

FINAL PROJECT REPORT

SCHOOL RESULT MANAGEMENT SYSTEM

F.O.P

ABSTRACT:

This is a simple C programming language project. The purpose of this program is to help user manage the result system, input student's grades, view overall result list, view average score, search for particular student's grade report & modify their grades. Lastly, exit the program whenever user wants to. The interface is simple & easy to operate, it also contains username and password to protect user account. This program is able to save student's grades and read, write files.

This program uses all the concepts of programming we have learned till date, we have the used structures, 3 header libraries, data types (int, float, char), loops, temporary variables, functions, if-else condition, switch case, bubble sorting.

When you run this program, you will have "Administrator log-in form", as soon as you login into administrator account, you'll encounter 6 options:

1. Add students' grades.
2. View all results.
3. Average score of the class.
4. Find students' score.
5. Modify students' grades.
0. Exit.

You can select an option as per your need & add, save, modify the result.

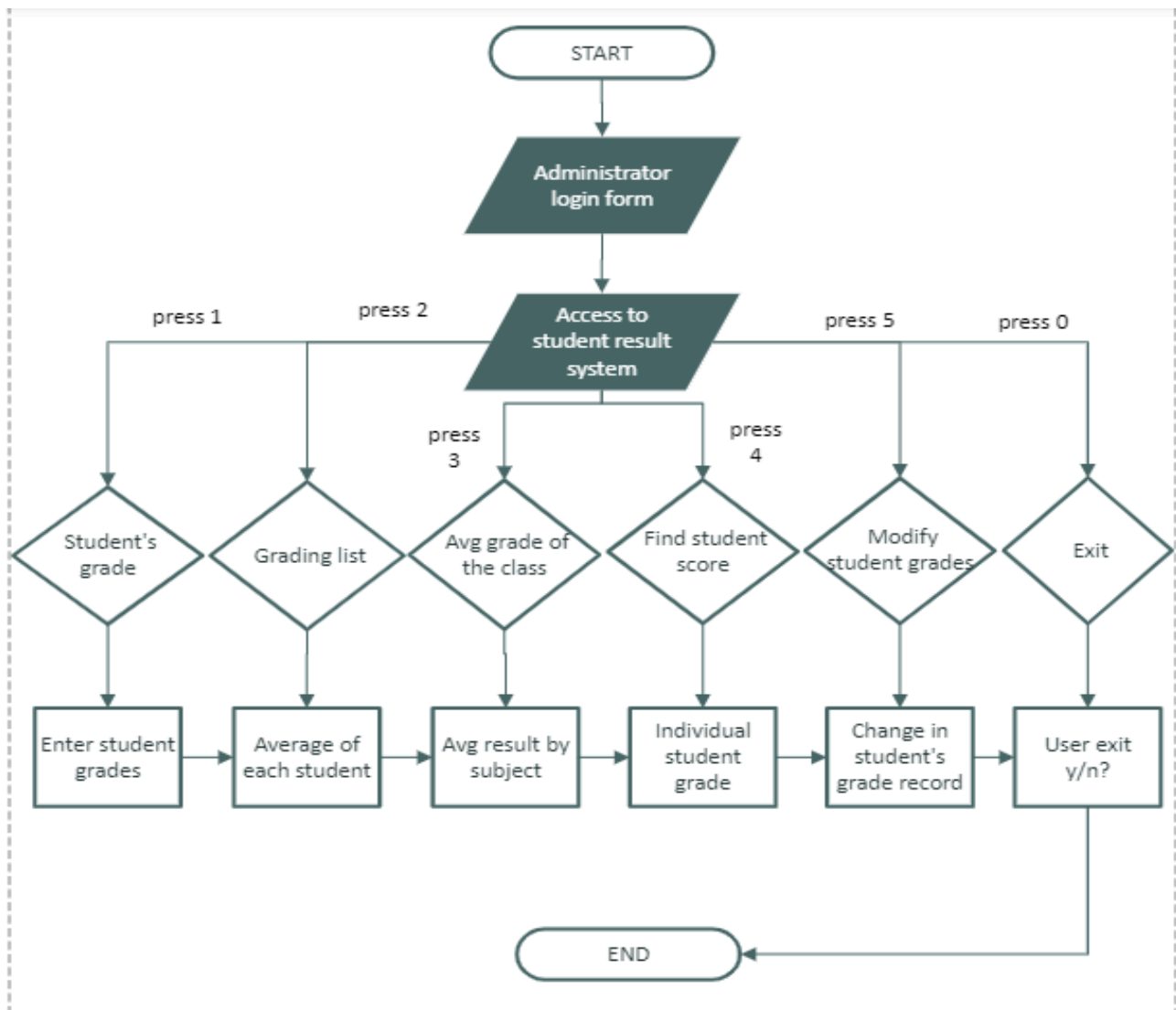
FEATURES:

- It requires username & password, providing the user a safe space to work.
- It facilitates the user to add, as well as save the information at that moment & display the results in form of list.
- It will provide the overall average score by subjects.
- User can edit or modify all the information of the student after giving the input including their name.
- User can search any particular student's record by their ID number.
- User can directly exit from the program whenever they want to.

ALGORITHM:

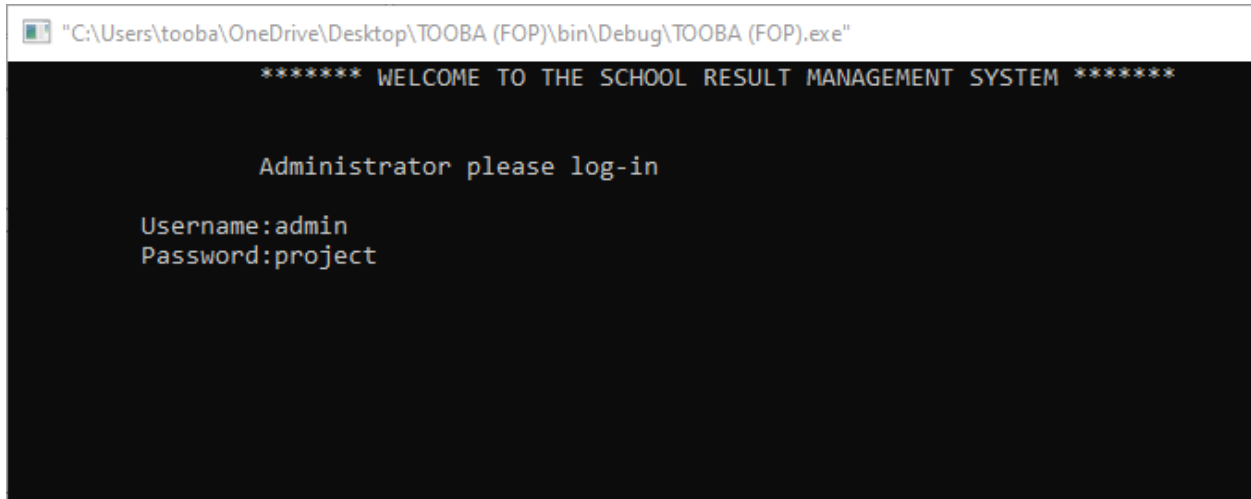
1. START
2. INPUT USERNAME & PASSWORD
3. ACCESS OPTIONS
4. SELECT OPTION:
 - INPUT STUDENTS' GRADES
 - DISPLAY GRADING LIST
 - DISPLAY AVERAGE SCORE
 - SEARCH STUDENT RESULT
 - MODIFY GRADE
 - EXIT
5. END

FLOWCHART:



OUTPUT:

- Administrator Login Form

A screenshot of a Windows command prompt window titled "C:\Users\tooba\OneDrive\Desktop\TOOBA (FOP)\bin\Debug\TOOBA (FOP).exe". The window has a black background with green text. It displays a welcome message, a login prompt for administrators, and the successful login credentials: Username:admin and Password:project.

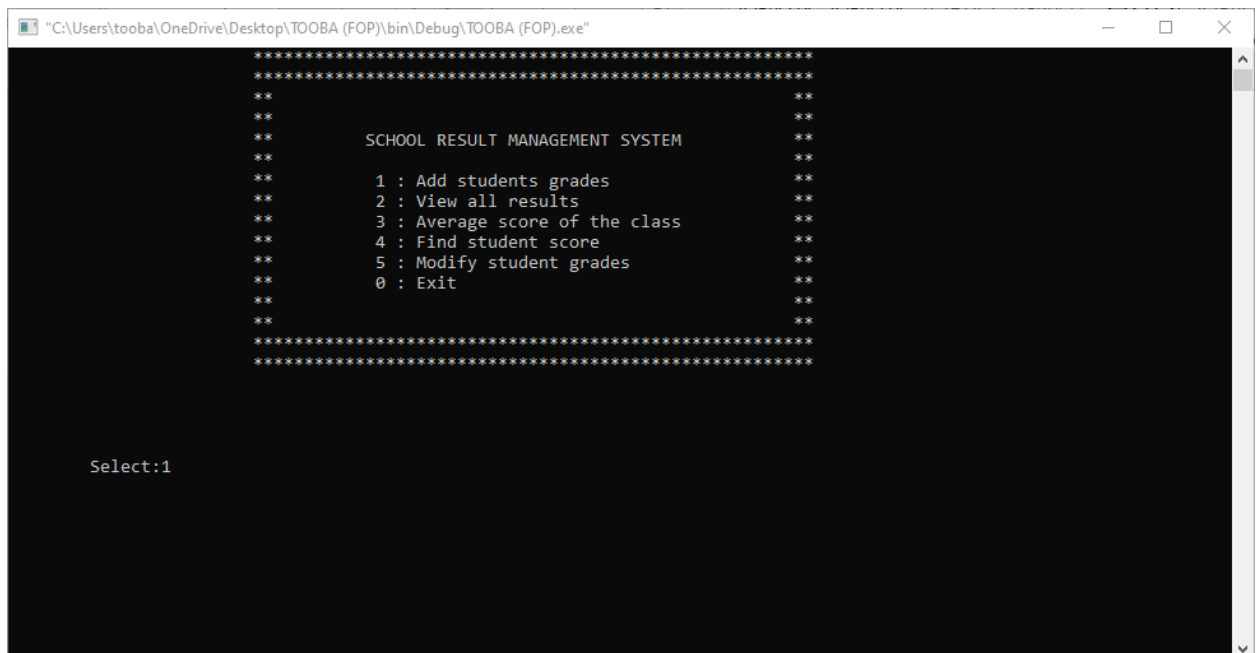
```
"C:\Users\tooba\OneDrive\Desktop\TOOBA (FOP)\bin\Debug\TOOBA (FOP).exe"

***** WELCOME TO THE SCHOOL RESULT MANAGEMENT SYSTEM *****

Administrator please log-in

Username:admin
Password:project
```

- Main interface and option for user to select.

A screenshot of a Windows command prompt window titled "C:\Users\tooba\OneDrive\Desktop\TOOBA (FOP)\bin\Debug\TOOBA (FOP).exe". The window has a black background with green text. It displays a menu for the "SCHOOL RESULT MANAGEMENT SYSTEM" with options: 1 : Add students grades, 2 : View all results, 3 : Average score of the class, 4 : Find student score, 5 : Modify student grades, and 0 : Exit. Below the menu, it says "Select:1".

```
"C:\Users\tooba\OneDrive\Desktop\TOOBA (FOP)\bin\Debug\TOOBA (FOP).exe"

*****
**                                     **
**                                     **
**      SCHOOL RESULT MANAGEMENT SYSTEM      **
**                                     **
**      1 : Add students grades              **
**      2 : View all results                  **
**      3 : Average score of the class        **
**      4 : Find student score                **
**      5 : Modify student grades             **
**      0 : Exit                             **
**                                     **
*****

Select:1
```

- Input students grades along with name and I.D.

```
"C:\Users\tooba\OneDrive\Desktop\TOOBA (FOP)\bin\Debug\TOOBA (FOP).exe"

Select:1
Enter 1 student ID:12
Enter 1 student name:sandhya
Enter 1 student Math score:85
Enter 1 student English score:75
Enter 1 student Science score:88
Enter 1 students Urdu marks:81

Enter 2 student ID:13
Enter 2 student name:rida
Enter 2 student Math score:75
Enter 2 student English score:71
Enter 2 student Science score:65
Enter 2 students Urdu marks:80

Enter 3 student ID:14
Enter 3 student name:tooba
Enter 3 student Math score:70
Enter 3 student English score:80
Enter 3 student Science score:76
Enter 3 students Urdu marks:65
```

- Display result grade list.

```
"C:\Users\tooba\OneDrive\Desktop\TOOBA (FOP)\bin\Debug\TOOBA (FOP).exe"

num    ID    name    Math    English Science Urdu    Average
1      12    sandhya 85.00   75.00   88.00   81.00   82.25
2      13    rida    75.00   71.00   65.00   80.00   72.75
3      14    tooba   70.00   80.00   76.00   65.00   72.75

Press any key to exit:
```

- Display the overall average score by subjects.

```
"C:\Users\tooba\OneDrive\Desktop\TOOBA (FOP)\bin\Debug\TOOBA (FOP).exe"

*****
*****
**
**
**      SCHOOL RESULT MANAGEMENT SYSTEM      **
**
**      1 : Add students grades                **
**      2 : View all results                   **
**      3 : Average score of the class         **
**      4 : Find student score                 **
**      5 : Modify student grades             **
**      0 : Exit                               **
**
**
*****
*****

      Select:3
Average score of the class:
Math      : 21.25
English   : 18.75
Science   : 22.00
Urdu      : 20.25

Press any key to go back:
```

- Searching student's record by I.D.

```
"C:\Users\tooba\OneDrive\Desktop\TOOBA (FOP)\bin\Debug\TOOBA (FOP).exe"

      Select:4
Enter the student ID : 12
```

```
"C:\Users\tooba\OneDrive\Desktop\TOOBA (FOP)\bin\Debug\TOOBA (FOP).exe"
num      ID      name      Math      English      Science
12      sandhya 85.00    75.00    88.00          82.25
Press any key to go back :
```

- Modifying any student's record.

```
"C:\Users\tooba\OneDrive\Desktop\TOOBA (FOP)\bin\Debug\TOOBA (FOP).exe"

Select:5
Enter modified student ID:
14
Enter student name: ajia
Enter student Math score: 65
Enter student English score: 72
Enter student Science score:
```

```
"C:\Users\tooba\OneDrive\Desktop\TOOBA (FOP)\bin\Debug\TOOBA (FOP).exe"

num    ID    name    Math    Eng    Science Urdu    average
0      12    sandhya 85.00    75.00    88.00    81.00    82.25    0.00
1      13     rida   75.00    71.00    65.00    80.00    72.75    0.00
2      14     ajia   65.00    72.00    50.00    65.00    63.00    0.00

Press any key to go back :
```

- Exit from the program whenever user want to.

```
"C:\Users\tooba\OneDrive\Desktop\TOOBA (FOP)\bin\Debug\TOOBA (FOP).exe"

**
**      SCHOOL RESULT MANAGEMENT SYSTEM      **
**
**      1 : Add students grades                **
**      2 : View all results                   **
**      3 : Average score of the class         **
**      4 : Find student score                 **
**      5 : Modify student grades              **
**      0 : Exit                               **
**
*****
*****

Select:0_

-----

Would you really like to exit Y/N : y
```