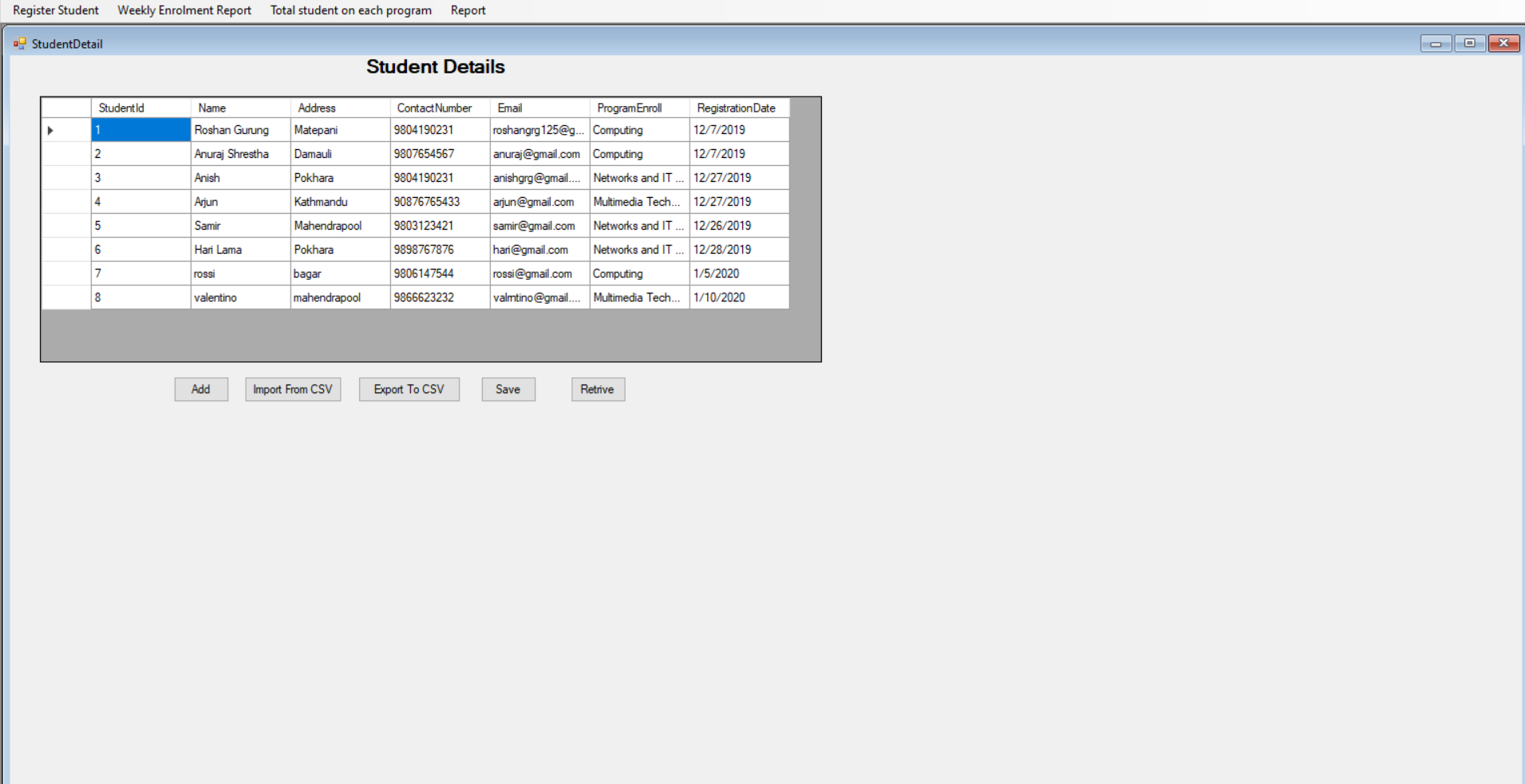


Figure Student details

5. Click Add to open Register Visitor Form.

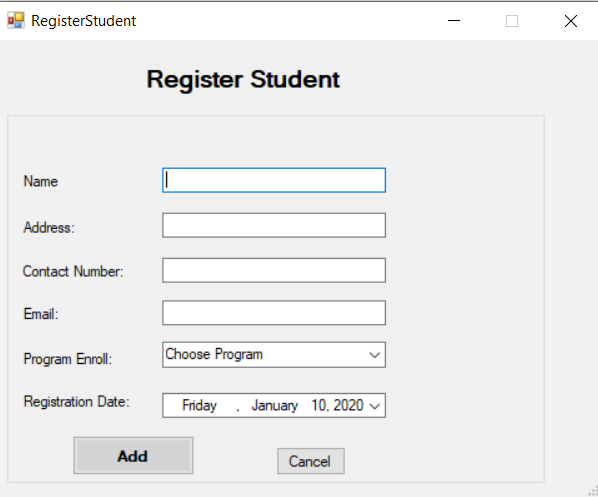


Figure Register student

6. Click on weekly to see weekly reports' data.

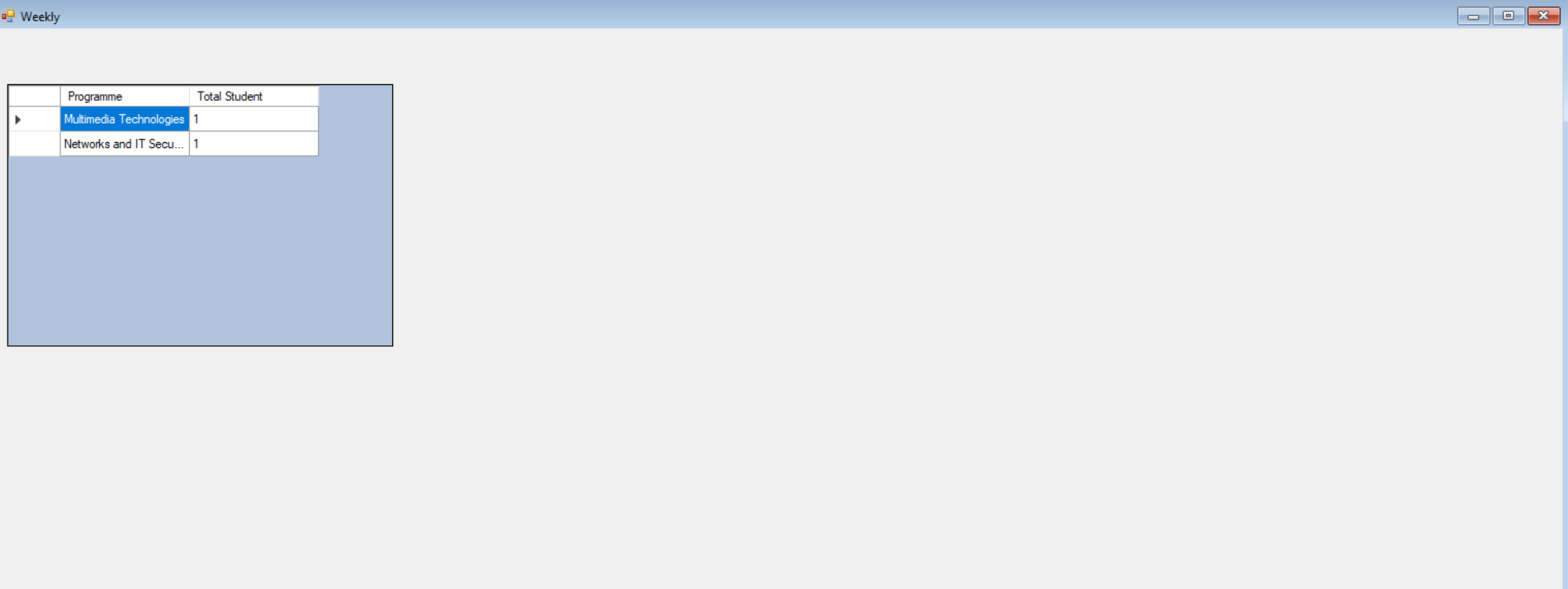


Figure Weekly report

7. Click on total number of student on each program to view student chart

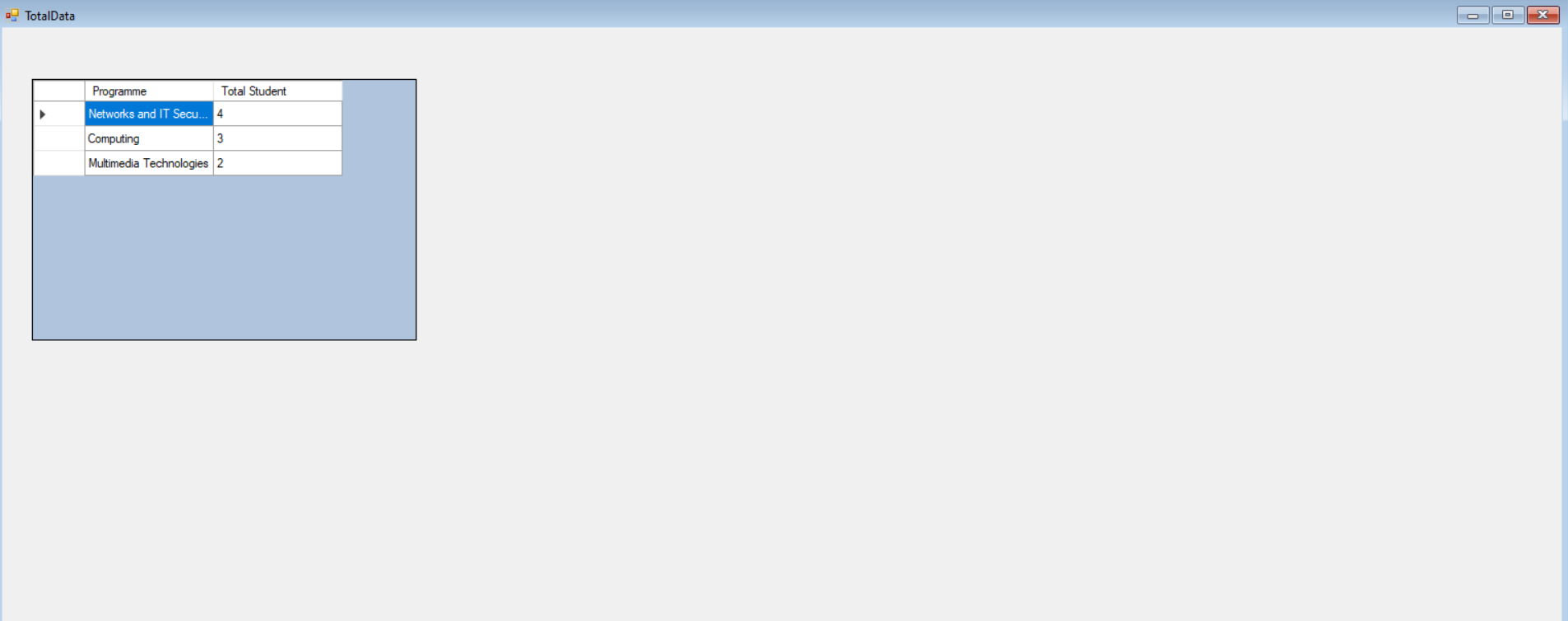


Figure total number chart

8. Click on report to view sorting names

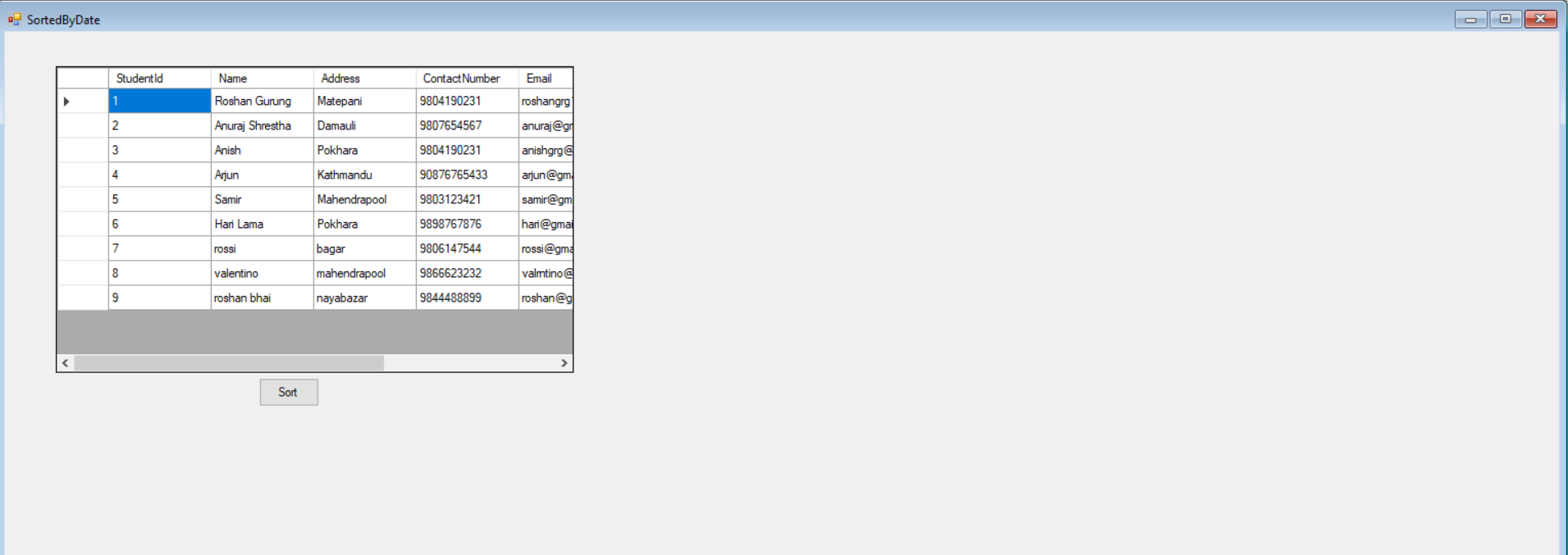


Figure Sorting

# 5. Architecture

The figure above shows the architecture of the system. The home being the main page; the other pages or classes are branches of the home or further branches of page directly opened from home as well as important functionalities or methods called.

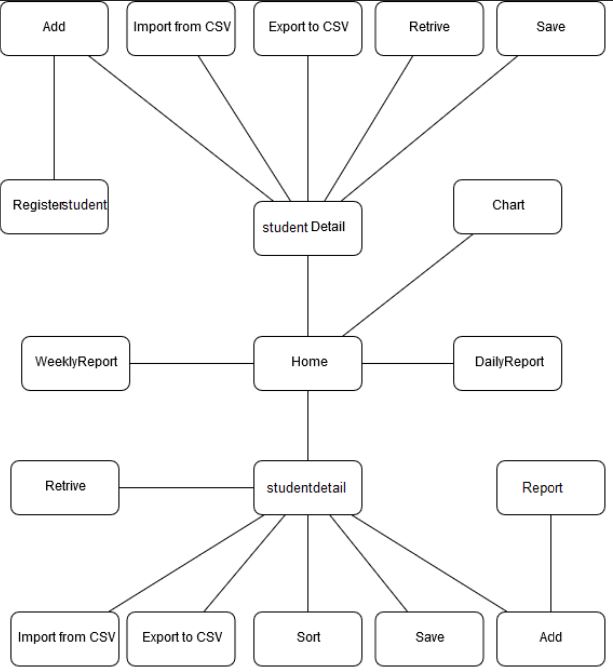


Figure Architecture

# 6. Functionality

The application boasts following functions:

Import students’ detail from a text file (e.g. in .CSV format), or allow users to manually input students’ details, which include first name, email, contact no and registration date.

Allow user to input details of students. Based on students details, weekly enrolment details is published and generated.

Students and their details have been assigned unique ids. The ids have been auto-generated.

Generate and display two different reports: a daily report by listing the total number of students with tabular report; and the other weekly report, that include number of students enrolled so far in each program offered by the institution.

Generate and display chart that shows total number of student on each program such as computing, multimedia and networking.

Save and retrieve the student enrol status with student details

Sort the student details with registration date and registration name.

# 7. Algorithm

Bubble Sort

Sorting was done using Bubble Sort. It sorts data in an array by swapping those data repeatedly if they are wrong in order.

Example:

First Pass:

( 5 1 4 2 8 ) –> ( 1 5 4 2 8 ), Here, the first two data are swaps since 5 > 1.

( 1 5 4 2 8 ) –> ( 1 4 5 2 8 ), Swap since 5 > 4

( 1 4 5 2 8 ) –> ( 1 4 2 5 8 ), Swap since 5 > 2

( 1 4 2 5 8 ) –> ( 1 4 2 5 8 ), Now, since these elements are already in order (8 > 5), algorithm stop.

Second Pass:

( 1 4 2 5 8 ) –> ( 1 4 2 5 8 )

( 1 4 2 5 8 ) –> ( 1 2 4 5 8 ), Swap since 4 > 2

( 1 2 4 5 8 ) –> ( 1 2 4 5 8 )

( 1 2 4 5 8 ) –> ( 1 2 4 5 8 )

Now, the array is already sorted, however algorithm needs one whole pass without any swap to know it is sorted.

Third Pass:

( 1 2 4 5 8 ) –> ( 1 2 4 5 8 )

( 1 2 4 5 8 ) –> ( 1 2 4 5 8 )

( 1 2 4 5 8 ) –> ( 1 2 4 5 8 )

( 1 2 4 5 8 ) –> ( 1 2 4 5 8 )

# 8. Class Diagram

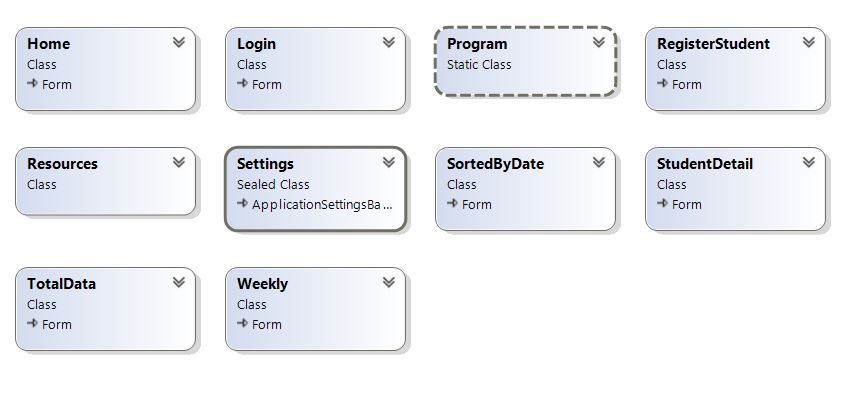


Figure Class diagram

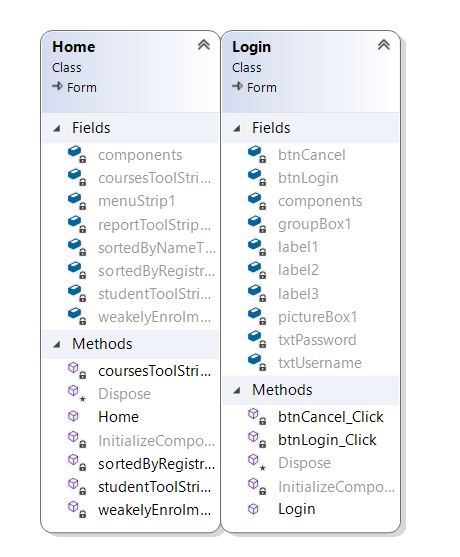


Figure Home login CD

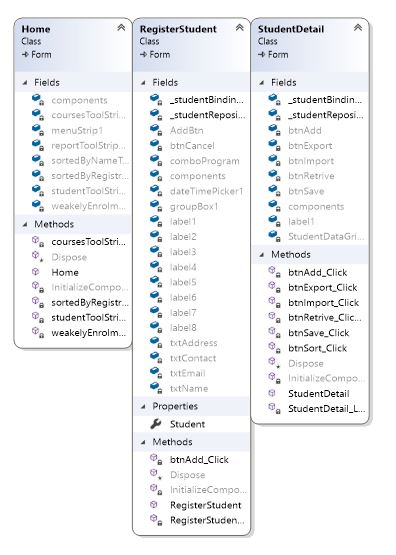


Figure Student Detail student Repository

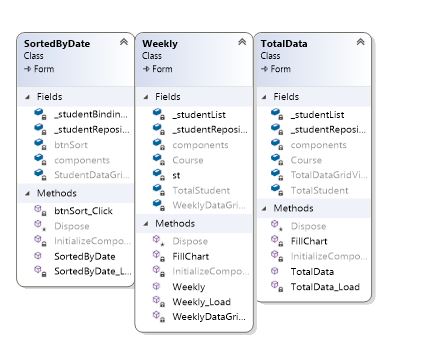


Figure Sorted by date and Name

# 9. Testing

## 9.1 Test Case 1

|  |  |
| --- | --- |
| Objective | Retrieve students' data |
| Action | Click on Register |
| Expected Result | Grid tabulated with students' data |
| Actual Result | Grid tabulated with students' data |
| Conclusion | Successfully executed |

Table 1: Test Case 1

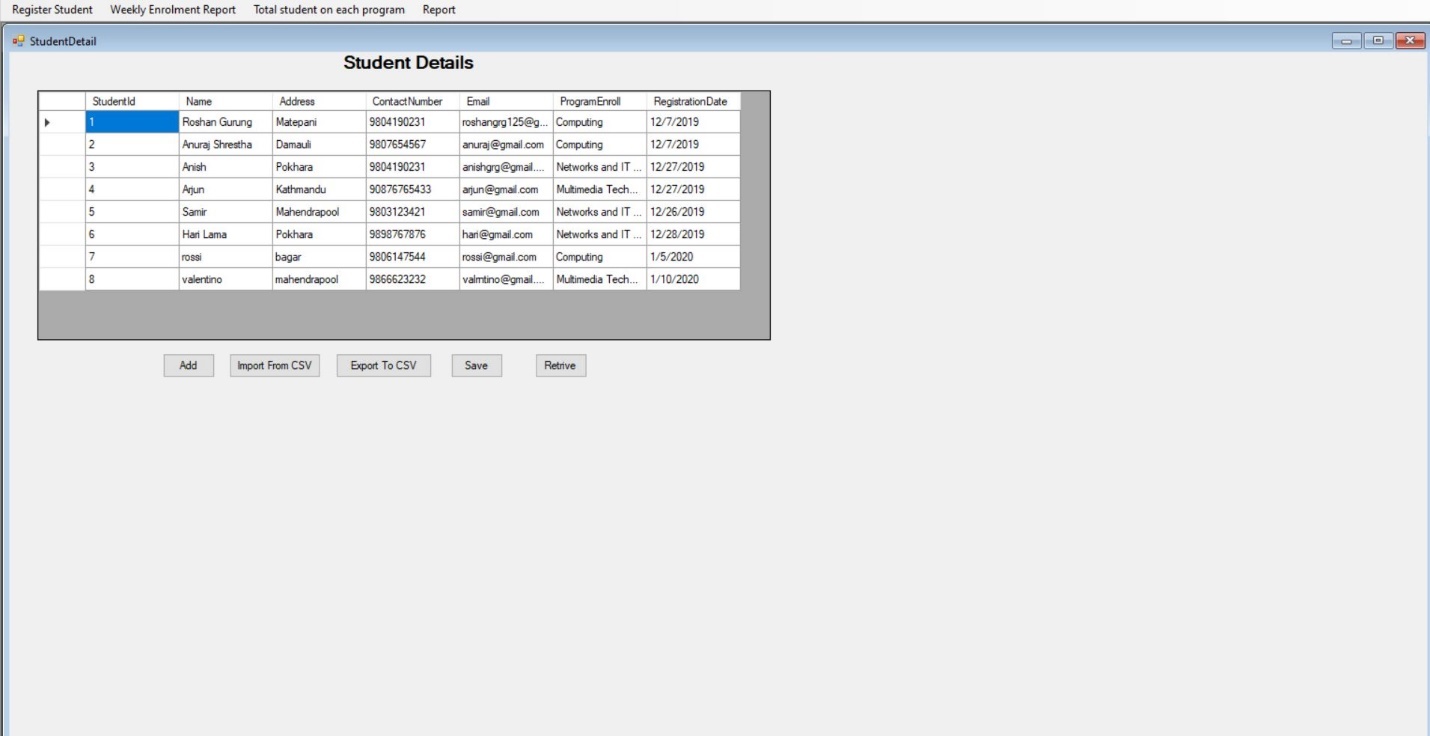


Figure Test case 1

## 9.2 Test Case 2

|  |  |
| --- | --- |
| Objective | Retrieve weekly' data |
| Action | Click on weekly |
| Expected Result | Grid tabulated with programme' data |
| Actual Result | Grid tabulated with programme' data |
| Conclusion | Successfully executed |

Table 2: Test Case 2

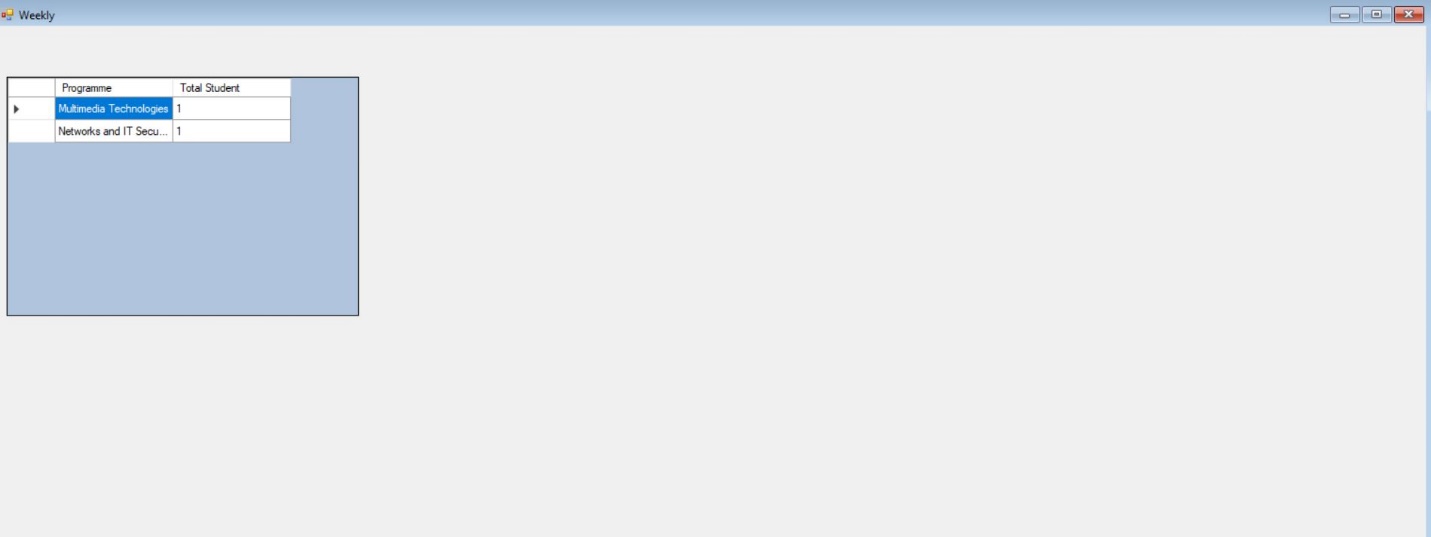
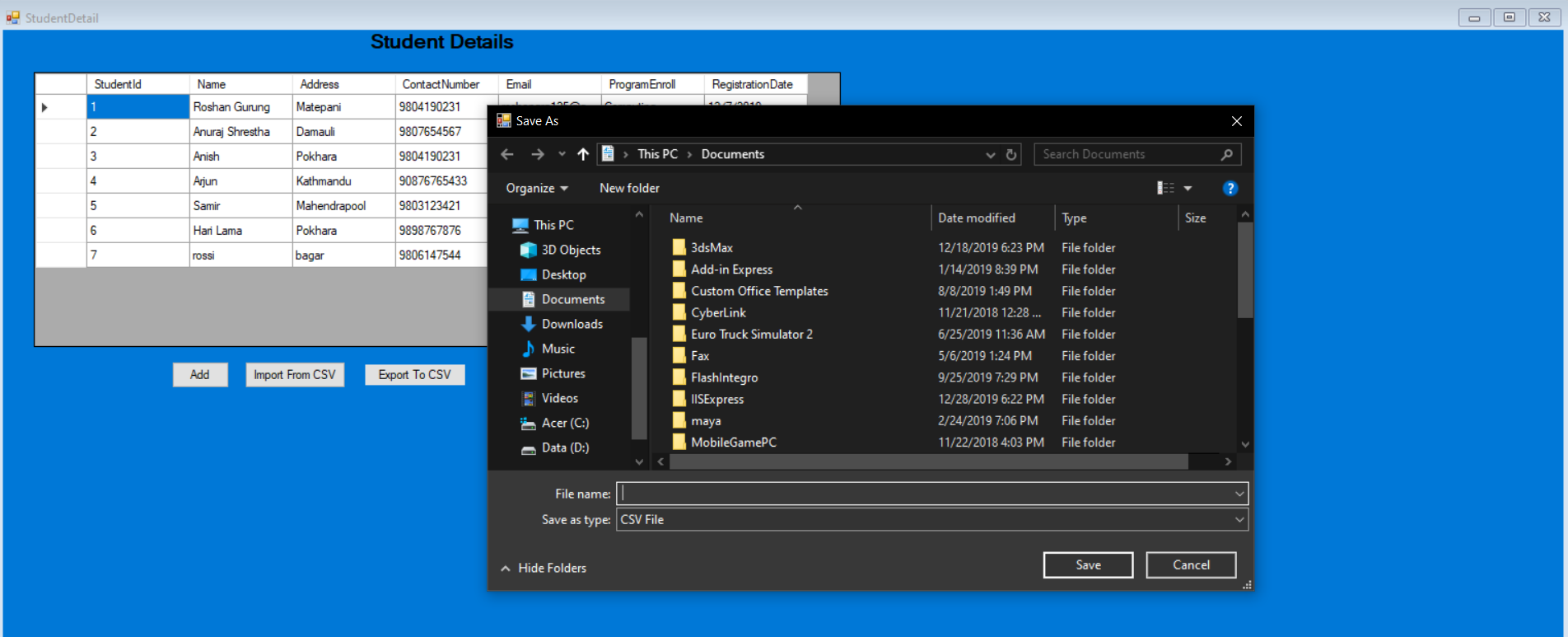


Figure Test case 2

## 9.3 Test Case 3

|  |  |
| --- | --- |
| Objective | Export to .csv file |
| Action | Click on Export to CSV button |
| Expected Result | CSV file created and populated |
| Actual Result | CSV file created and populated |
| Conclusion | Successfully executed |



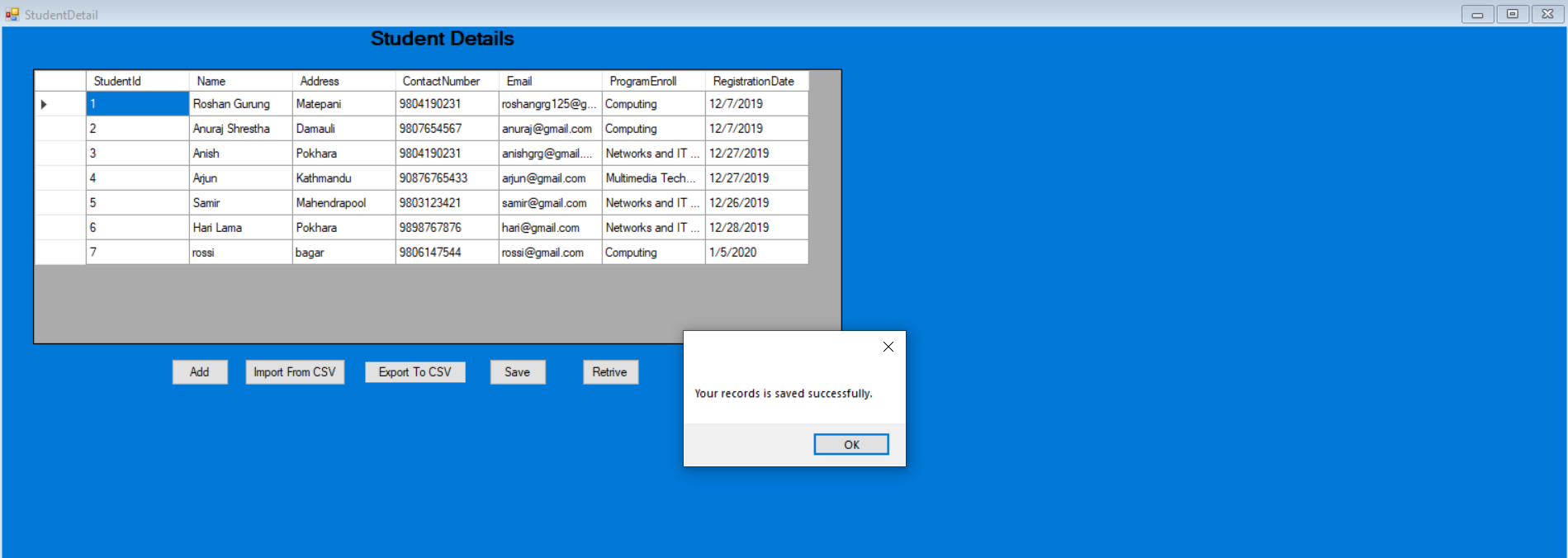


Figure Test Case 3

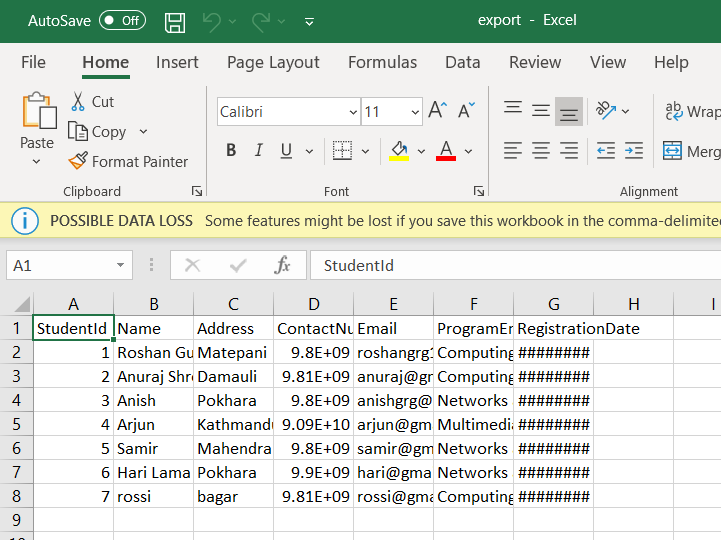


Figure Export to CSV file

## 9.4 Test Case 4

|  |  |
| --- | --- |
| Objective | Import from .csv file |
| Action | Click on Import form CSV button |
| Expected Result | Grid populated with CSV data |
| Actual Result | Grid populated with CSV data |
| Conclusion | Successfully executed |

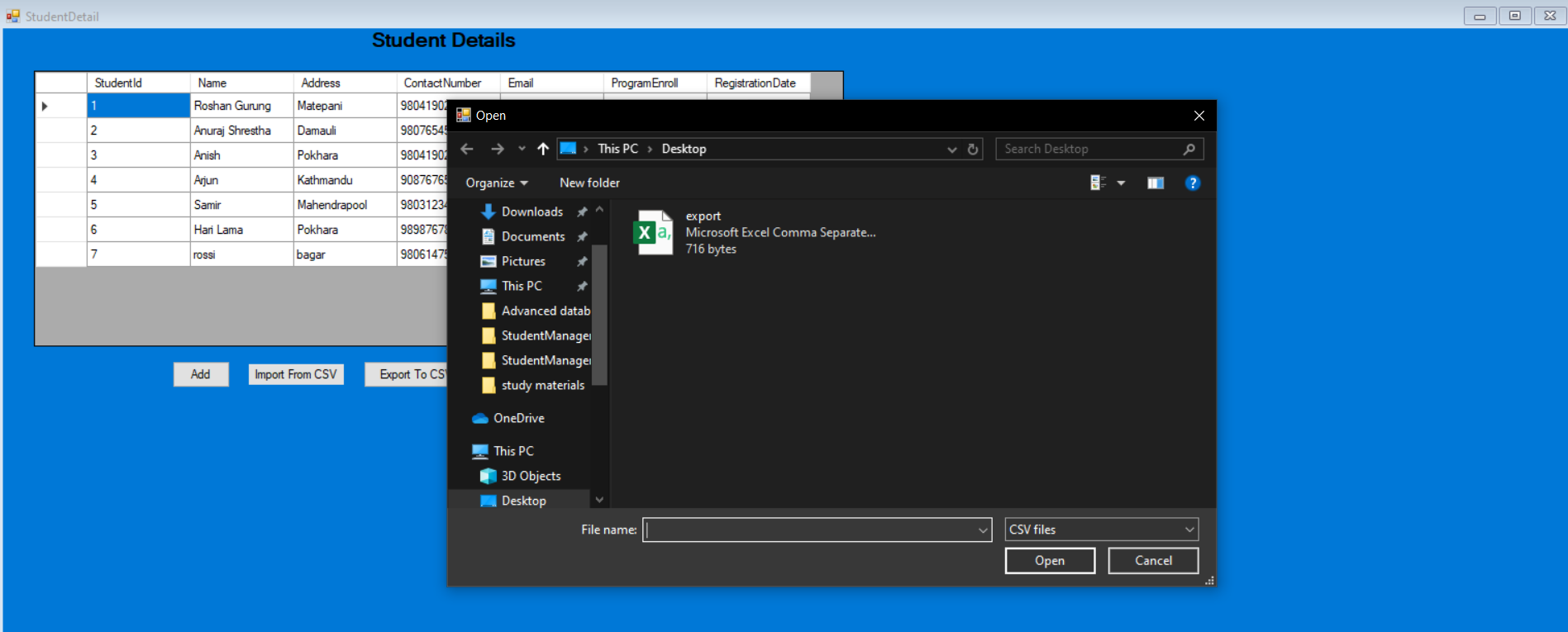


Figure Test case 4

## 

## 9.5 Test Case 5

|  |  |
| --- | --- |
| Objective | Add to grid |
| Action | Enter data and click Add |
| Expected Result | Data added |
| Actual Result | Data added |
| Conclusion | Successfully executed |

Table 3: Test Case 5

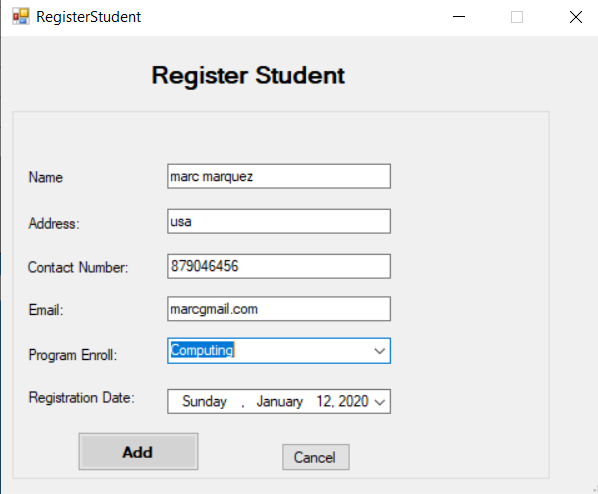


Figure Test case 5

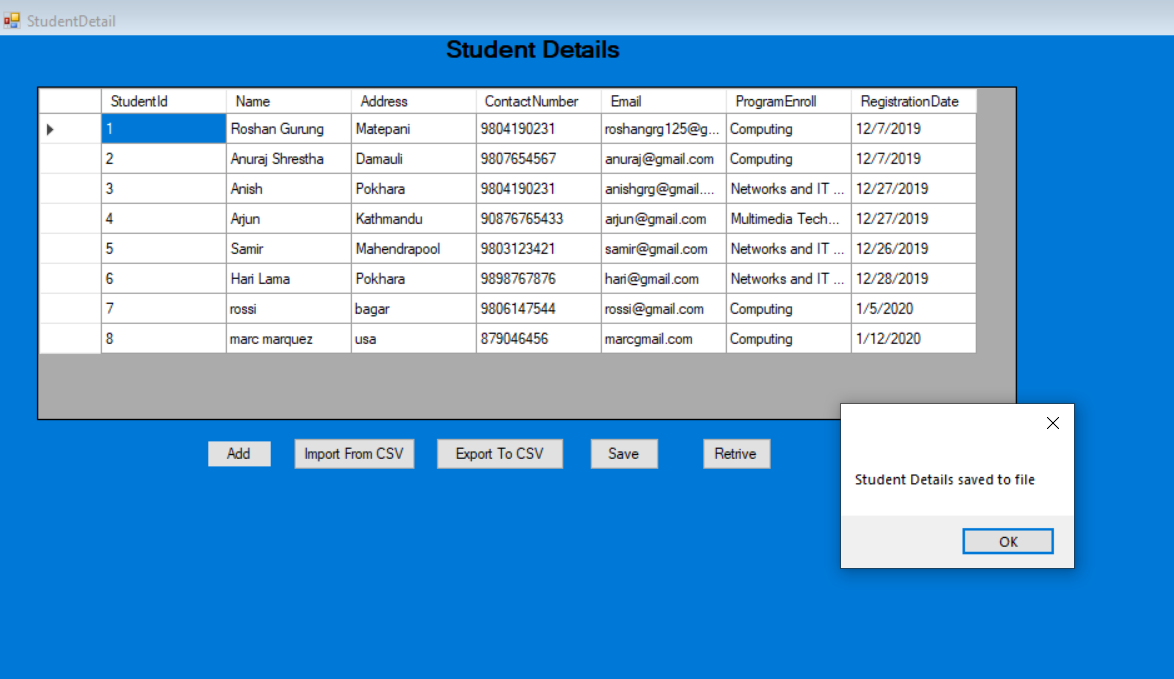


Figure Student details saved

9.6 Test Case 6

|  |  |
| --- | --- |
| Objective | Show weekly report |
| Action | Click on weekly Report menu item |
| Expected Result | weekly report displayed |
| Actual Result | weekly report displayed |
| Conclusion | Successfully executed |

Table 6: Test Case 6

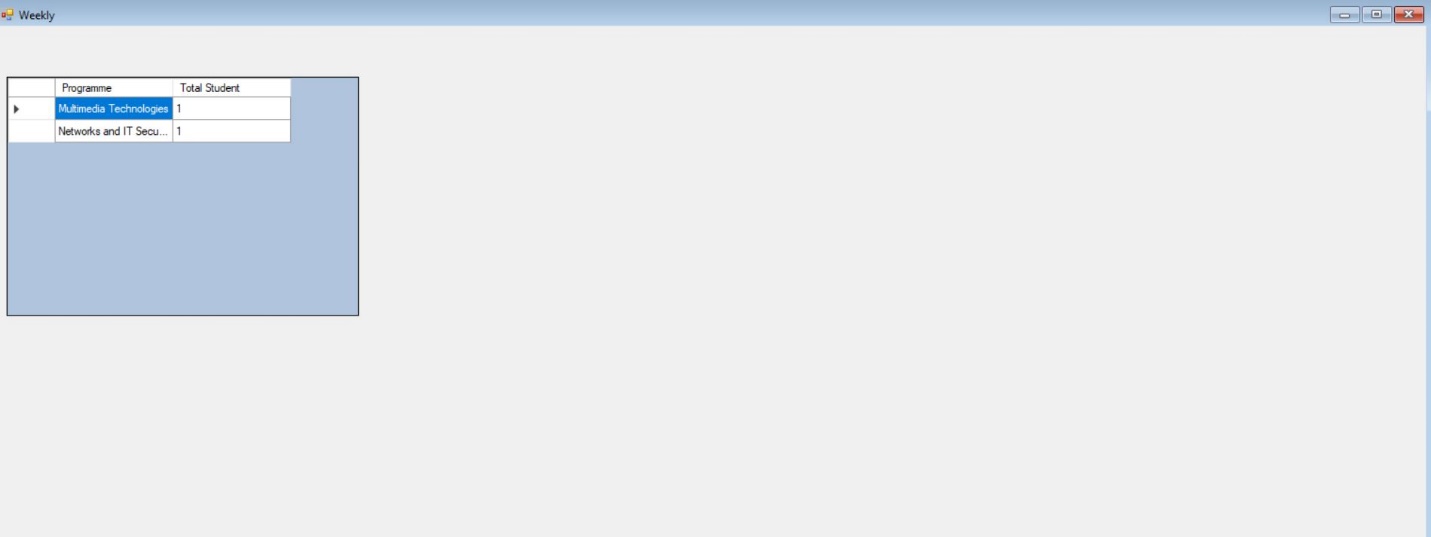


Figure Test Case 6

## 9.7 Test Case 7

|  |  |
| --- | --- |
| Objective | Show Total data |
| Action | Click on total student on each program |
| Expected Result | Total data displayed |
| Actual Result | Total data displayed |
| Conclusion | Successfully executed |

Table 7: Test Case 7

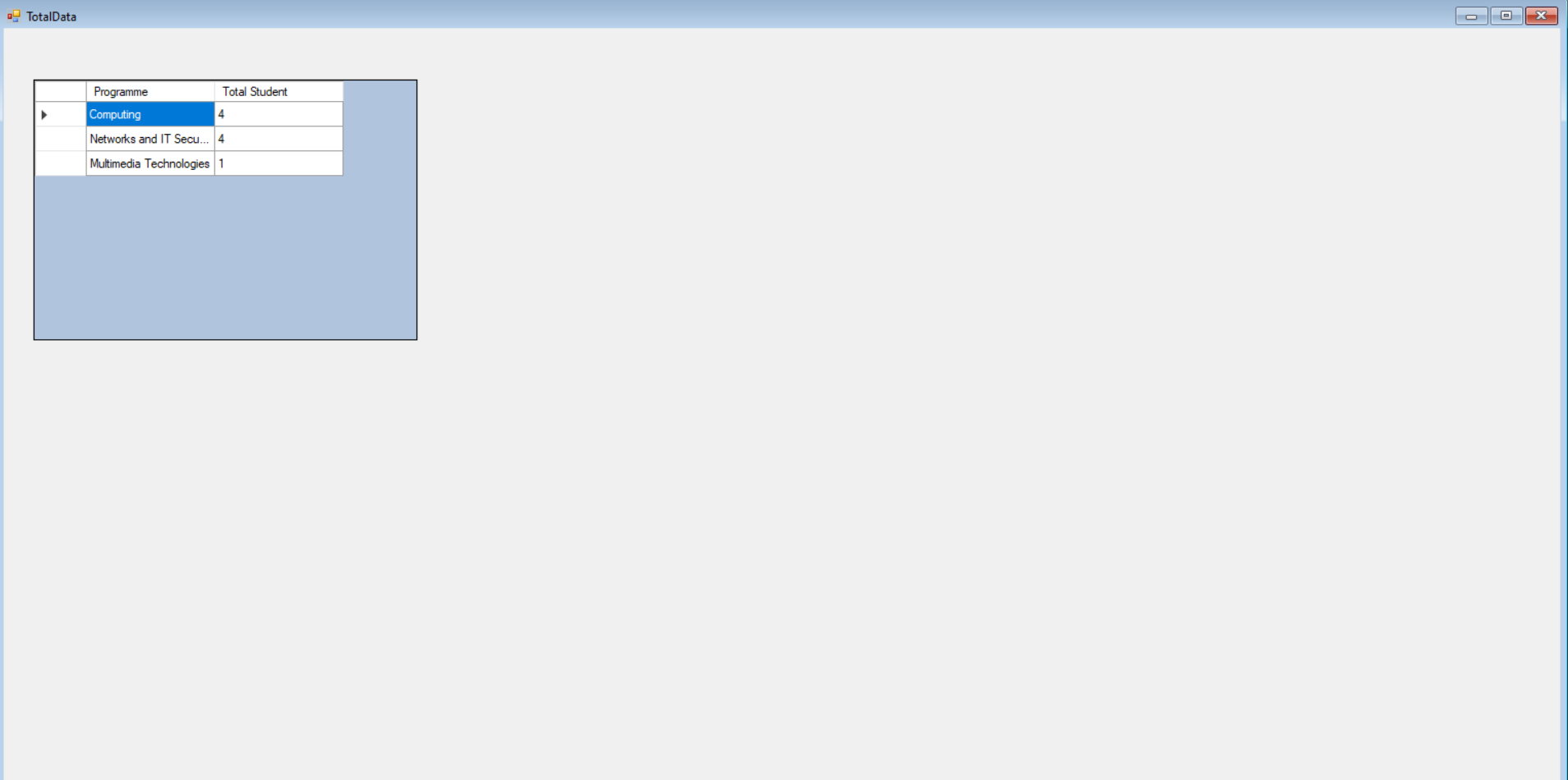


Figure Test Case 7

## 9.8 Test Case 8

|  |  |
| --- | --- |
| Objective | Sort by registration date |
| Action | Click on Sort by date |
| Expected Result | Rows sorted |
| Actual Result | Rows sorted |
| Conclusion | Successfully executed |

Table 8: Test Case 8

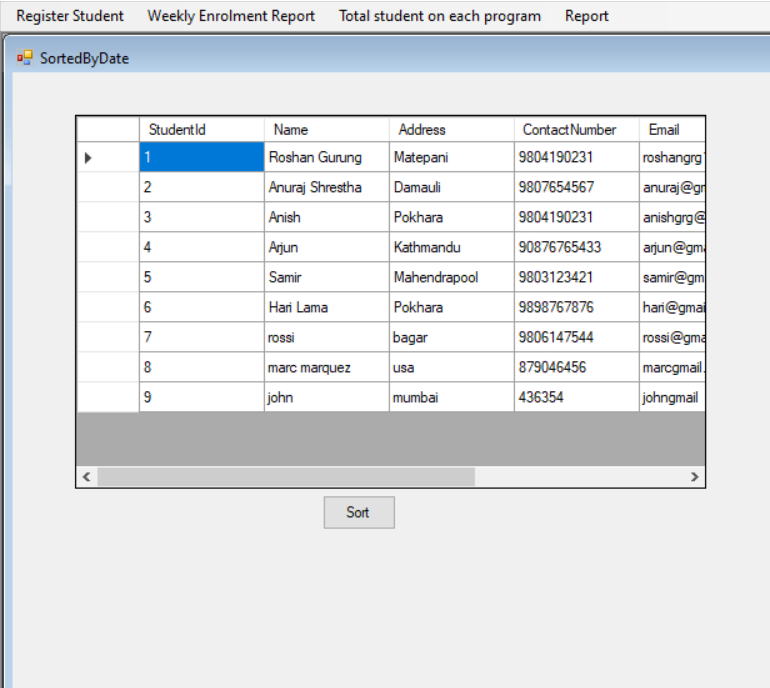


Figure Test case 8

# 10. Reflection

The coursework has been carried out using Visual Studio 2019. Visual Studio offers designing the UI using drag and drop method. This make it easier for users to create designs which would have been bothersome if done programmatically. It is also efficient in detecting errors while showing the developer where exactly the error has occurred (stating the file name as well as the line).

The project has helped me to grow my creativity while benefiting to develop my programming skill. Getting introduced to a new programming language and IDE through this course has open new paths for me as a developer.

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# 12. Appendix

Program.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace StudentManagementSystem

{

static class Program

{

/// <summary>

/// The main entry point for the application.

/// </summary>

[STAThread]

static void Main()

{

Application.EnableVisualStyles();

Application.SetCompatibleTextRenderingDefault(false);

Application.Run(new Login());

}

}

}

Home.cs

namespace StudentManagementSystem

{

partial class Home

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.menuStrip1 = new System.Windows.Forms.MenuStrip();

this.studentToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem();

this.weakelyEnrolmentReportToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem();

this.coursesToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem();

this.reportToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem();

this.sortedByRegistrationDateToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem();

this.sortedByNameToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem();

this.menuStrip1.SuspendLayout();

this.SuspendLayout();

//

// menuStrip1

//

this.menuStrip1.ImageScalingSize = new System.Drawing.Size(20, 20);

this.menuStrip1.Items.AddRange(new System.Windows.Forms.ToolStripItem[] {

this.studentToolStripMenuItem,

this.weakelyEnrolmentReportToolStripMenuItem,

this.coursesToolStripMenuItem,

this.reportToolStripMenuItem});

this.menuStrip1.Location = new System.Drawing.Point(0, 0);

this.menuStrip1.Name = "menuStrip1";

this.menuStrip1.Size = new System.Drawing.Size(800, 28);

this.menuStrip1.TabIndex = 0;

this.menuStrip1.Text = "menuStrip1";

//

// studentToolStripMenuItem

//

this.studentToolStripMenuItem.Name = "studentToolStripMenuItem";

this.studentToolStripMenuItem.Size = new System.Drawing.Size(132, 24);

this.studentToolStripMenuItem.Text = "Register Student";

this.studentToolStripMenuItem.Click += new System.EventHandler(this.studentToolStripMenuItem\_Click);

//

// weakelyEnrolmentReportToolStripMenuItem

//

this.weakelyEnrolmentReportToolStripMenuItem.Name = "weakelyEnrolmentReportToolStripMenuItem";

this.weakelyEnrolmentReportToolStripMenuItem.Size = new System.Drawing.Size(191, 24);

this.weakelyEnrolmentReportToolStripMenuItem.Text = "Weekly Enrolment Report";

this.weakelyEnrolmentReportToolStripMenuItem.Click += new System.EventHandler(this.weakelyEnrolmentReportToolStripMenuItem\_Click);

//

// coursesToolStripMenuItem

//

this.coursesToolStripMenuItem.Name = "coursesToolStripMenuItem";

this.coursesToolStripMenuItem.Size = new System.Drawing.Size(227, 24);

this.coursesToolStripMenuItem.Text = "Total student on each program";

this.coursesToolStripMenuItem.Click += new System.EventHandler(this.coursesToolStripMenuItem\_Click);

//

// reportToolStripMenuItem

//

this.reportToolStripMenuItem.DropDownItems.AddRange(new System.Windows.Forms.ToolStripItem[] {

this.sortedByRegistrationDateToolStripMenuItem,

this.sortedByNameToolStripMenuItem});

this.reportToolStripMenuItem.Name = "reportToolStripMenuItem";

this.reportToolStripMenuItem.Size = new System.Drawing.Size(68, 24);

this.reportToolStripMenuItem.Text = "Report";

//

// sortedByRegistrationDateToolStripMenuItem

//

this.sortedByRegistrationDateToolStripMenuItem.Name = "sortedByRegistrationDateToolStripMenuItem";

this.sortedByRegistrationDateToolStripMenuItem.Size = new System.Drawing.Size(276, 26);

this.sortedByRegistrationDateToolStripMenuItem.Text = "Sorted by Registration Date";

this.sortedByRegistrationDateToolStripMenuItem.Click += new System.EventHandler(this.sortedByRegistrationDateToolStripMenuItem\_Click);

//

// sortedByNameToolStripMenuItem

//

this.sortedByNameToolStripMenuItem.Name = "sortedByNameToolStripMenuItem";

this.sortedByNameToolStripMenuItem.Size = new System.Drawing.Size(276, 26);

this.sortedByNameToolStripMenuItem.Text = "Sorted by Name";

//

// Home

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.BackgroundImage = global::StudentManagementSystem.Properties.Resources.school;

this.BackgroundImageLayout = System.Windows.Forms.ImageLayout.Center;

this.ClientSize = new System.Drawing.Size(800, 450);

this.Controls.Add(this.menuStrip1);

this.DoubleBuffered = true;

this.IsMdiContainer = true;

this.MainMenuStrip = this.menuStrip1;

this.Name = "Home";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "Home";

this.WindowState = System.Windows.Forms.FormWindowState.Maximized;

this.menuStrip1.ResumeLayout(false);

this.menuStrip1.PerformLayout();

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.MenuStrip menuStrip1;

private System.Windows.Forms.ToolStripMenuItem studentToolStripMenuItem;

private System.Windows.Forms.ToolStripMenuItem weakelyEnrolmentReportToolStripMenuItem;

private System.Windows.Forms.ToolStripMenuItem coursesToolStripMenuItem;

private System.Windows.Forms.ToolStripMenuItem reportToolStripMenuItem;

private System.Windows.Forms.ToolStripMenuItem sortedByRegistrationDateToolStripMenuItem;

private System.Windows.Forms.ToolStripMenuItem sortedByNameToolStripMenuItem;

}

}

StudentDetail.cs

partial class StudentDetail

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.StudentDataGridView = new System.Windows.Forms.DataGridView();

this.btnAdd = new System.Windows.Forms.Button();

this.btnImport = new System.Windows.Forms.Button();

this.btnExport = new System.Windows.Forms.Button();

this.btnSave = new System.Windows.Forms.Button();

this.btnRetrive = new System.Windows.Forms.Button();

this.label1 = new System.Windows.Forms.Label();

((System.ComponentModel.ISupportInitialize)(this.StudentDataGridView)).BeginInit();

this.SuspendLayout();

//

// StudentDataGridView

//

this.StudentDataGridView.ColumnHeadersHeightSizeMode = System.Windows.Forms.DataGridViewColumnHeadersHeightSizeMode.AutoSize;

this.StudentDataGridView.Location = new System.Drawing.Point(40, 50);

this.StudentDataGridView.Name = "StudentDataGridView";

this.StudentDataGridView.RowHeadersWidth = 51;

this.StudentDataGridView.RowTemplate.Height = 24;

this.StudentDataGridView.Size = new System.Drawing.Size(1045, 329);

this.StudentDataGridView.TabIndex = 0;

//

// btnAdd

//

this.btnAdd.Location = new System.Drawing.Point(219, 396);

this.btnAdd.Name = "btnAdd";

this.btnAdd.Size = new System.Drawing.Size(75, 32);

this.btnAdd.TabIndex = 1;

this.btnAdd.Text = "Add";

this.btnAdd.UseVisualStyleBackColor = true;

this.btnAdd.Click += new System.EventHandler(this.btnAdd\_Click);

//

// btnImport

//

this.btnImport.Location = new System.Drawing.Point(313, 396);

this.btnImport.Name = "btnImport";

this.btnImport.Size = new System.Drawing.Size(130, 32);

this.btnImport.TabIndex = 2;

this.btnImport.Text = "Import From CSV";

this.btnImport.UseVisualStyleBackColor = true;

this.btnImport.Click += new System.EventHandler(this.btnImport\_Click);

//

// btnExport

//

this.btnExport.Location = new System.Drawing.Point(465, 396);

this.btnExport.Name = "btnExport";

this.btnExport.Size = new System.Drawing.Size(137, 32);

this.btnExport.TabIndex = 3;

this.btnExport.Text = "Export To CSV";

this.btnExport.UseVisualStyleBackColor = true;

this.btnExport.Click += new System.EventHandler(this.btnExport\_Click);

//

// btnSave

//

this.btnSave.Location = new System.Drawing.Point(629, 396);

this.btnSave.Name = "btnSave";

this.btnSave.Size = new System.Drawing.Size(75, 32);

this.btnSave.TabIndex = 4;

this.btnSave.Text = "Save";

this.btnSave.UseVisualStyleBackColor = true;

this.btnSave.Click += new System.EventHandler(this.btnSave\_Click);

//

// btnRetrive

//

this.btnRetrive.Location = new System.Drawing.Point(749, 396);

this.btnRetrive.Name = "btnRetrive";

this.btnRetrive.Size = new System.Drawing.Size(75, 32);

this.btnRetrive.TabIndex = 5;

this.btnRetrive.Text = "Retrive";

this.btnRetrive.UseVisualStyleBackColor = true;

this.btnRetrive.Click += new System.EventHandler(this.btnRetrive\_Click\_1);

//

// label1

//

this.label1.AutoSize = true;

this.label1.Font = new System.Drawing.Font("Kristen ITC", 13.8F, System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));

this.label1.Location = new System.Drawing.Point(471, -1);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(214, 33);

this.label1.TabIndex = 7;

this.label1.Text = "Student Details";

//

// StudentDetail

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(1204, 450);

this.Controls.Add(this.label1);

this.Controls.Add(this.btnRetrive);

this.Controls.Add(this.btnSave);

this.Controls.Add(this.btnExport);

this.Controls.Add(this.btnImport);

this.Controls.Add(this.btnAdd);

this.Controls.Add(this.StudentDataGridView);

this.Name = "StudentDetail";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "StudentDetail";

this.Load += new System.EventHandler(this.StudentDetail\_Load);

((System.ComponentModel.ISupportInitialize)(this.StudentDataGridView)).EndInit();

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.DataGridView StudentDataGridView;

private System.Windows.Forms.Button btnAdd;

private System.Windows.Forms.Button btnImport;

private System.Windows.Forms.Button btnExport;

private System.Windows.Forms.Button btnSave;

private System.Windows.Forms.Button btnRetrive;

private System.Windows.Forms.Label label1;

}

Login.cs

namespace StudentManagementSystem

{

partial class Login

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

System.ComponentModel.ComponentResourceManager resources = new System.ComponentModel.ComponentResourceManager(typeof(Login));

this.label1 = new System.Windows.Forms.Label();

this.txtUsername = new System.Windows.Forms.TextBox();

this.btnLogin = new System.Windows.Forms.Button();

this.groupBox1 = new System.Windows.Forms.GroupBox();

this.label3 = new System.Windows.Forms.Label();

this.btnCancel = new System.Windows.Forms.Button();

this.txtPassword = new System.Windows.Forms.TextBox();

this.label2 = new System.Windows.Forms.Label();

this.pictureBox1 = new System.Windows.Forms.PictureBox();

this.groupBox1.SuspendLayout();

((System.ComponentModel.ISupportInitialize)(this.pictureBox1)).BeginInit();

this.SuspendLayout();

//

// label1

//

this.label1.AutoSize = true;

this.label1.Location = new System.Drawing.Point(51, 266);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(77, 17);

this.label1.TabIndex = 0;

this.label1.Text = "Username:";

//

// txtUsername

//

this.txtUsername.Location = new System.Drawing.Point(142, 261);

this.txtUsername.Name = "txtUsername";

this.txtUsername.Size = new System.Drawing.Size(212, 22);

this.txtUsername.TabIndex = 1;

//

// btnLogin

//

this.btnLogin.Location = new System.Drawing.Point(124, 368);

this.btnLogin.Name = "btnLogin";

this.btnLogin.Size = new System.Drawing.Size(75, 30);

this.btnLogin.TabIndex = 2;

this.btnLogin.Text = "Login";

this.btnLogin.UseVisualStyleBackColor = true;

this.btnLogin.Click += new System.EventHandler(this.btnLogin\_Click);

//

// groupBox1

//

this.groupBox1.Controls.Add(this.pictureBox1);

this.groupBox1.Controls.Add(this.label3);

this.groupBox1.Controls.Add(this.btnCancel);

this.groupBox1.Controls.Add(this.txtPassword);

this.groupBox1.Controls.Add(this.btnLogin);

this.groupBox1.Controls.Add(this.label2);

this.groupBox1.Controls.Add(this.txtUsername);

this.groupBox1.Controls.Add(this.label1);

this.groupBox1.Location = new System.Drawing.Point(34, 12);

this.groupBox1.Name = "groupBox1";

this.groupBox1.Size = new System.Drawing.Size(467, 436);

this.groupBox1.TabIndex = 3;

this.groupBox1.TabStop = false;

this.groupBox1.Text = "Login";

//

// label3

//

this.label3.AutoSize = true;

this.label3.Font = new System.Drawing.Font("Kristen ITC", 13.8F, System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));

this.label3.Location = new System.Drawing.Point(35, 28);

this.label3.Name = "label3";

this.label3.Size = new System.Drawing.Size(379, 33);

this.label3.TabIndex = 5;

this.label3.Text = "Student Management System";

//

// btnCancel

//

this.btnCancel.Location = new System.Drawing.Point(244, 368);

this.btnCancel.Name = "btnCancel";

this.btnCancel.Size = new System.Drawing.Size(75, 30);

this.btnCancel.TabIndex = 4;

this.btnCancel.Text = "Cancel";

this.btnCancel.UseVisualStyleBackColor = true;

this.btnCancel.Click += new System.EventHandler(this.btnCancel\_Click);

//

// txtPassword

//

this.txtPassword.Location = new System.Drawing.Point(142, 318);

this.txtPassword.Name = "txtPassword";

this.txtPassword.Size = new System.Drawing.Size(212, 22);

this.txtPassword.TabIndex = 3;

//

// label2

//

this.label2.AutoSize = true;

this.label2.Location = new System.Drawing.Point(51, 323);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(73, 17);

this.label2.TabIndex = 2;

this.label2.Text = "Password:";

//

// pictureBox1

//

this.pictureBox1.Image = ((System.Drawing.Image)(resources.GetObject("pictureBox1.Image")));

this.pictureBox1.Location = new System.Drawing.Point(142, 64);

this.pictureBox1.Name = "pictureBox1";

this.pictureBox1.Size = new System.Drawing.Size(212, 162);

this.pictureBox1.TabIndex = 6;

this.pictureBox1.TabStop = false;

//

// Login

//

this.AcceptButton = this.btnLogin;

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.CancelButton = this.btnCancel;

this.ClientSize = new System.Drawing.Size(535, 472);

this.Controls.Add(this.groupBox1);

this.Name = "Login";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "Login";

this.groupBox1.ResumeLayout(false);

this.groupBox1.PerformLayout();

((System.ComponentModel.ISupportInitialize)(this.pictureBox1)).EndInit();

this.ResumeLayout(false);

}

#endregion

private System.Windows.Forms.Label label1;

private System.Windows.Forms.TextBox txtUsername;

private System.Windows.Forms.Button btnLogin;

private System.Windows.Forms.GroupBox groupBox1;

private System.Windows.Forms.Button btnCancel;

private System.Windows.Forms.TextBox txtPassword;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.Label label3;

private System.Windows.Forms.PictureBox pictureBox1;

}

}

Weekly.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.IO;

using System.Linq;

using System.Runtime.Serialization.Formatters.Binary;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using BLL;

namespace StudentManagementSystem

{

public partial class Weekly : Form

{

public Weekly()

{

InitializeComponent();

}

private StudentRepository \_studentRepository = new StudentRepository();

private List<Student> \_studentList = new List<Student>();

private Student st = new Student();

private void WeeklyDataGridView\_CellContentClick(object sender, DataGridViewCellEventArgs e)

{

}

private void Weekly\_Load(object sender, EventArgs e)

{

\_studentList = \_studentRepository.GetWeeksData();

FillChart();

}

private void FillChart()

{

foreach (var student in \_studentList)

{

var a = student.Count1.ToString();

var b = student.Name.ToString();

string[] row = new string[] { b, a };

WeeklyDataGridView.Rows.Add(row);

}

//var e = visit.VisitorName.ToString();

//this.WeeklyDataGridView.Rows.Add(b, c, d);

//}

}

}

}

TotalData.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using BLL;

namespace StudentManagementSystem

{

public partial class TotalData : Form

{

public TotalData()

{

InitializeComponent();

}

private StudentRepository \_studentRepository = new StudentRepository();

private List<Student> \_studentList = new List<Student>();

private void TotalData\_Load(object sender, EventArgs e)

{

\_studentList = \_studentRepository.GetAllData();

FillChart();

}

private void FillChart()

{

foreach (var student in \_studentList)

{

var b = student.Count1.ToString();

var e = student.Name.ToString();

string[] row = new string[] { e,b };

TotalDataGridView.Rows.Add(row);

}

}

}

}

Sortedbydate.cs

namespace StudentManagementSystem

{

partial class SortedByDate

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.StudentDataGridView = new System.Windows.Forms.DataGridView();

this.btnSort = new System.Windows.Forms.Button();

((System.ComponentModel.ISupportInitialize)(this.StudentDataGridView)).BeginInit();

this.SuspendLayout();

//

// StudentDataGridView

//

this.StudentDataGridView.ColumnHeadersHeightSizeMode = System.Windows.Forms.DataGridViewColumnHeadersHeightSizeMode.AutoSize;

this.StudentDataGridView.Location = new System.Drawing.Point(66, 42);

this.StudentDataGridView.Name = "StudentDataGridView";

this.StudentDataGridView.RowHeadersWidth = 51;

this.StudentDataGridView.RowTemplate.Height = 24;

this.StudentDataGridView.Size = new System.Drawing.Size(673, 368);

this.StudentDataGridView.TabIndex = 0;

//

// btnSort

//

this.btnSort.Location = new System.Drawing.Point(330, 416);

this.btnSort.Name = "btnSort";

this.btnSort.Size = new System.Drawing.Size(79, 34);

this.btnSort.TabIndex = 1;

this.btnSort.Text = "Sort";

this.btnSort.UseVisualStyleBackColor = true;

this.btnSort.Click += new System.EventHandler(this.btnSort\_Click);

//

// SortedByDate

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(800, 462);

this.Controls.Add(this.btnSort);

this.Controls.Add(this.StudentDataGridView);

this.Name = "SortedByDate";

this.Text = "SortedByDate";

this.Load += new System.EventHandler(this.SortedByDate\_Load);

((System.ComponentModel.ISupportInitialize)(this.StudentDataGridView)).EndInit();

this.ResumeLayout(false);

}

#endregion

private System.Windows.Forms.DataGridView StudentDataGridView;

private System.Windows.Forms.Button btnSort;

}

}

Student.cs

namespace StudentManagementSystem

{

partial class StudentDetail

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.StudentDataGridView = new System.Windows.Forms.DataGridView();

this.btnAdd = new System.Windows.Forms.Button();

this.btnImport = new System.Windows.Forms.Button();

this.btnExport = new System.Windows.Forms.Button();

this.btnSave = new System.Windows.Forms.Button();

this.btnRetrive = new System.Windows.Forms.Button();

this.label1 = new System.Windows.Forms.Label();

((System.ComponentModel.ISupportInitialize)(this.StudentDataGridView)).BeginInit();

this.SuspendLayout();

//

// StudentDataGridView

//

this.StudentDataGridView.ColumnHeadersHeightSizeMode = System.Windows.Forms.DataGridViewColumnHeadersHeightSizeMode.AutoSize;

this.StudentDataGridView.Location = new System.Drawing.Point(40, 50);

this.StudentDataGridView.Name = "StudentDataGridView";

this.StudentDataGridView.RowHeadersWidth = 51;

this.StudentDataGridView.RowTemplate.Height = 24;

this.StudentDataGridView.Size = new System.Drawing.Size(1045, 329);

this.StudentDataGridView.TabIndex = 0;

//

// btnAdd

//

this.btnAdd.Location = new System.Drawing.Point(219, 396);

this.btnAdd.Name = "btnAdd";

this.btnAdd.Size = new System.Drawing.Size(75, 32);

this.btnAdd.TabIndex = 1;

this.btnAdd.Text = "Add";

this.btnAdd.UseVisualStyleBackColor = true;

this.btnAdd.Click += new System.EventHandler(this.btnAdd\_Click);

//

// btnImport

//

this.btnImport.Location = new System.Drawing.Point(313, 396);

this.btnImport.Name = "btnImport";

this.btnImport.Size = new System.Drawing.Size(130, 32);

this.btnImport.TabIndex = 2;

this.btnImport.Text = "Import From CSV";

this.btnImport.UseVisualStyleBackColor = true;

this.btnImport.Click += new System.EventHandler(this.btnImport\_Click);

//

// btnExport

//

this.btnExport.Location = new System.Drawing.Point(465, 396);

this.btnExport.Name = "btnExport";

this.btnExport.Size = new System.Drawing.Size(137, 32);

this.btnExport.TabIndex = 3;

this.btnExport.Text = "Export To CSV";

this.btnExport.UseVisualStyleBackColor = true;

this.btnExport.Click += new System.EventHandler(this.btnExport\_Click);

//

// btnSave

//

this.btnSave.Location = new System.Drawing.Point(629, 396);

this.btnSave.Name = "btnSave";

this.btnSave.Size = new System.Drawing.Size(75, 32);

this.btnSave.TabIndex = 4;

this.btnSave.Text = "Save";

this.btnSave.UseVisualStyleBackColor = true;

this.btnSave.Click += new System.EventHandler(this.btnSave\_Click);

//

// btnRetrive

//

this.btnRetrive.Location = new System.Drawing.Point(749, 396);

this.btnRetrive.Name = "btnRetrive";

this.btnRetrive.Size = new System.Drawing.Size(75, 32);

this.btnRetrive.TabIndex = 5;

this.btnRetrive.Text = "Retrive";

this.btnRetrive.UseVisualStyleBackColor = true;

this.btnRetrive.Click += new System.EventHandler(this.btnRetrive\_Click\_1);

//

// label1

//

this.label1.AutoSize = true;

this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 13.8F, System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));

this.label1.Location = new System.Drawing.Point(471, -1);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(190, 29);

this.label1.TabIndex = 7;

this.label1.Text = "Student Details";

//

// StudentDetail

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.BackColor = System.Drawing.SystemColors.Highlight;

this.ClientSize = new System.Drawing.Size(1204, 450);

this.Controls.Add(this.label1);

this.Controls.Add(this.btnRetrive);

this.Controls.Add(this.btnSave);

this.Controls.Add(this.btnExport);

this.Controls.Add(this.btnImport);

this.Controls.Add(this.btnAdd);

this.Controls.Add(this.StudentDataGridView);

this.ForeColor = System.Drawing.SystemColors.ActiveCaptionText;

this.Name = "StudentDetail";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "StudentDetail";

this.Load += new System.EventHandler(this.StudentDetail\_Load);

((System.ComponentModel.ISupportInitialize)(this.StudentDataGridView)).EndInit();

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.DataGridView StudentDataGridView;

private System.Windows.Forms.Button btnAdd;

private System.Windows.Forms.Button btnImport;

private System.Windows.Forms.Button btnExport;

private System.Windows.Forms.Button btnSave;

private System.Windows.Forms.Button btnRetrive;

private System.Windows.Forms.Label label1;

}

}