

Course: Advanced Programming

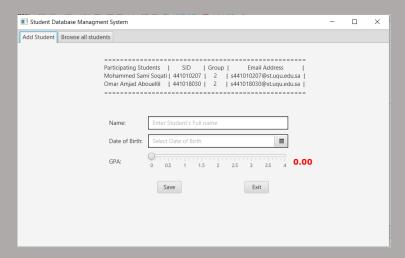
Subject: Project 2 report

Group number: 2

Name	SID
Omar Amjad Abouellil	441018030
Mohammed Sami Soqati	441010207

Database and table creation:

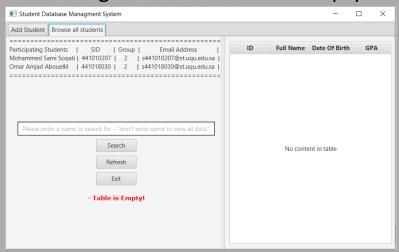
Program's Main Menu:



Assumptions:

- The user will start in the Add Student tab.
- a database and table is already made for the user.

Viewing the table while it's empty:

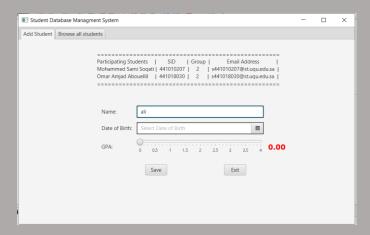


Inserting a record into the table(Add Student Tab)

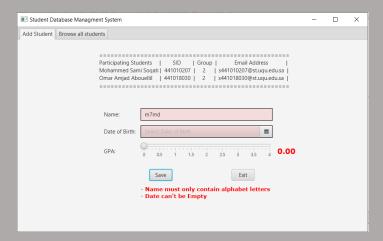
Assumptions:

- The User will be presented with an empty Name Textfield and DatePicker and a Slider for the GPA value initialized to 0.
- If the user inputs any numbers or special characters in the Name TextField or leave it empty they will be presented with a special error message Label for the issue at the bottom once they click Save and the text field's background will become red.
- If the user picks a date in the future or dosen't pick anything at all they will be presented with a special error message for the issue they made at the bottom once they click Save and the text field's background will become red.
- The GPA slider can only accept values from 0.0 to 4.0 and depending on which GPA value is chosen the color will change
 - Red(0.0-1.0)/Orange(1.01-2.0) /allow (2.01-3.0)/Green(3.01-4.0)
- If the user inputs Everything correctly and click save they will get a message at the bottom telling them the Student has been added to the table successfully.

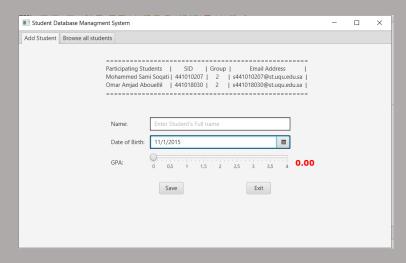
User Inputs name:



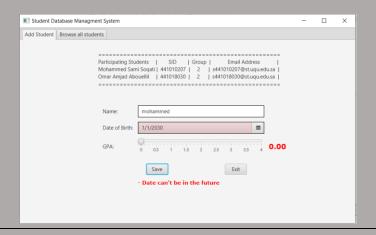
User uses Numbers or symbols in the name Input:



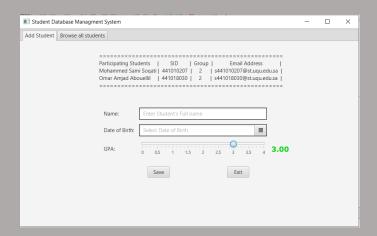
User Picks date:



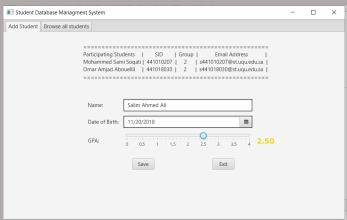
User Picks a date in the future:



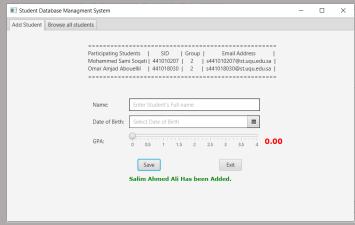
User chooses GPA:



User Chooses a GPA and the color changes:



Adding a Student Successfully:



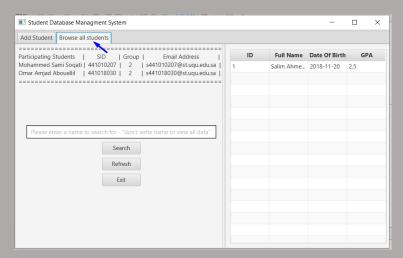
Displaying the table's content(Browse Table Tab)

Assumptions:

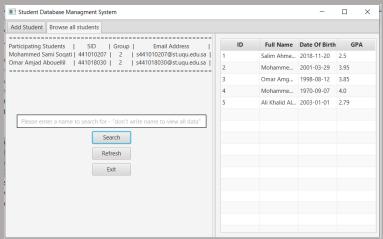
- Once the user enters the tab they will see the content of the table and if they change and comeback to the Tab it will be refreshed.
- If the User leaves the Search TextField empty and click the Search Button the table will refresh.
- If the user inputs any value that contains numbers or special characters and click Search they will get a message at the bottom telling them the input is wrong and the table won't search and the text field's background will become red
- If the user inputs a correct name and click the Search Button the table will refresh and show them any record that contained their entered value.
- If the user clicks refresh the table will refresh and display all content.

- If the user clicks exit the program will close.

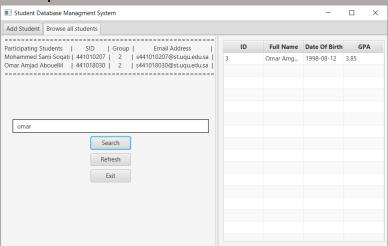
Changing to Browse students Tab(table displays content):



User Clicks search without any input:



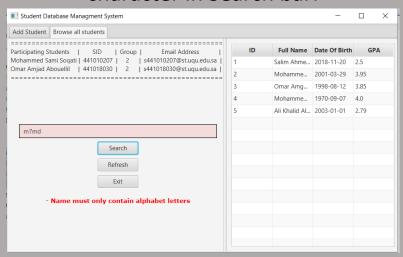
User inputs a name that is found inside the table:



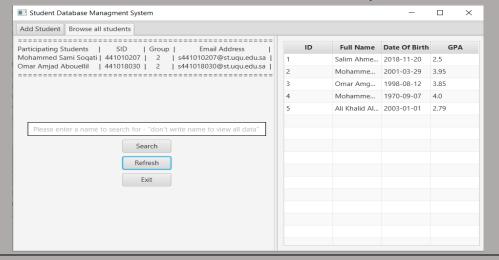
User inputs a name that isn't found inside the table:



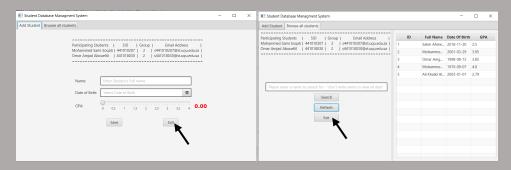
User inputs a value containing a number or a special character in Search bar:



Clicking the Refresh button(Refreshes the database and rests search bar value):



Exiting the program:



Assumptions:

 When the user clicks the exit button on either tab the program will close.