Student Grade Management System
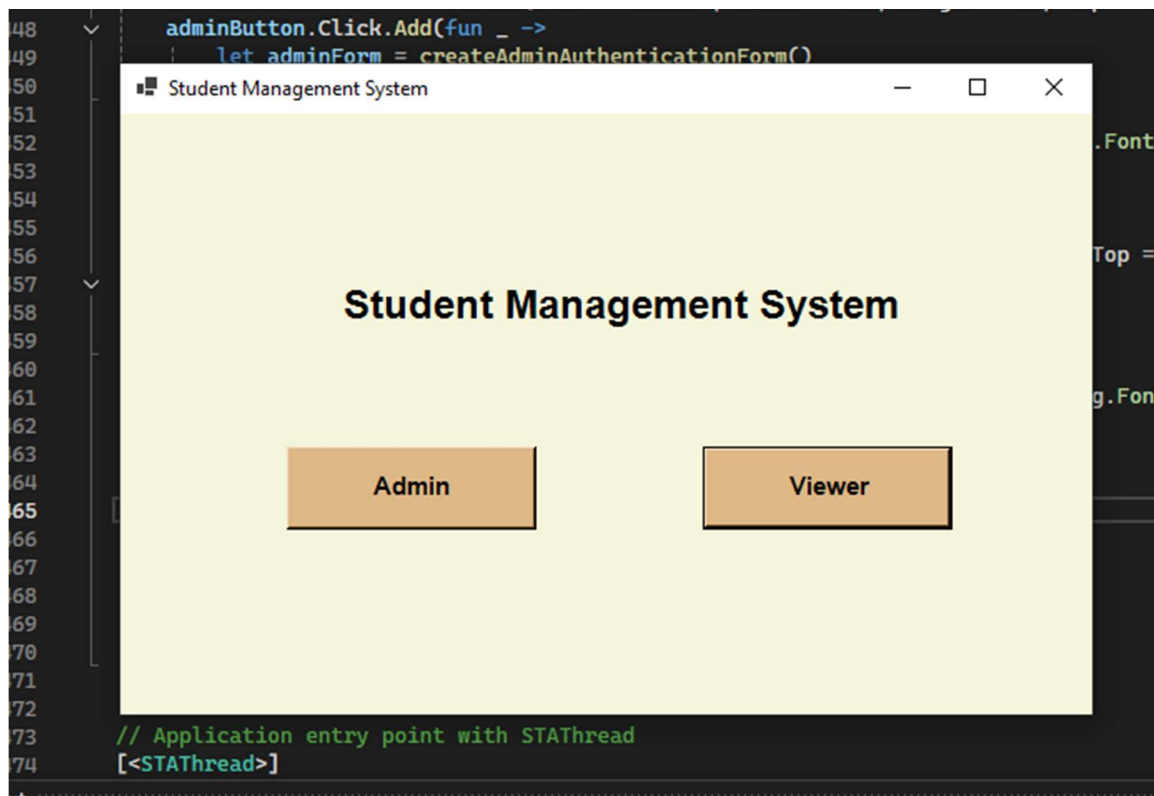
User has 2 options to act as admin or viewer

User Roles:
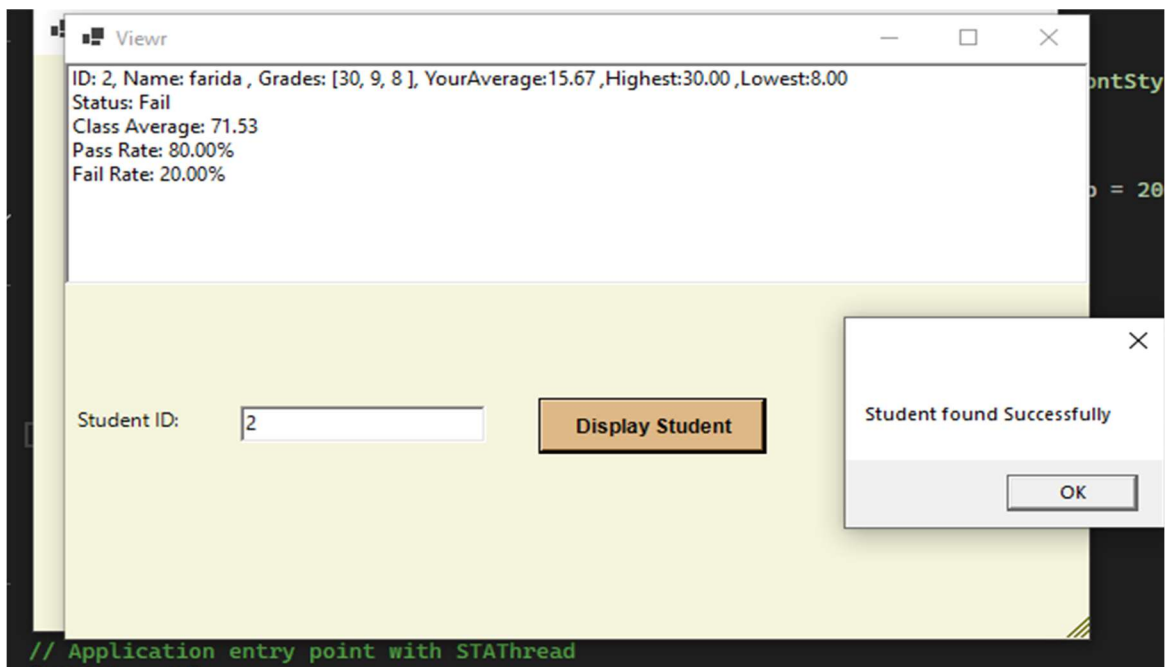
o **Admin:** Full control over the database and grade editing.

o **Viewer:** Read-only access to grades and reports.
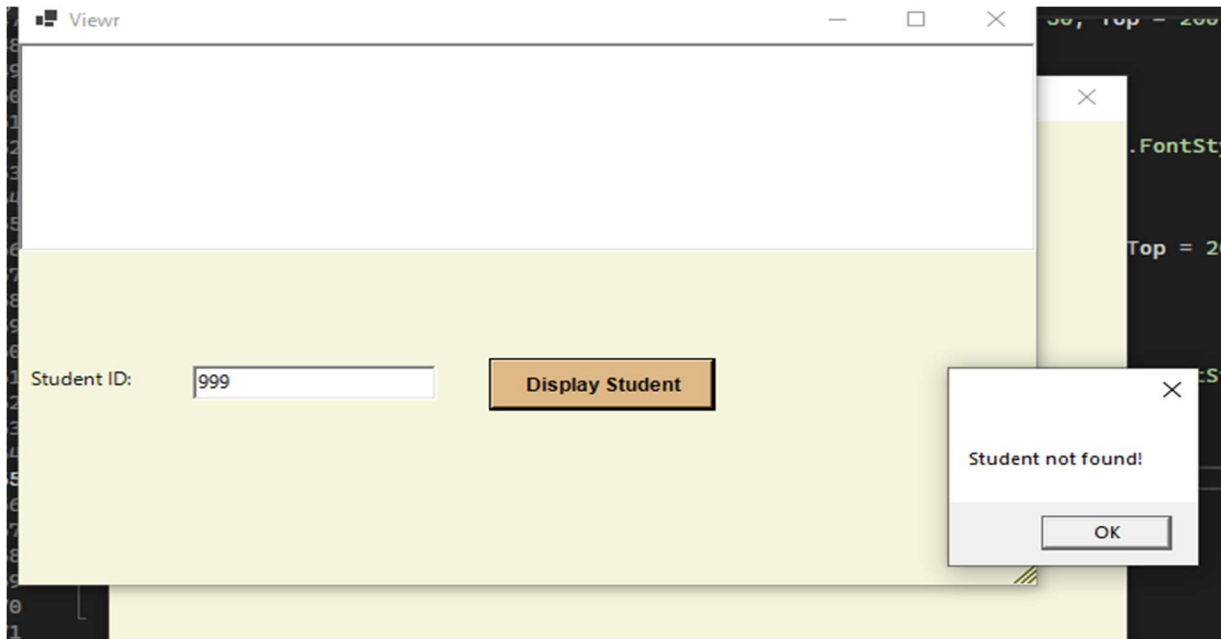
After chose viewer option

viewer can display specific student information by using id

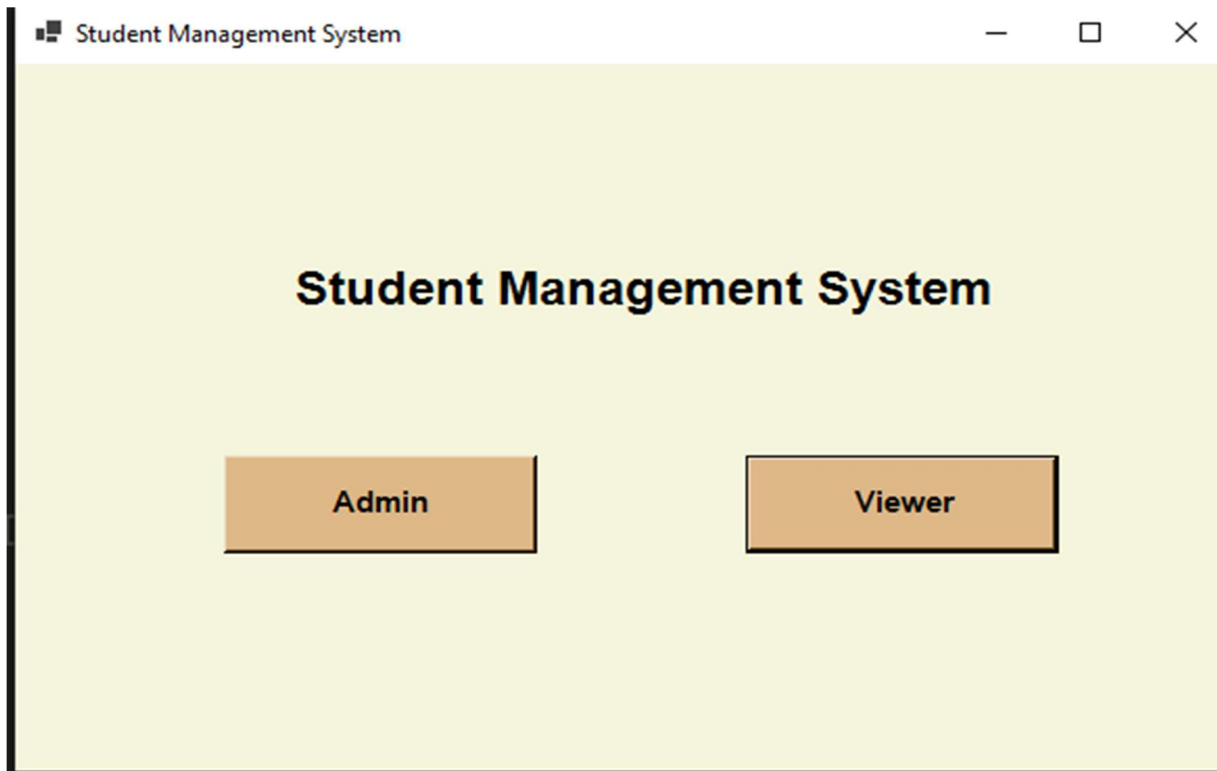If student exists , we will show the reports of student information
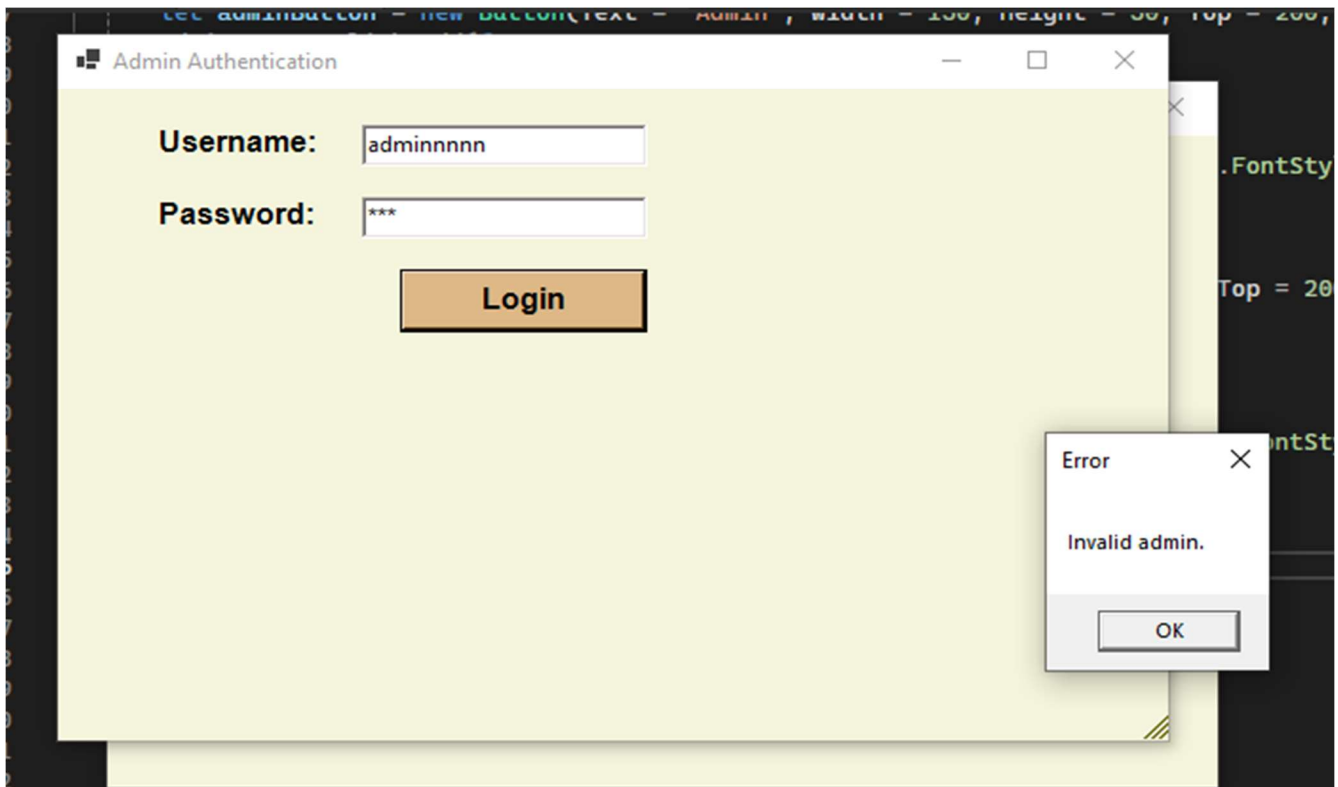
If id not exist in DB(Json file)

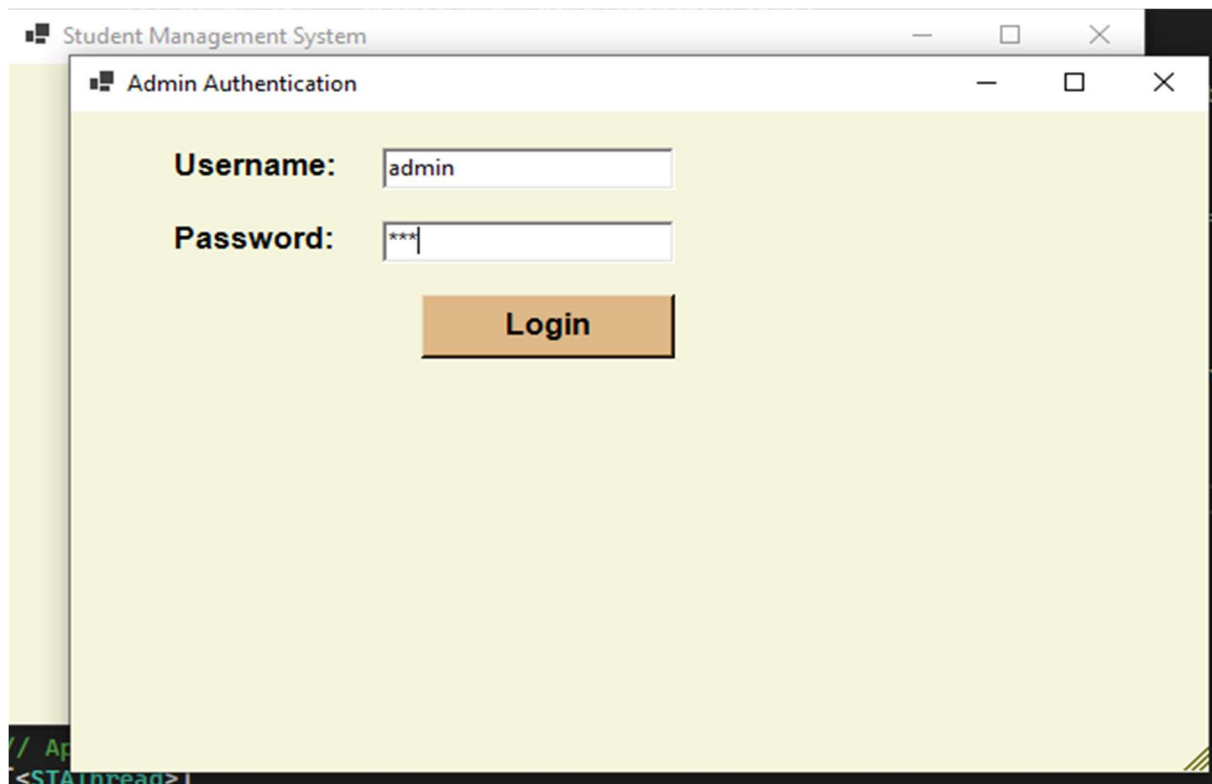--OR------------------------------------
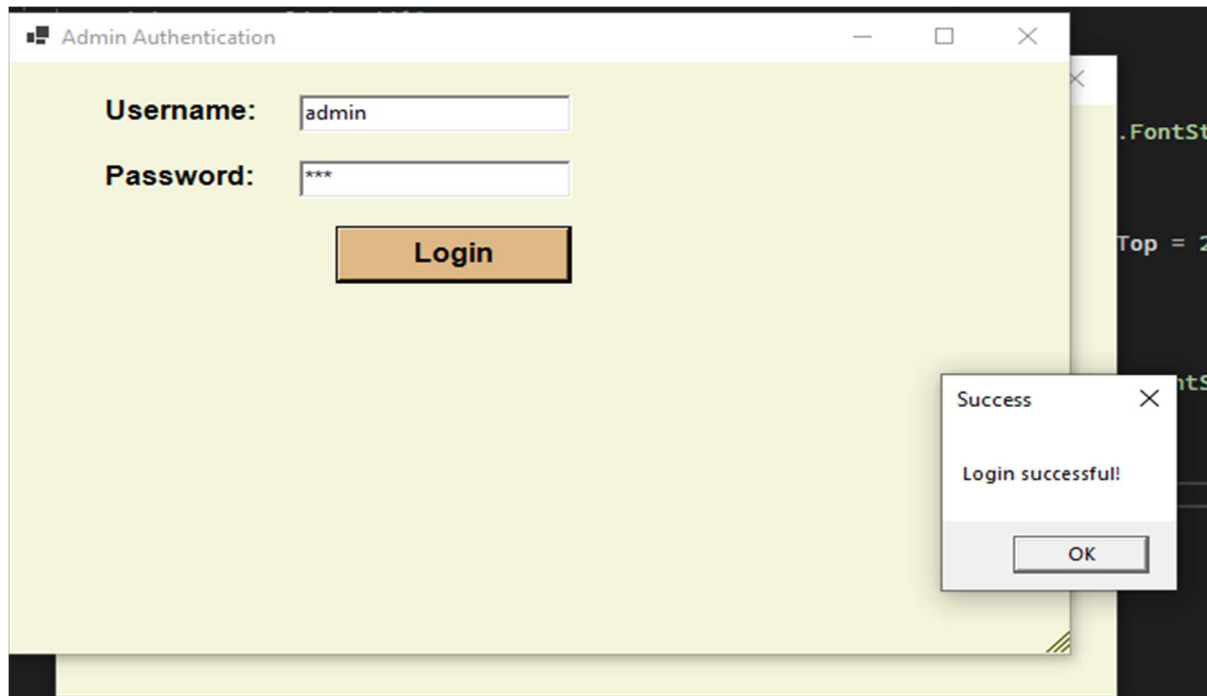
After chose admin option

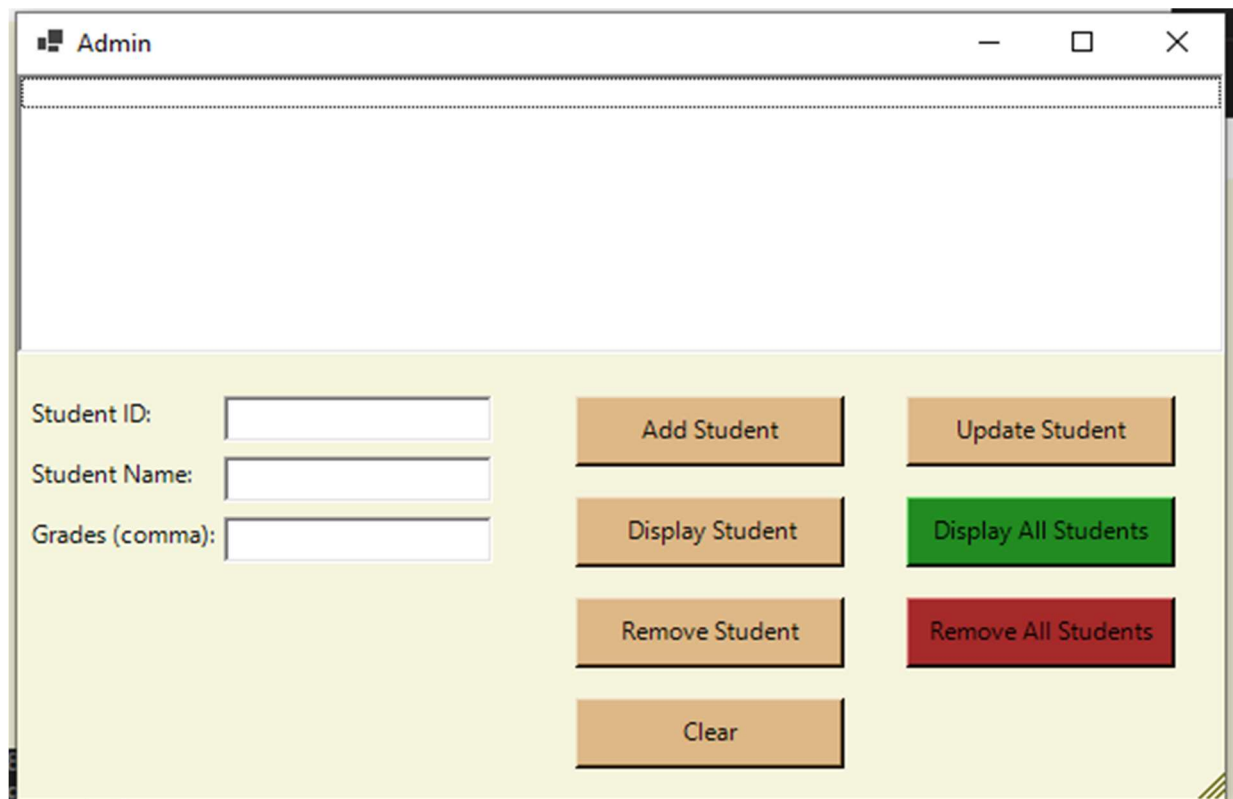We must authenticate user with (username: admin, password:123)

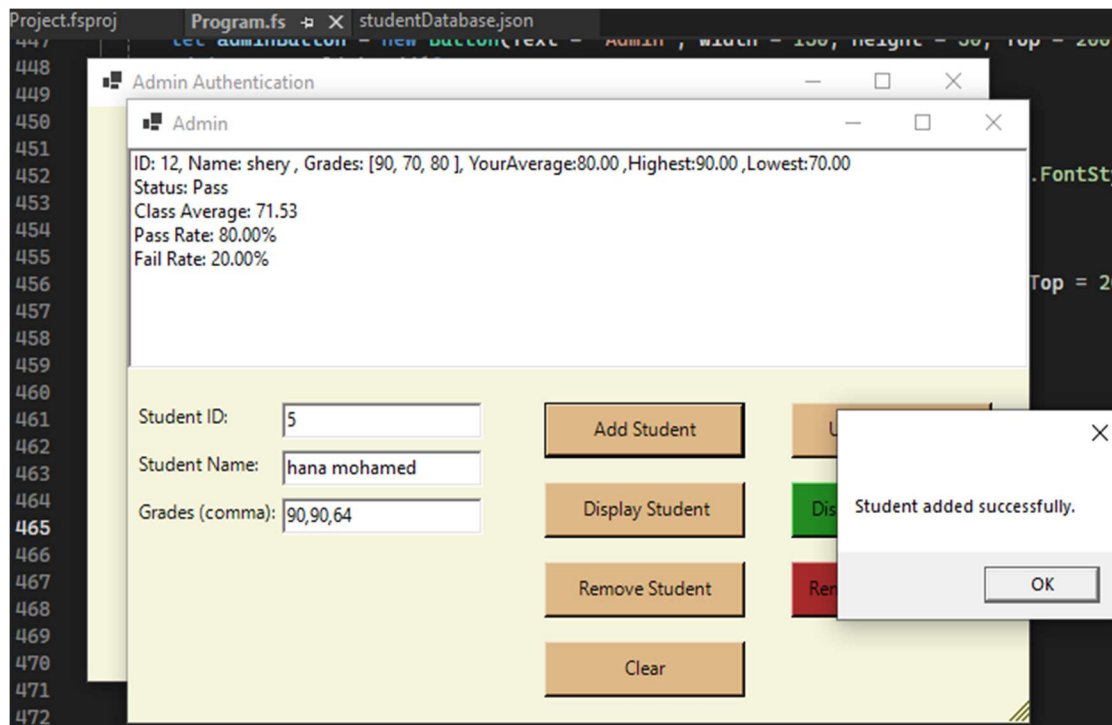After writing correct authentication

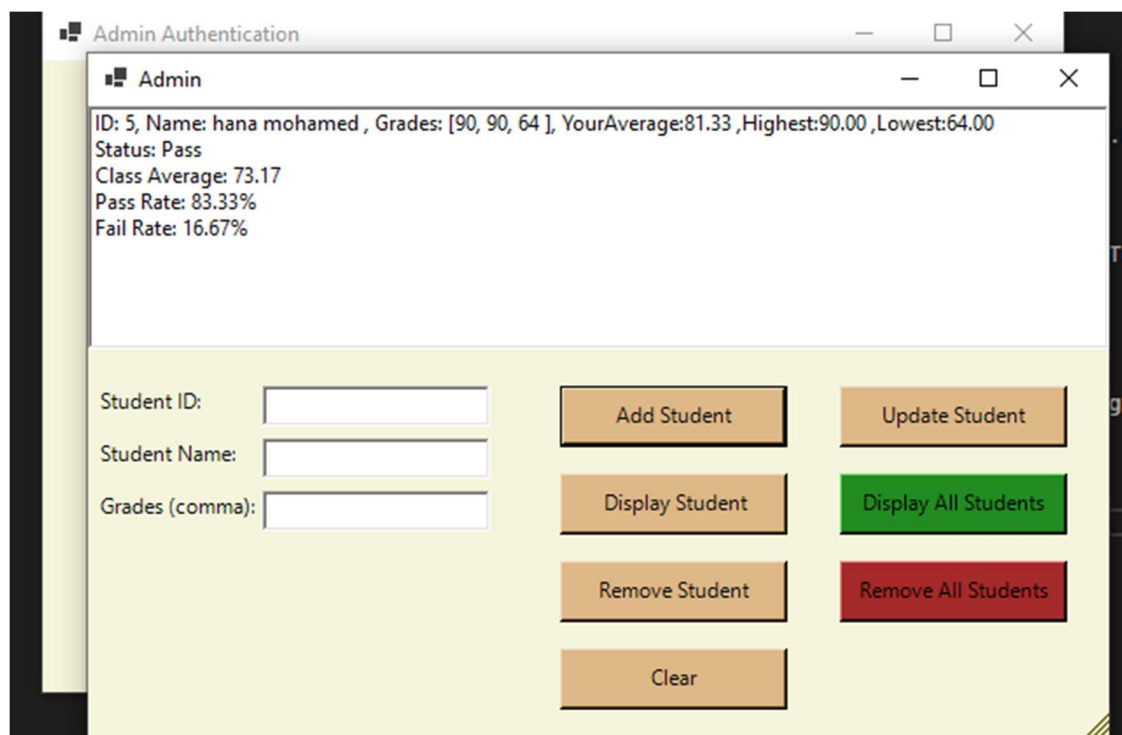## After write correct authentication

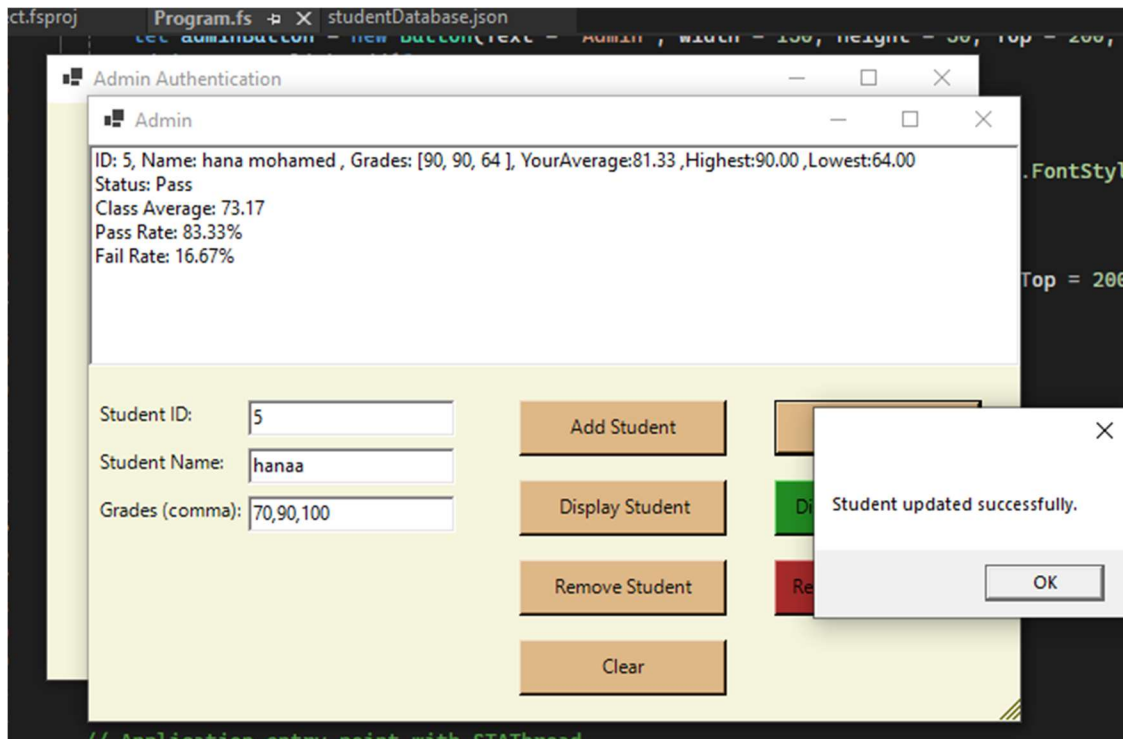## Admin has Full control over the database(Json file) and grade editing
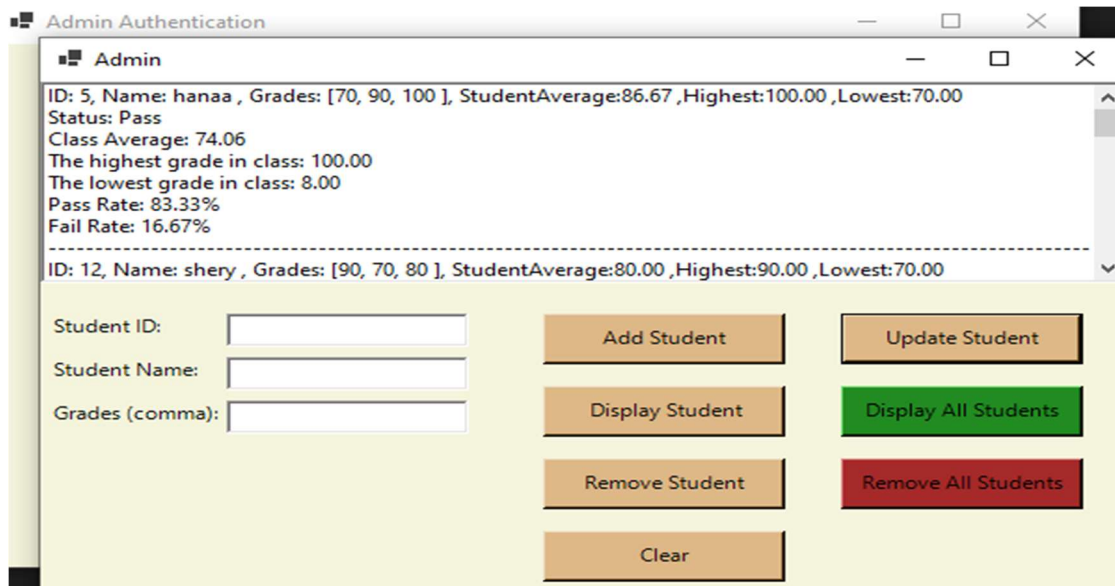
1) Add student

After adding it will display the new student after make grade management functions
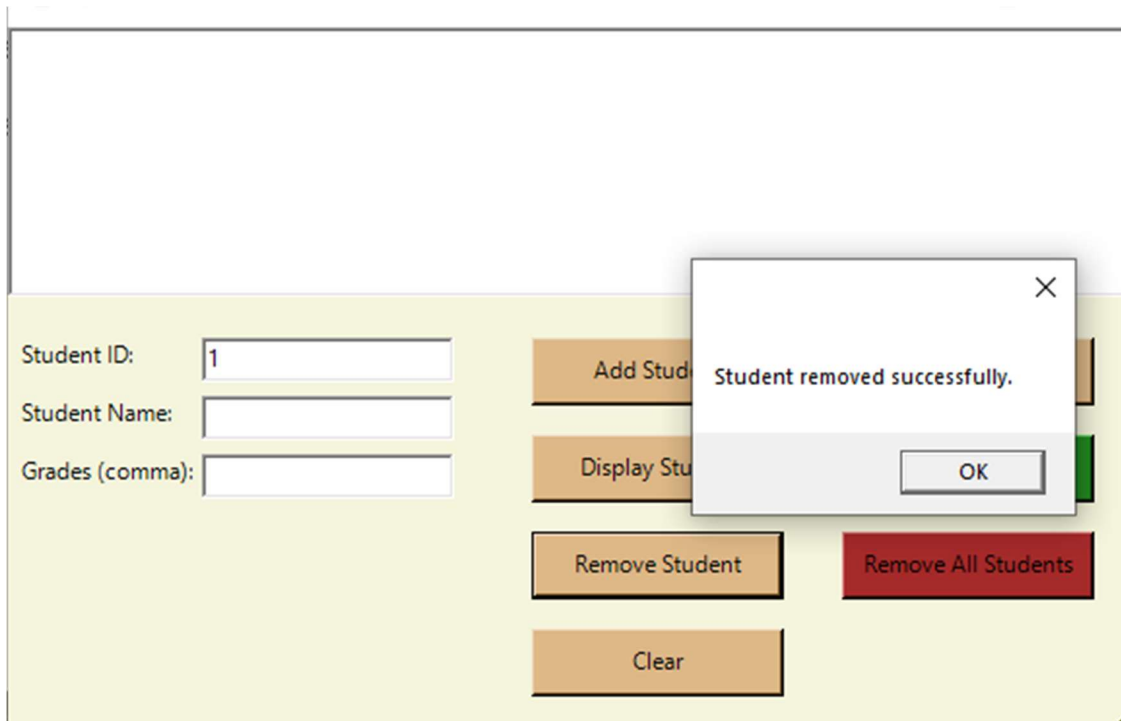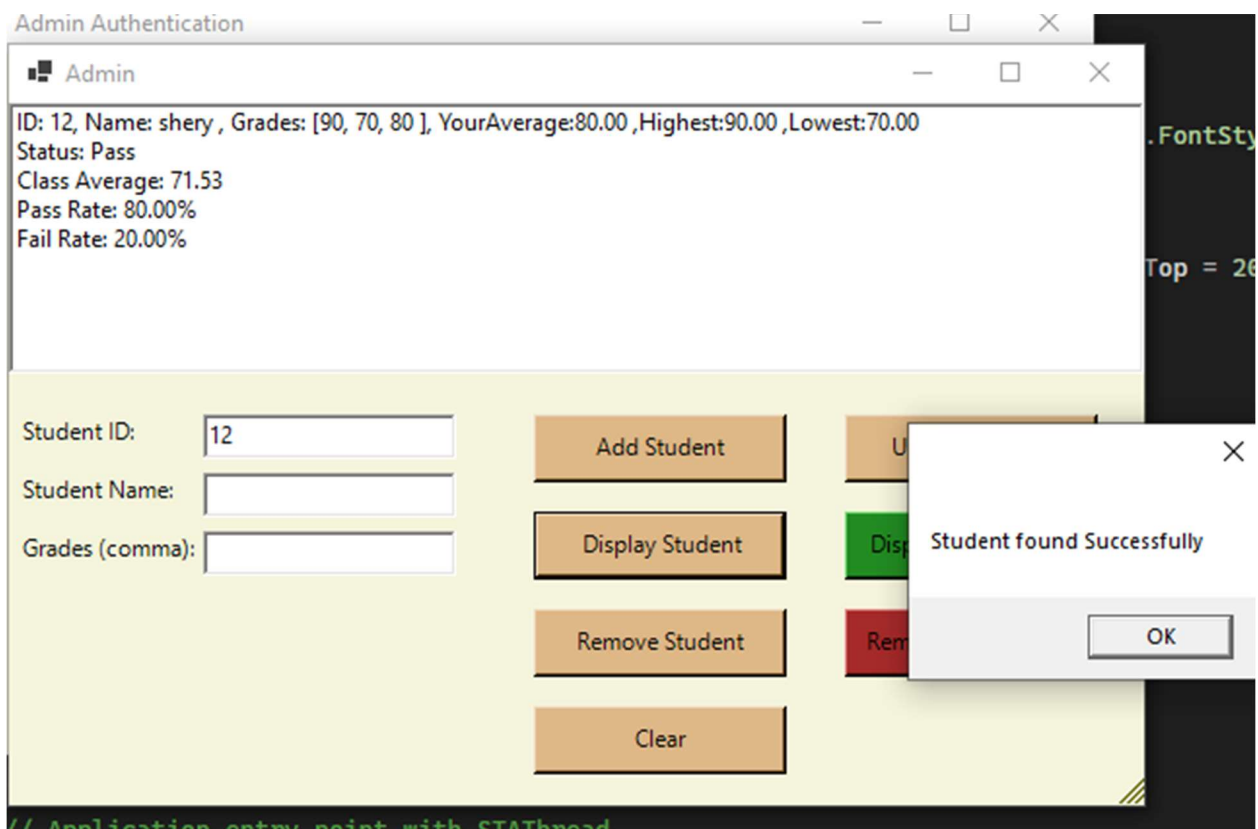
Update student information with id =5

After updating student information in DB we will display updated information in gui
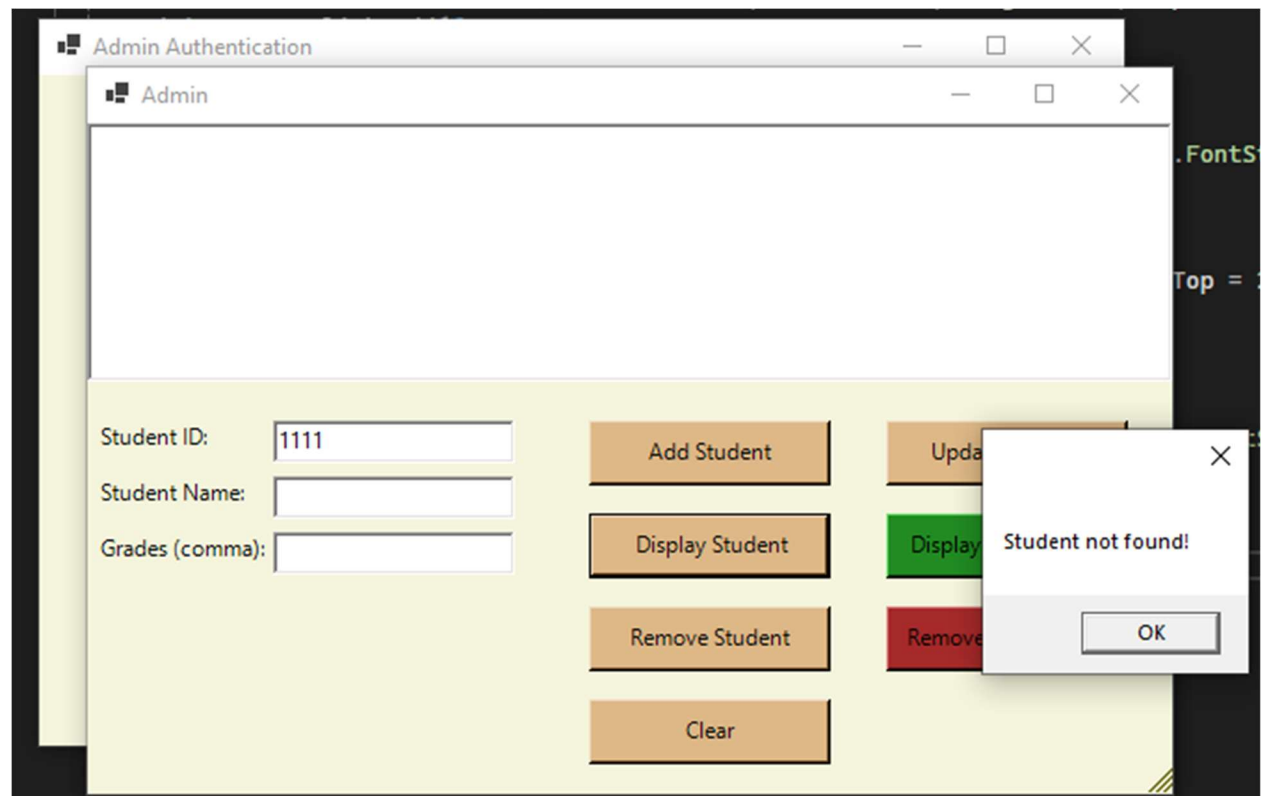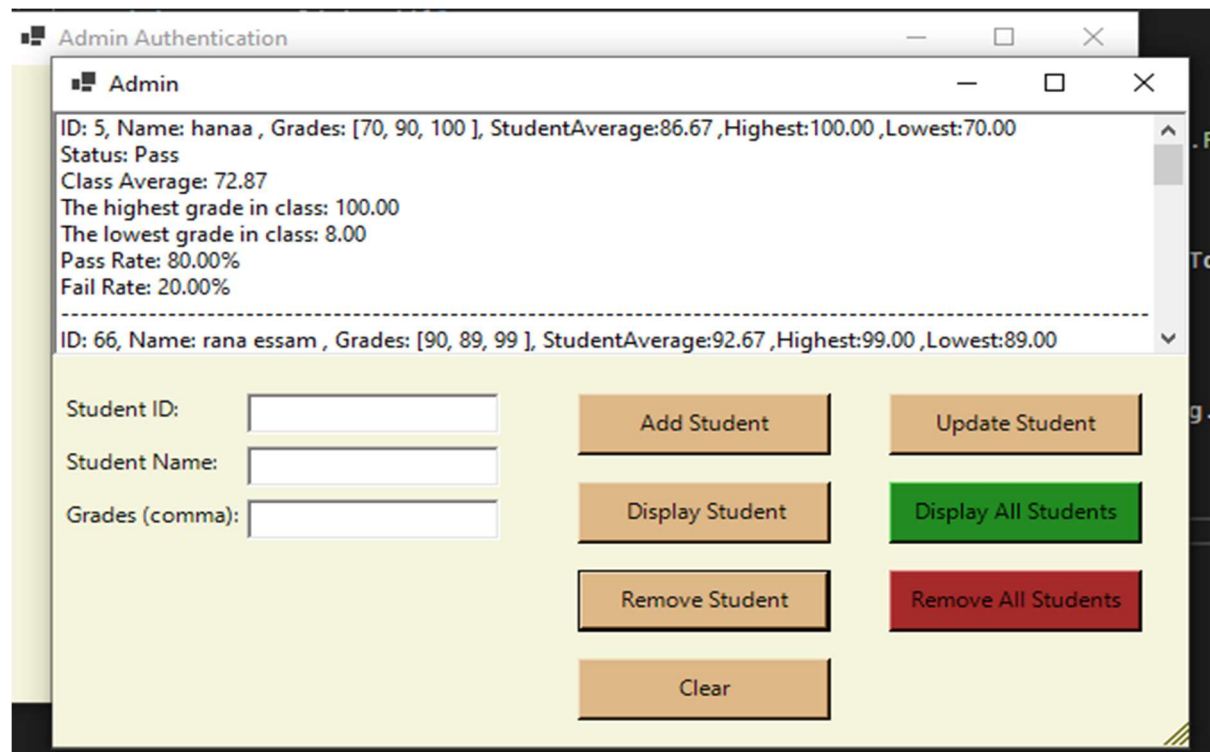
3)remove student by id it will reflect in DB

Student ID: 1

Student Name:

Grades (comma):

Add Stud...

Display Stu...

Remove Student

Remove All Students

Clear

Student removed successfully.

OK

4)display specific student by id

Admin Authentication

Admin

ID: 12, Name: shery , Grades: [90, 70, 80], YourAverage:80.00 ,Highest:90.00 ,Lowest:70.00
Status: Pass
Class Average: 71.53
Pass Rate: 80.00%
Fail Rate: 20.00%

.FontSty

Top = 26

Student ID: 12

Student Name:

Grades (comma):

Add Student

U...

Display Student

Dis...

Remove Student

Rem...

Clear

Student found Successfully

OK

display specific student by id not exists

5)display all students from DB

6) we can delete all students in DB

7) clear for clear window