

Student Management System

Objective / Vision :

A student Management System where Teacher can Log in and view / add / remove student data . Here also a student section where student can log in in his account and view his data.

Users of the System :

1. Teacher
2. Student

Functional Requirements :

1. Teacher

- i. Can Log In
- ii. Can add/view/edit/delete Student Data

2. Student

- i. Can Log In
- ii. Can view data
- ii. Can Log Out

Tools to be used :

1. Use any IDE to develop the project. It may be Eclipse / Myeclipse / Netbeans etc.
2. MySQL for the database.

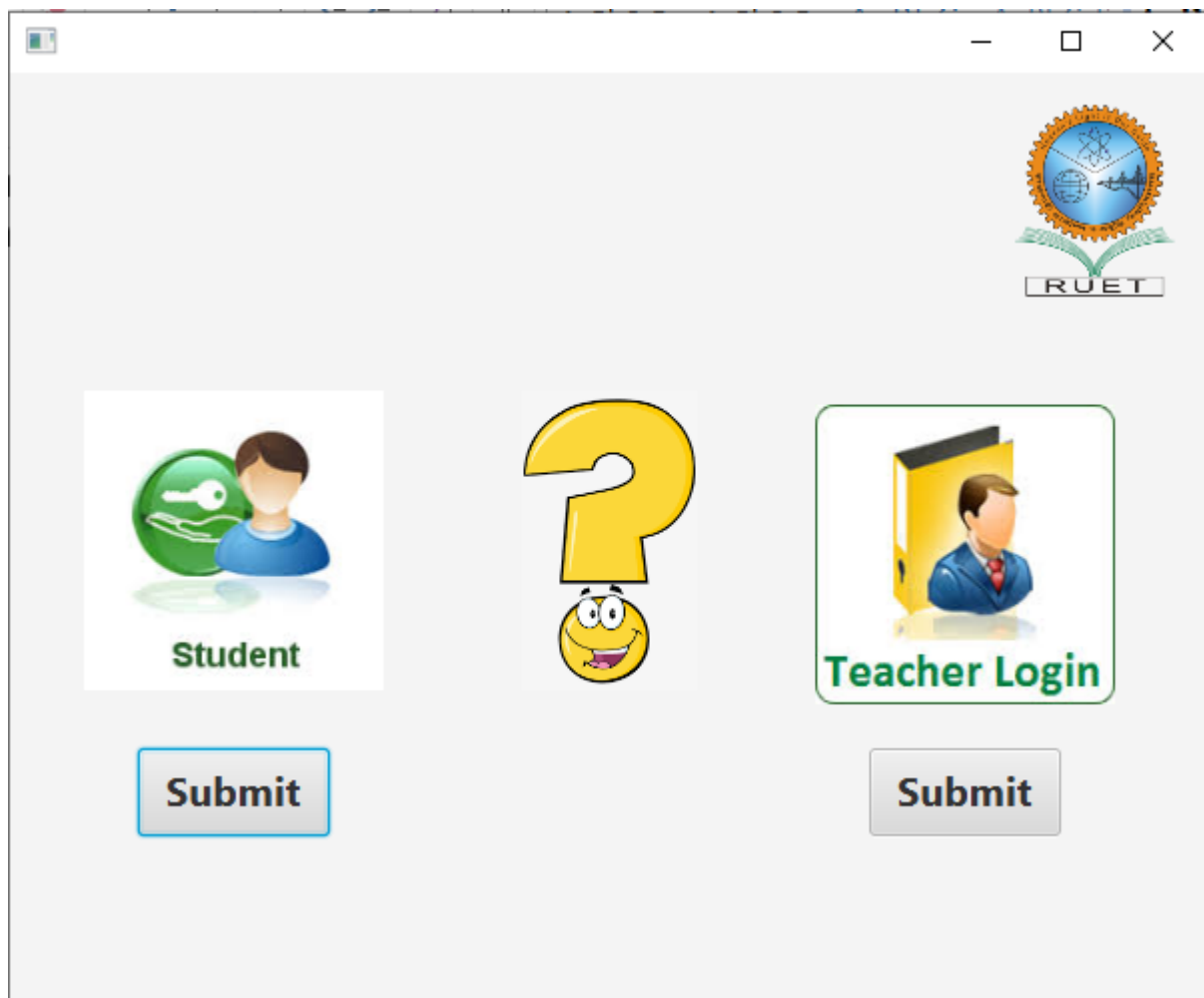
Front End and Back End :

1. **Front End** : JavaFX
2. **Back End** : Mysql

How project works?

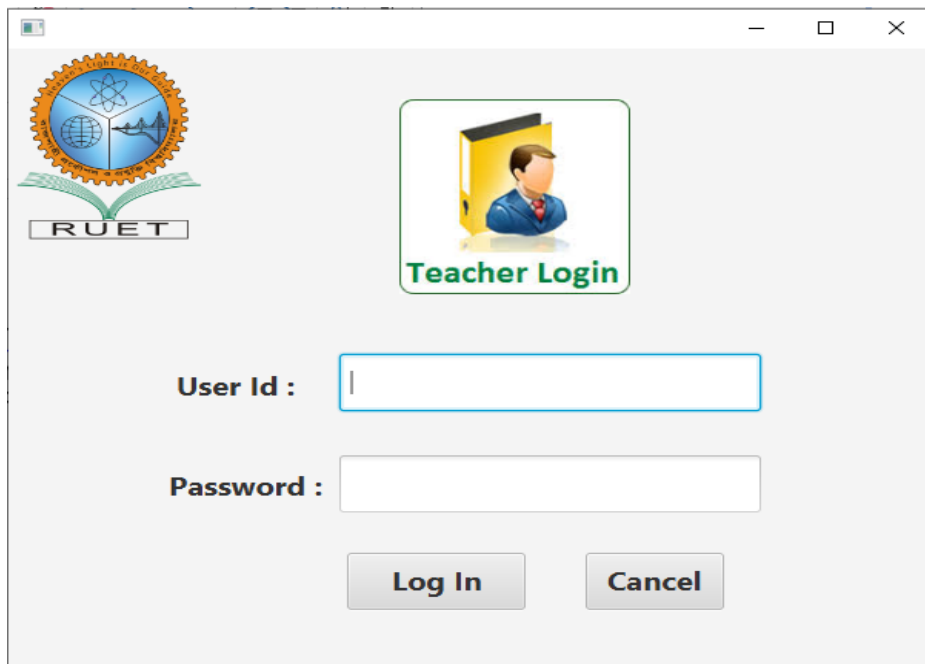
Log In Option :

First of all there is a log in option System if you are a student choose student login or you are a teacher choose Teacher login.



Teacher Login :

There Teacher can login with his/her user id and password . If he enter wrong password or user id it show “Wrong Id or Password”.



A screenshot of a 'Teacher Login' window. The window has a title bar with standard minimize, maximize, and close buttons. On the left is the RUET logo, which features a gear, a globe, and a book. In the center is a square icon with a teacher's head and shoulders, with the text 'Teacher Login' below it. Below the icon are two input fields: 'User Id :' followed by a text box, and 'Password :' followed by a password box. At the bottom are two buttons: 'Log In' and 'Cancel'.

After Login teacher see this page



Add Or Remove Student :

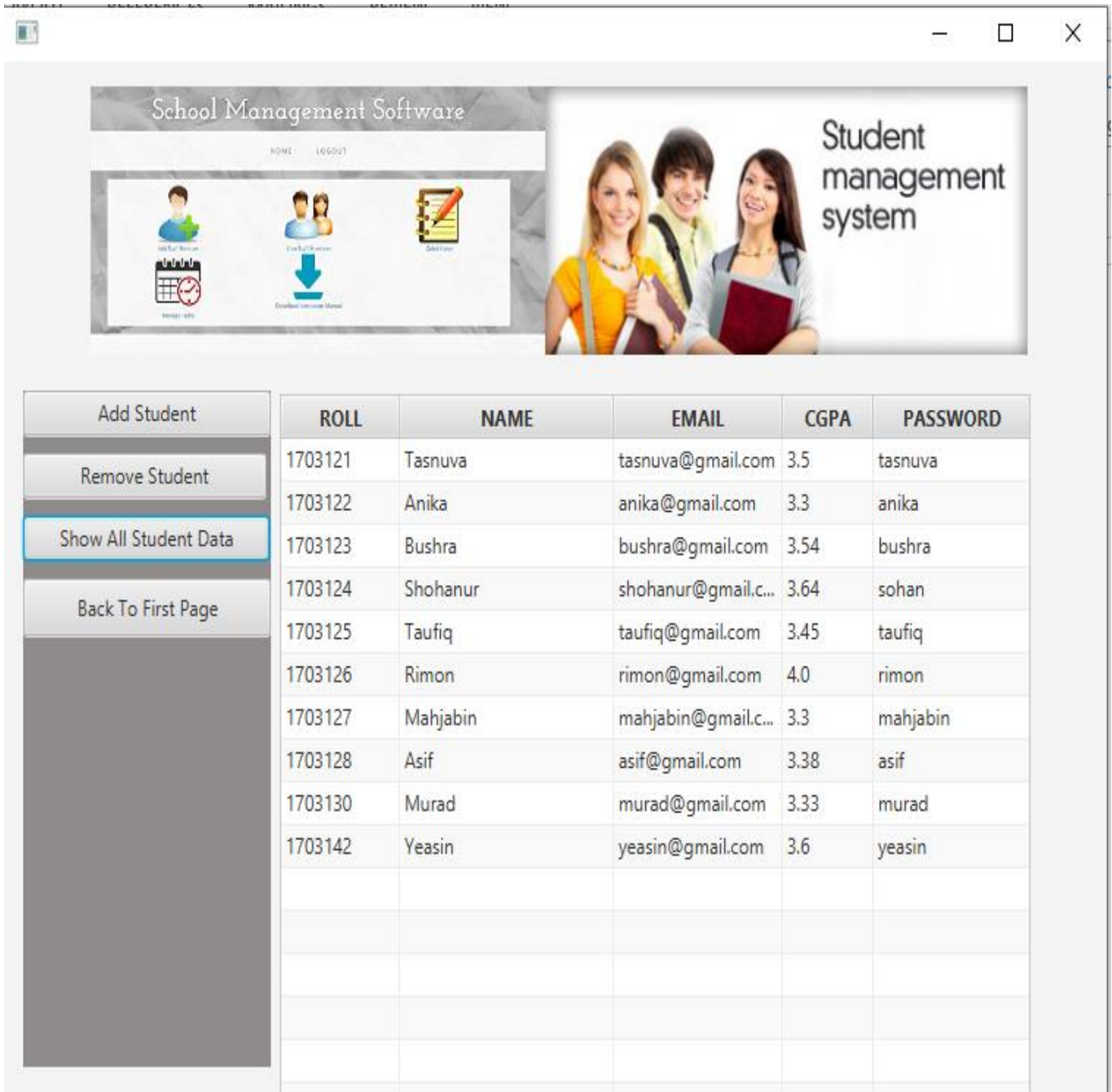
If teacher choose “add student” option he can add a student with student data. Here must use unique roll no. If teacher choose “remove student” option then he see a interface and if he fill this information correctly then the student data will be removed successfully otherwise it show “Please Enter Correct Data” , If input correct Data it show “Delete Successful” .

The screenshot shows the 'Add Student' form within the 'School Management Software' interface. The header includes the software name and a 'Student management system' banner with a photo of three students. On the left, a sidebar contains buttons for 'Add Student', 'Remove Student', 'Show All Student Data', and 'Back To First Page'. The main form area has five input fields labeled 'Name', 'Roll', 'Email', 'CGPA', and 'Password'. Below these fields are two buttons: 'ADD' and 'Cancel'.

The screenshot shows the 'Delete Student' form within the 'School Management Software' interface. The layout is similar to the 'Add Student' form, but the 'ADD' button is replaced by a 'Delete' button. A message 'Delete Sucessful' (note the spelling) is displayed at the bottom left of the form area. The sidebar and header remain the same.

Show All Student data :

If Teacher choose "Show All Student Data" then he see all student information .



The screenshot displays the 'School Management Software' interface. At the top, there is a header with 'School Management Software' and navigation links 'HOME' and 'LOGOUT'. Below the header, there are three main sections: 'Add New Student' (with a calendar icon), 'View All Students' (with a download icon), and 'Add New Teacher' (with a notepad icon). To the right of these sections is a banner for 'Student management system' featuring three smiling students. Below the banner, there is a sidebar with four buttons: 'Add Student', 'Remove Student', 'Show All Student Data' (highlighted in blue), and 'Back To First Page'. To the right of the sidebar is a table with the following data:

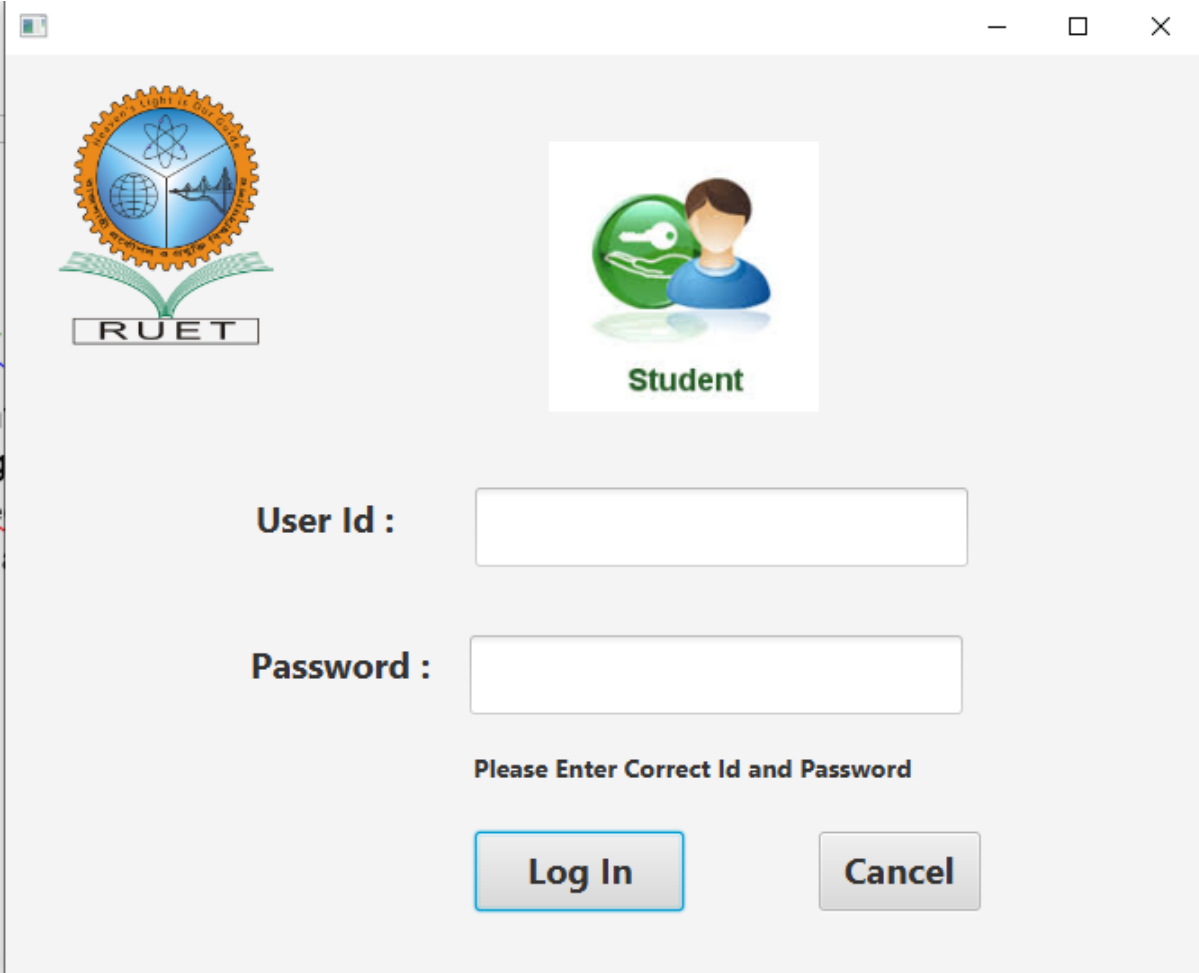
ROLL	NAME	EMAIL	CGPA	PASSWORD
1703121	Tasnuva	tasnuva@gmail.com	3.5	tasnuva
1703122	Anika	anika@gmail.com	3.3	anika
1703123	Bushra	bushra@gmail.com	3.54	bushra
1703124	Shohanur	shohanur@gmail.c...	3.64	sohan
1703125	Taufiq	taufiq@gmail.com	3.45	taufiq
1703126	Rimon	rimon@gmail.com	4.0	rimon
1703127	Mahjabin	mahjabin@gmail.c...	3.3	mahjabin
1703128	Asif	asif@gmail.com	3.38	asif
1703130	Murad	murad@gmail.com	3.33	murad
1703142	Yeasin	yeasin@gmail.com	3.6	yeasin

Back To First Page :

If Teacher choose "Back To First Page" Then he came back to first page or login option page.

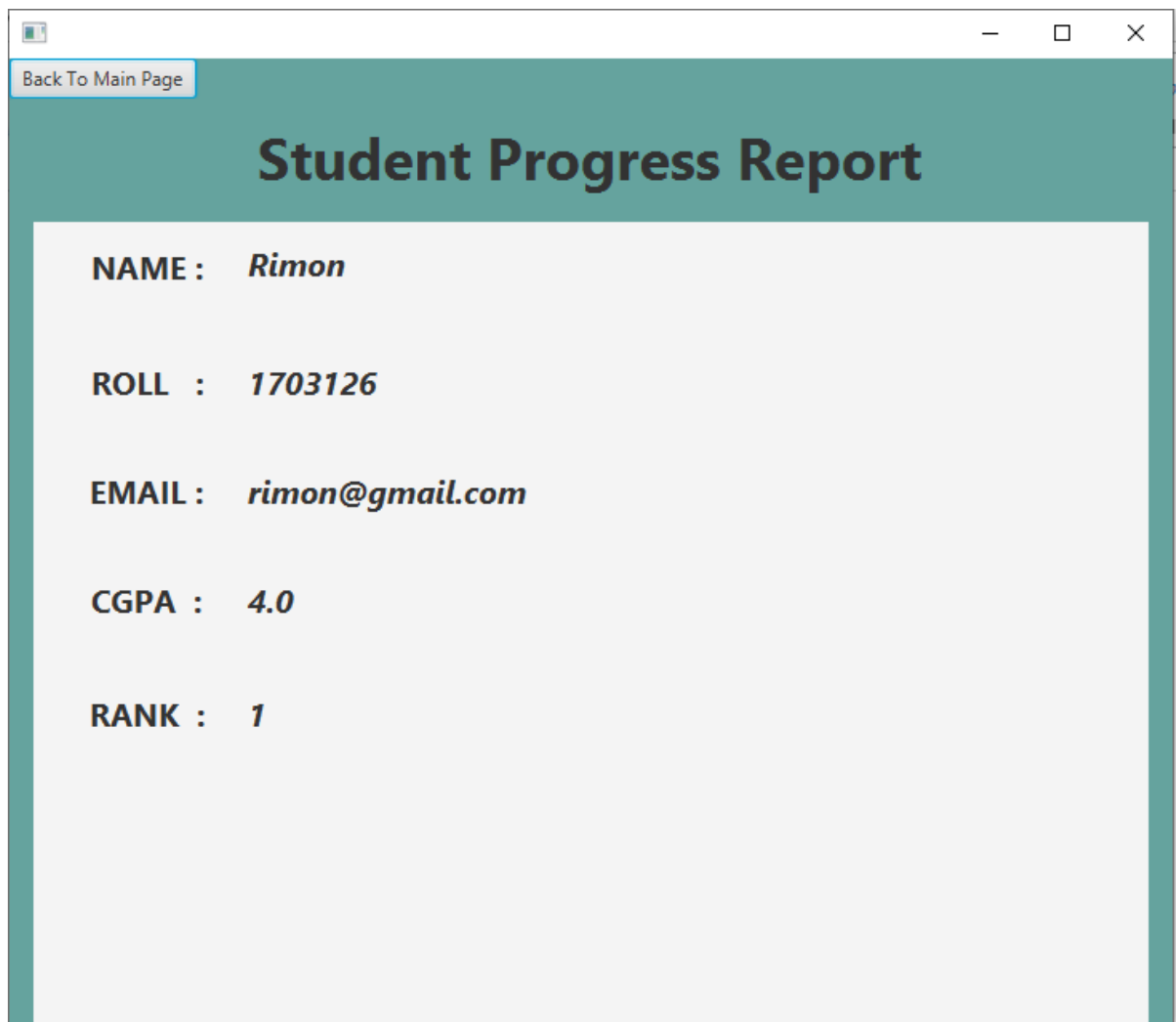
Student Login :

If you choose student log in then you see a student Login form there student can login with his user id and password. If user id or password is coorect then he see next page or see “Please Enter Correct Id or Password” .

A screenshot of a web browser window displaying a student login form. The window has a title bar with standard minimize, maximize, and close buttons. The form itself has a light gray background. In the top left corner is the RUET logo, which features a circular emblem with a gear-like border containing the text 'RUET UNIVERSITY', a central atom symbol, and a globe, with an open book below it and the letters 'RUET' in a rectangular box. To the right of the logo is a square icon showing a green circle with a white keyhole and a blue silhouette of a person, with the word 'Student' in green text below it. Below these elements are two input fields: the first is labeled 'User Id :' and the second is labeled 'Password :'. Below the password field is the text 'Please Enter Correct Id and Password'. At the bottom of the form are two buttons: 'Log In' with a blue border and 'Cancel' with a gray border.

Student Progress Report :

If student login correctly then he see his progress report . Here he can see his in formation his result and his Rank .Besides he can came back to first page with click “Back To Main Page “.



The screenshot shows a web application window with a teal header and a light gray body. The header contains a 'Back To Main Page' button and the title 'Student Progress Report'. The body displays student information for 'Rimon'.

Field	Value
NAME :	<i>Rimon</i>
ROLL :	<i>1703126</i>
EMAIL :	<i>rimon@gmail.com</i>
CGPA :	<i>4.0</i>
RANK :	<i>1</i>

Conclusion and Discussion : Student Management System is very Important for any school , college or university. To use this system teacher can find student data easily and student can find his data easily. To make this project I use JavaFX in Front End and Mysql in Back End. There student and teacher information stored in database using mysql.