VM Arguments for javafx: --module-path C:\Users\17703\Desktop\javafx-sdk-11.0.2\lib --add-modules javafx.controls,javafx.fxml

Cloud Ip: 34.71.71.129

Cloud name: gsu-mysql

Cloud password: lemon10

Requirements and specifications of the project

In order to program and develop the QuickFly air reservation app, we require all of the development tools Java has to offer and a cloud database so that information can be stored and safe. The user of the program must have a Java Runtime Environment on their device in order to run and execute the program. The program must allow travelers to create an account or log in if they have an existing one. Then access to a database of available flights should appear and allow the user to reserve the ones selected. The reserved flights will then be saved in another database for the travelers and employees to look back to.

UML Diagrams

|  |
| --- |
| Account |
| -username:String  -password:String |
| Account() |

Functionality Requirements

1. Upon start of the application, the user should see a splash screen(JavaFx)
2. The Main menu gives the option to the user to register or login
   1. Splash screen will have a register button and login/password inputs
      1. If register, the screen changes to a different one asking for more info
         1. Registry will ask for all the info in the registration
            1. If the Strings do not meet the criteria the program will ask for a different input. Ex:(email should have @ symbol and “.com” at the end.
            2. Username should have no symbols Ex: (>!@#$%^)
         2. Once all the info meets the criteria, a registration complete screen shows up and the main splash screen should come back.
            1. The data entered in the registration should now exist in the database.
      2. If login, user has to enter in username and password
         1. Once the username and password is entered, the program will search the database to find a String username that matches the login and also finds the Index of the username within the database.
            1. If the password matches the password of the same username within the database then the login is successful and a new splash screen will appear.
            2. If no username exists or the password does not match then there should be a message returning that the login has failed.
3. Flight reservation screen