Result Management System

## **Run Project**

There are two folders named ResultSystem-frontend and Resultsystem-backend. Open both of them with ‘Visual Studio **code**’.

Run backend:

Open terminal from VS code. And type the following commands-

1. cd ResultSystem
2. Dotnet run

Run frontend:

Open terminal from frontend’s window of VS code. And type the following command-

1. Ng serve --o

This will automatically open with the default browser and you are ready to use it.

**About project**

There’s two kinds of users. An admin and students(normal users).

**Admin**

I have created an admin already with roll: **101010** and password: **admin123**. Admin’s functions-

1. Admin can add a student's result can edit/update it.
2. Admin can delete any user or user’s result.
3. Admin can view all the users.

**Student**

Students have roll numbers as usual like (1004, 1123) and password field. At first a new student has to sign up by providing information in the signup form. Once signed up the student can login and he/she can only view a single page containing his/her **overall/final result** (so far added) and also result details for each course.

**Result Calculation**

For simplicity, I have made some assumptions. Each semester has 3 courses like course code - 101, 102, 103 for 1st semester and 201, 202 and 203 for 2nd semester and so on. Also Final result calculated using simple average operation. Results will be shown after adding a course of a semester. And if the admin continues to add, results will be updated.

**Database**

The database file will be found in the “ResultSystem-backend\ResultSystem\DbFiles” directory.

There’s two tables -

1. **Users** - with fields Id, Roll, Password, Batch, Mail and Result
2. **Result** - with fields Id, Roll, Semester, Course code, Mid, Quiz, Lab, Final and Course result