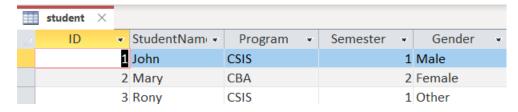
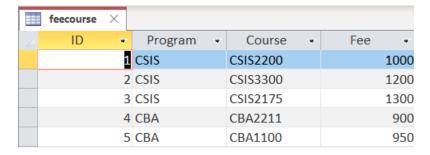
Q1:

Create a database StudentFinal. Create two tables:

<u>student</u>



feecourse

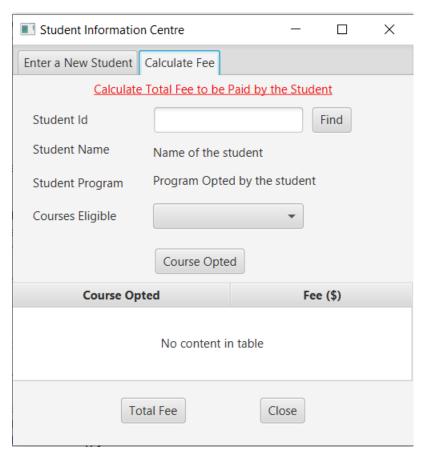


Create a GUI in Javafx

TabPane is used to create two tabs.

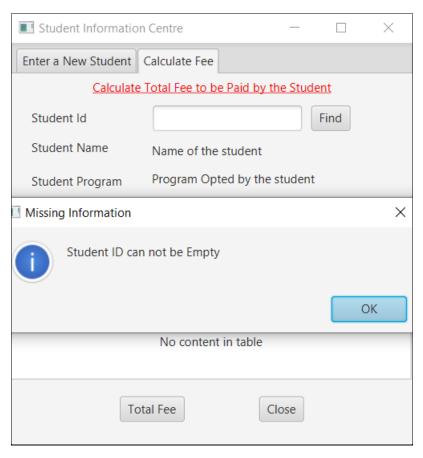
- 1. Enter a New Student
- 2. Calculate Fee

In Calculate Fee tab, make GUI as shown below.

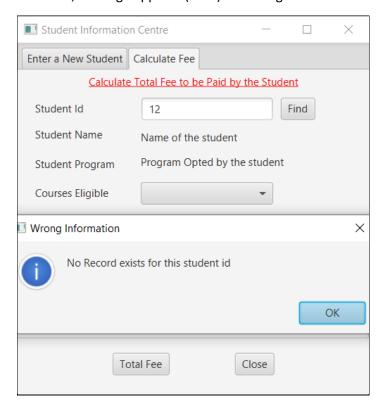


Find Button

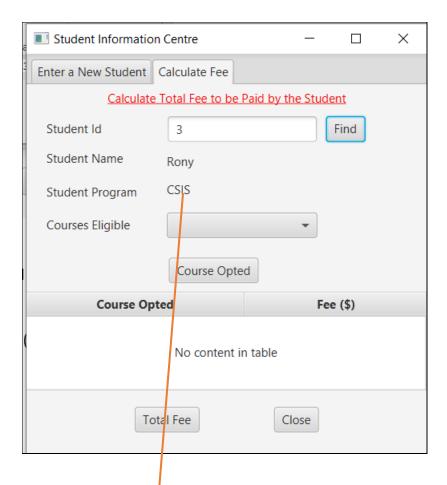
If you press <u>Find</u> button without putting anything in student id, alert appears informing empty student id textfield.



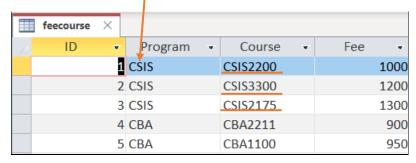
If you try to find information (in student table) about student whose record does not exist in database, message appears (alert) informing no record for that student id.

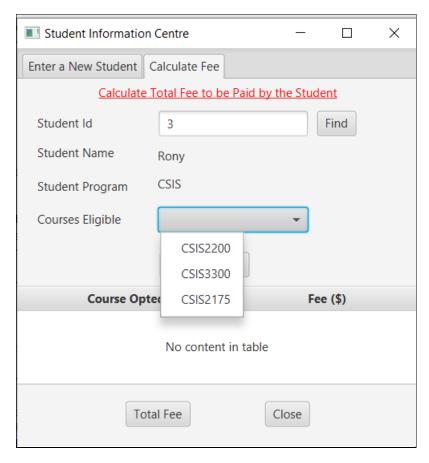


If you enter a valid student id whose record exists in database, student name and program labels are populated.



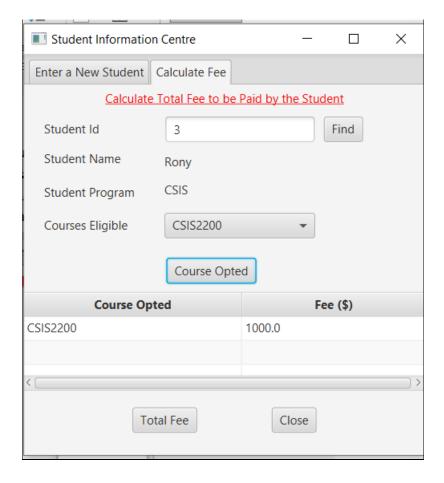
In addition to populating information about student name and program, information about the student program is selected from feecourse table and populated in Courses eligible choice box.



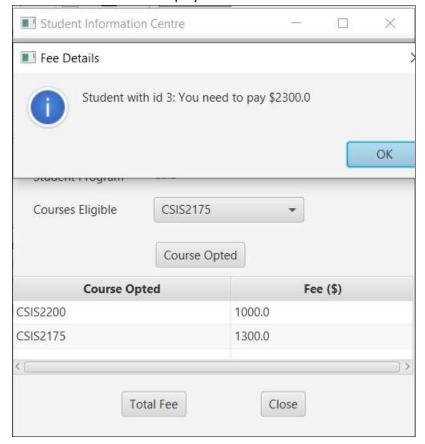


On selecting course from Courses Eligible choice box and pressing <u>Course Opted</u> button, information about said course and its fee is added in table view.

(Hint: You can create a class Course with Courses Opted and Fee as its attributes.)



On pressing **Total Fee** button, it calculates total fee to be paid by summing up fee of all the courses in table view. An alert is displayed with the information.



On pressing **Close** button, application closes.

Save the contents (along with access database) in a folder name P followed by your student id.

Since Student Id textfield returns String, so to select student with Student Id entered in GUI, you can use Integer.parseInt method

Grading:

- 1. Successfully run the program and show the GUI (10%)
- 2. Correctly implement the "Find" button and populate Courses Eligible Choice Box (10%).
- 3. Correctly implement the button "Course Opted" action and add item to the table view (50%). In case you use List view instead of table view, 5% marks will be deducted.
- 4. Correctly implement the button "Total Fee" action (20%).
- 5. All appropriate alerts are displayed (10%) and close button closes the application.