using System;

using System.Collections.Generic;

using System.IO;

namespace Wiproproject

{

internal class Program

{

static List<Teacher> listTeachers = new List<Teacher>();

static void Main(string[] args)

{

string UIId = "";

string UIFirstName = "";

string UILastName = "";

string UIClass = "";

string UISection = "";

using (FileStream fs = new FileStream(@"C:\Project\Teacher.txt", FileMode.Open))

using (StreamReader sr = new StreamReader(fs))

{

string content = sr.ReadToEnd();

string[] lines = content.Split(new string[] { Environment.NewLine }, StringSplitOptions.RemoveEmptyEntries);

List<Teacher> listTeachers = new List<Teacher>();

foreach (string line in lines)

{

string[] column = line.Split(',');

Teacher teacher = new Teacher();

teacher.Id = column[0];

teacher.FirstName = column[1];

teacher.LastName = column[2];

teacher.CClass = column[3];

teacher.Section = column[4];

listTeachers.Add(teacher);

}

Console.WriteLine(content);

}

Console.WriteLine("Rainbow School's Teacher Records\n1.update\n2.delete\n3.search\n4.display\n5.save");

Console.WriteLine("Enter option:");

int option = Convert.ToInt32(Console.ReadLine());

InvalidOperationException(option);

static void update()

{

string UIId = "";

string UIFirstName = "";

string UILastName = "";

string UIClass = "";

string UISection = "";

using (FileStream fs = new FileStream(@"C:\Project\Teacher.txt", FileMode.Append))

using (StreamWriter sw = new StreamWriter(fs))

{

Teacher teacher = new Teacher();

teacher.Id = UIId;

teacher.FirstName = UIFirstName;

teacher.LastName = UILastName;

teacher.CClass = UIClass;

teacher.Section = UISection;

Console.WriteLine("Enter data to update:");

Console.WriteLine("Enter Teacher Id:");

UIId = Console.ReadLine();

Console.WriteLine("Enter Teacher First name:");

UIFirstName = Console.ReadLine();

Console.WriteLine("Enter Teacher Last name:");

UILastName = Console.ReadLine();

Console.WriteLine("Enter Teacher Class:");

UIClass = Console.ReadLine();

Console.WriteLine("Enter Teacher Section:");

UISection = Console.ReadLine();

string fullText = (UIId + "," + UIFirstName + "," + UILastName + "," + UIClass + "," + UISection);

sw.WriteLine(fullText);

Console.ReadLine();

}

}

static void delete()

{

string id;

Console.WriteLine("Enter Id to delete:");

id = Console.ReadLine();

foreach (Teacher t in listTeachers)

{

if (t.Id == id)

{

listTeachers.Remove(t);

break;

}

}

}

static void save()

{

int count = 0;

string[] arr = new string[listTeachers.Count];

foreach (Teacher t in listTeachers)

{

string s = $"{t.Id},{t.FirstName},{t.LastName},{t.CClass},{t.Section}";

arr[count] = s;

count++;

}

File.WriteAllLines(@"C:\Project\teacher.txt", arr);

}

static void display()

{

List<Teacher> listTeachers1 = new List<Teacher>();

string teacherfile = "C:\\Project\\Teacher.txt";

string[] arrteacher = System.IO.File.ReadAllLines(teacherfile);

foreach (string line in arrteacher)

{

string[] l = line.Split(',');

Teacher teacher = new Teacher();

teacher.Id = l[0];

teacher.FirstName = l[1];

teacher.LastName = l[2];

teacher.CClass = l[3];

teacher.Section = l[4];

listTeachers1.Add(teacher);

}

foreach (Teacher s in listTeachers1)

{

Console.WriteLine($"{s.Id},{s.FirstName},{s.LastName},{s.CClass},{s.Section}");

}

}

//while (true)

static void Operation(int option, string UIClass)

{

switch (option)

{

case 1:

update();

break;

case 2:

delete();

break;

case 3:

search();

break;

case 4:

display();

break;

case 5:

save();

break;

default:

Console.WriteLine("Invalid");

break;

}

}

}

private static void InvalidOperationException(int option)

{

throw new NotImplementedException();

}

private static void Operation(int option)

{

throw new NotImplementedException();

}

private static void search()

{

throw new NotImplementedException();

}

}

}

The  GitHub repositories link : <https://github.com/Prathmesh2702/Project>