School Management System Project's Topic

The school management system is a web-based system which will use as a platform for interaction between student, teachers. While the main objective of this project is to computerize the paperwork in the system and automate the work. The computerization is done so that the storage of all the details regarding students and teachers will be stored in the system which makes system centralized and the chance of duplication of any data is minimized. While by doing automation to the system will reduce the time for storing any data in the system.

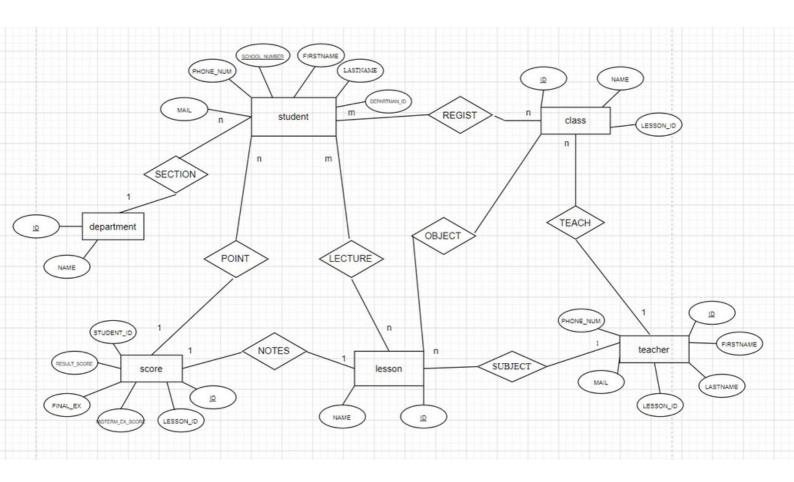
Problem with existing system

In the present School Management System, it is uneasy to store the information related to students, faculty on the paper. As there is too many information when someone tries to access any of stored information it becomes a difficult and time-consuming task. While these days parents and faculty have more work than just take care of students it is difficult for both parents and faculty to monitor them. Whereas the storing and retrieving an information is a difficult task, it also requires much amount of unnecessary worker to do the task

Recommended system

The school management system will manage grades and specific jobs in any school, thus reducing the time requirement and complexity of the system, focusing primarily on student-related information. Once a student is accepted into the school system, they will begin to manage the details about the students. We will be able to see which department the student is registered to, the grades he has taken, and the professors of the department in the system.

Er schemas



Mapping of ER diagrams

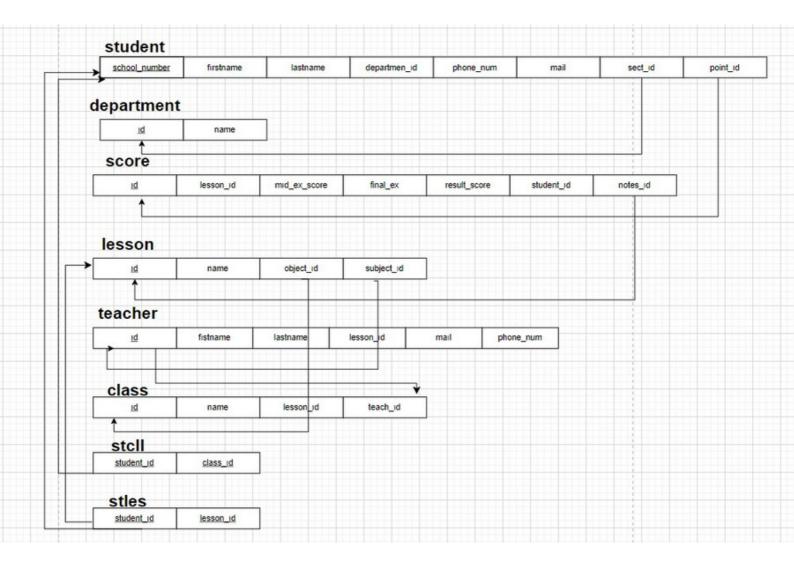
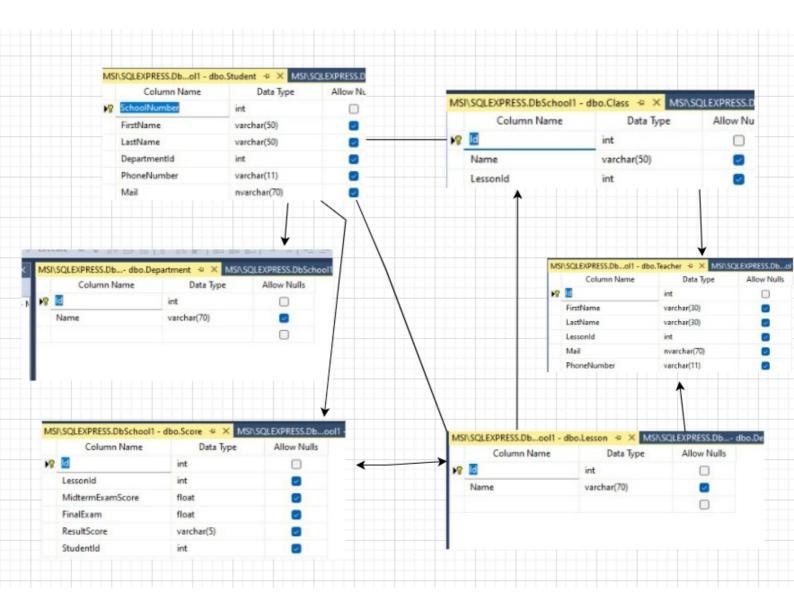
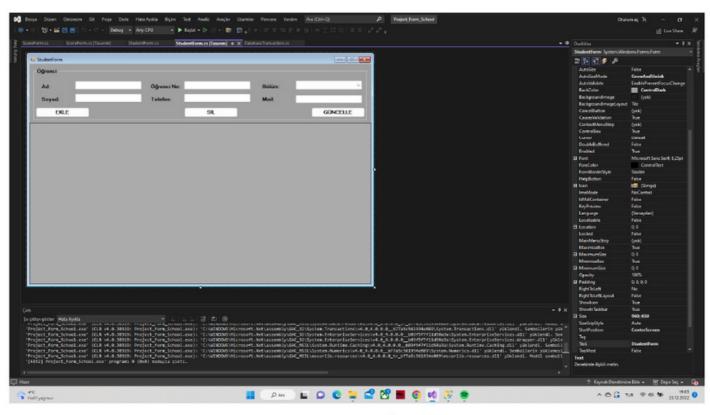


Table descriptions (Schemas)



Description of functionalities for every interface design



```
using System.Collections.Generic;
using System.ComponentModel;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
        public Form1()
            InitializeComponent();
        private void fdgfdgdfToolStripMenuIten_Click(object sender, EventArgs e)
        private void button1_Click(object sender, EventArgs e)
            form.Show();
        private void button3_Click(object sender, EventArgs e)
            TeacherForm form = new TeacherForm();
            form.Show();
        private void button2 Click(object sender, EventArgs e)
            ScoreForm form = new ScoreForm();
            form.Show();
```

Buttons with simple IU codes have been added with C#.It was added on the design, which is a ready-made template with added button codes.

```
| The content of the
```

The next photo shows the codes of the screen where student notes are added. It is written in C# with the IU creation technique.

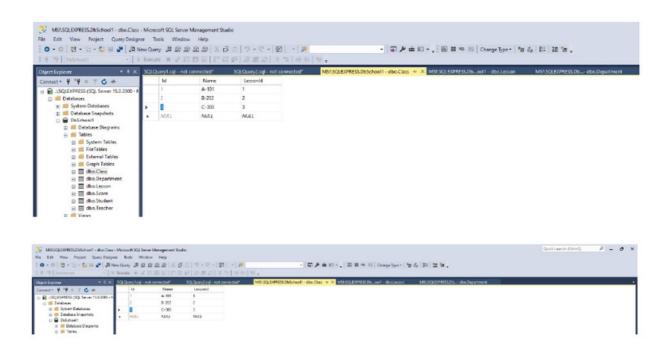
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The interface of the program was created with C#, then different codes were connected with a single name. After the created buttons, the feedback comes out with a smaller screen message. Text sections and buttons were created with the ready-made texts. Later, the simple design of the created interface (color, button thickness, text box, etc.) was corrected via Visiul Studio.

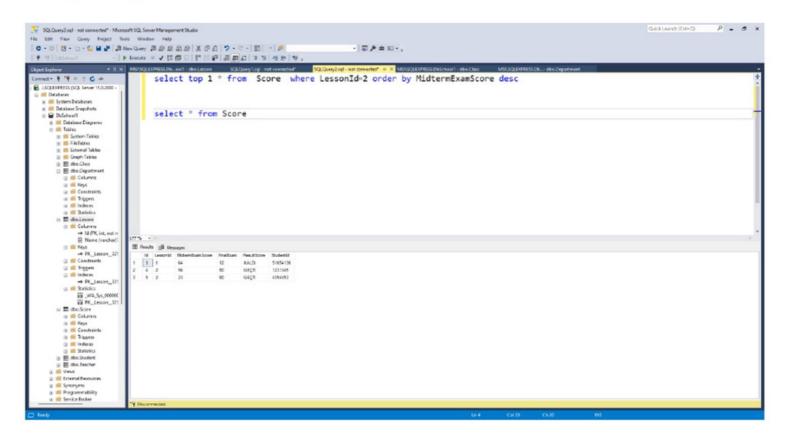
TABLES

```
DARD.
                        go
                        use DbSchool1
                        go
                        create table Class(
Id int identity primary key,
                        Name varchar(50),
                        LessonId int ,
                        create table Department(
                        Id int identity primary key,
Name varchar(70)
                        create table Lesson(
Id int identity primary key,
                        Name varchar(70)
                        create table Student(
                        SchoolNumber int primary key,
                        FirstName varchar(50).
                        LastName varchar(50),
                        DepartmentId int,
                        Mail nvarchar(70)
```

The tables were made with SQL.We created the tables according to our ER diagram that we drew at first.Added information and character sizes that will be in the tables.No Course and Section limits have been set.

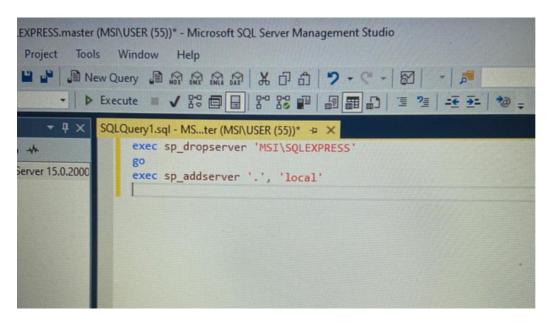


SQL QUERY



We have assigned numbers to the lessons in the lessons file we have created. We created the Show the highest grade query from lesson number 2 in SQL from the numbers we assigned, and we defined the query in C# and pulled it from the data we created in SQL.

Whole Project codes with class names



```
create table Department(
   Id int identity primary key,
   Name varchar(70)
   )

create table Lesson(
   Id int identity primary key,
   Name varchar(70)
   )

create table Student(
   )

i Messages
   Commands completed successfully.

Completion time: 2022-12-23T19:14:47.2029574+03:00
```

```
Query Repair Commands completed successfully.
```

```
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             SQLQuery1.sql - (lo...ter (MSI\USER (56))* -= X
  C +
                    FirstName varchar(50),
QL Server 15.0.2000 - 1
                    LastName varchar(50),
atabases
                    DepartmentId int.
Snapshots
                    PhoneNumber varchar(11),
abase
ase Diagrams
                    Mail nvarchar(70)
nal Resources
nyms
ammability
                  Ecreate table Teacher(
e Broker
                    Id int identity primary key,
                   FirstName varchar(30),
                    LastName )
             177 %
              Messages
                 Commands completed successfully
```

```
Git Proje Derle Hata Ayıkla Test Analiz Araçlar Uzantılar Pencere Yardım Ara (Ctrl+Q)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Project_Form_Sci
   | り・C・ | Debug - Any CPU - Design - Design - Design - Design - Debug - Any CPU - Design - Design - Design - Debug - 
oreForm.cs [Tasarım]* StudentForm.cs StudentForm.cs [Tasarım] DatabaseTransaction.cs*

    Enbutton4_Click(object sender, Event.

                                                                                                                                                                                               · Project_Form_School.ScoreForm
                     int number = 0;
                    1 başvuru
private void <u>button2_Click(object sender</u>, EventArgs e)
                                            DatabaseTransaction db = new DatabaseTransaction();
                                           db.veritabaniBaglan();
db.ScoreUpdate(scoreid, txtMidtermExamScore.Text, txtFinalExamScore.Text, dataGridView1);
ClearTextBox();
                         1 başvunı
private void <u>button4_Click(object sender,</u> EventArgs e)
                                                                   DatabaseTransaction db = new DatabaseTransaction();
db.veritabaniBaglan();
db.Getter(dataGridView2);
                                                                     string studentnumber = dataGridView2.Rows[0].Cells[5].Value.ToString();
string vize = dataGridView2.Rows[0].Cells[3].Value.ToString();
                                                                     MessageBox.Show("Öğrenci Numarası:" + studentnumber + "\n" + "Vize Notu:" + vize);
                                                   catch (Exception)
                                               1 1 1 3 - 1
               A 1
    Ayıkla

ODL.EAR (CLR V4.0.30319: Project_Form_School.exe): 'C:\MINDOWS\Microsoft.Net\assembly\GAC_32\System.EnterpriseServices\v4.0_4.0.0.0_b03f

OOL.EXE' (CLR V4.0.30319: Project_Form_School.exe): 'C:\MINDOWS\Microsoft.Net\assembly\GAC_32\System.EnterpriseServices\v4.0_4.0.0.0_b03f

OOL.EXE' (CLR V4.0.30319: Project_Form_School.exe): 'C:\MINDOWS\Microsoft.Net\assembly\GAC_MSIL\System.Runtime.Caching\v4.0_4.0.0.0_b03f

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