COMP 3111:
Source Code Documentation

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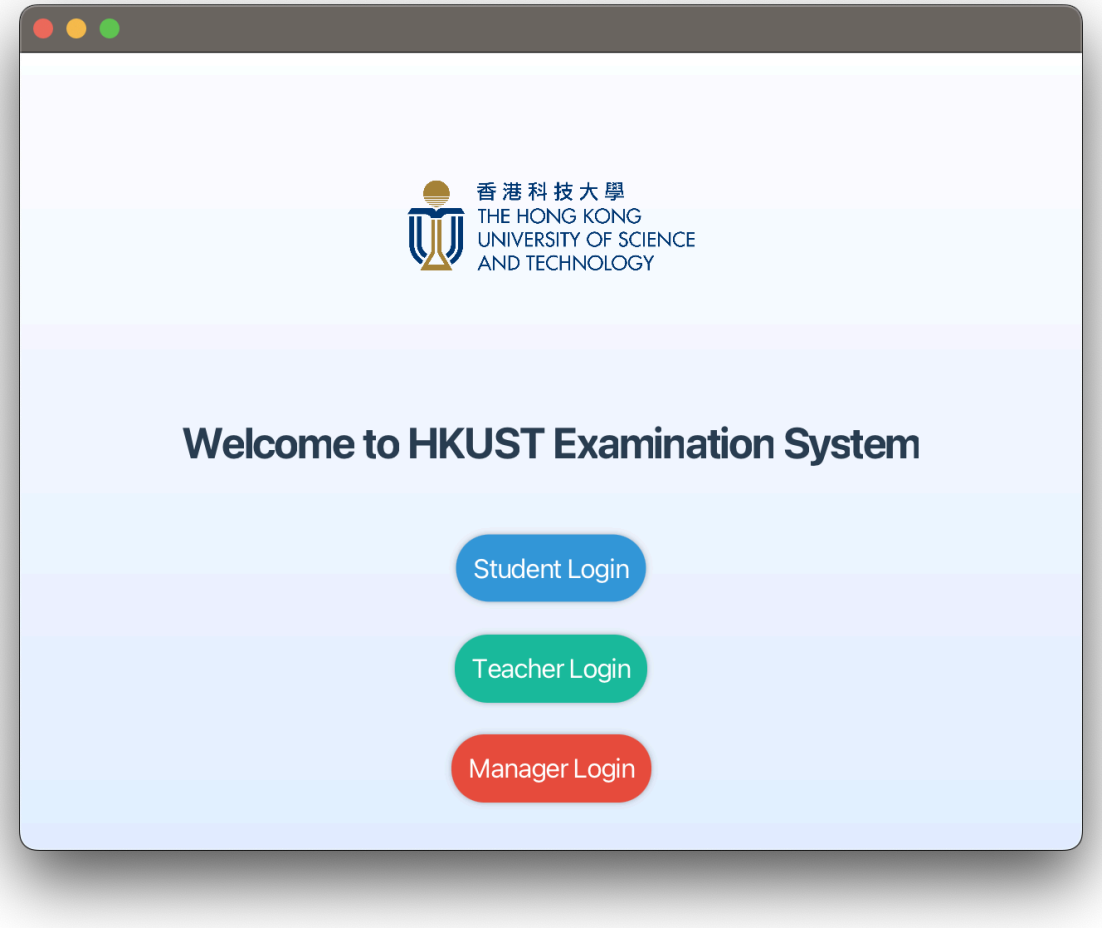
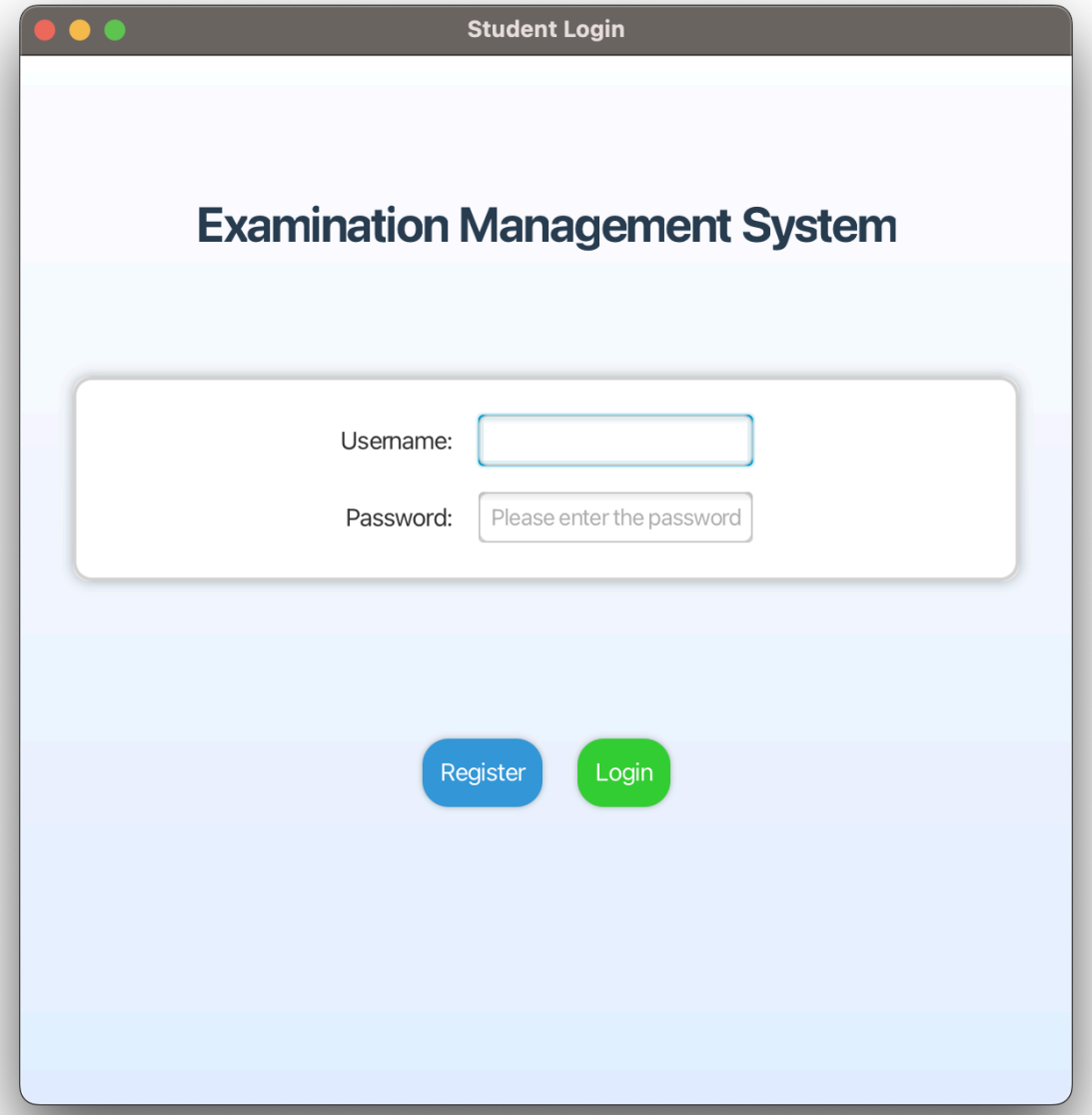
Group: 46
Date: 21-11-2024

Screenshots of the execution of the application showing sample inputs and outputs (Task 1):

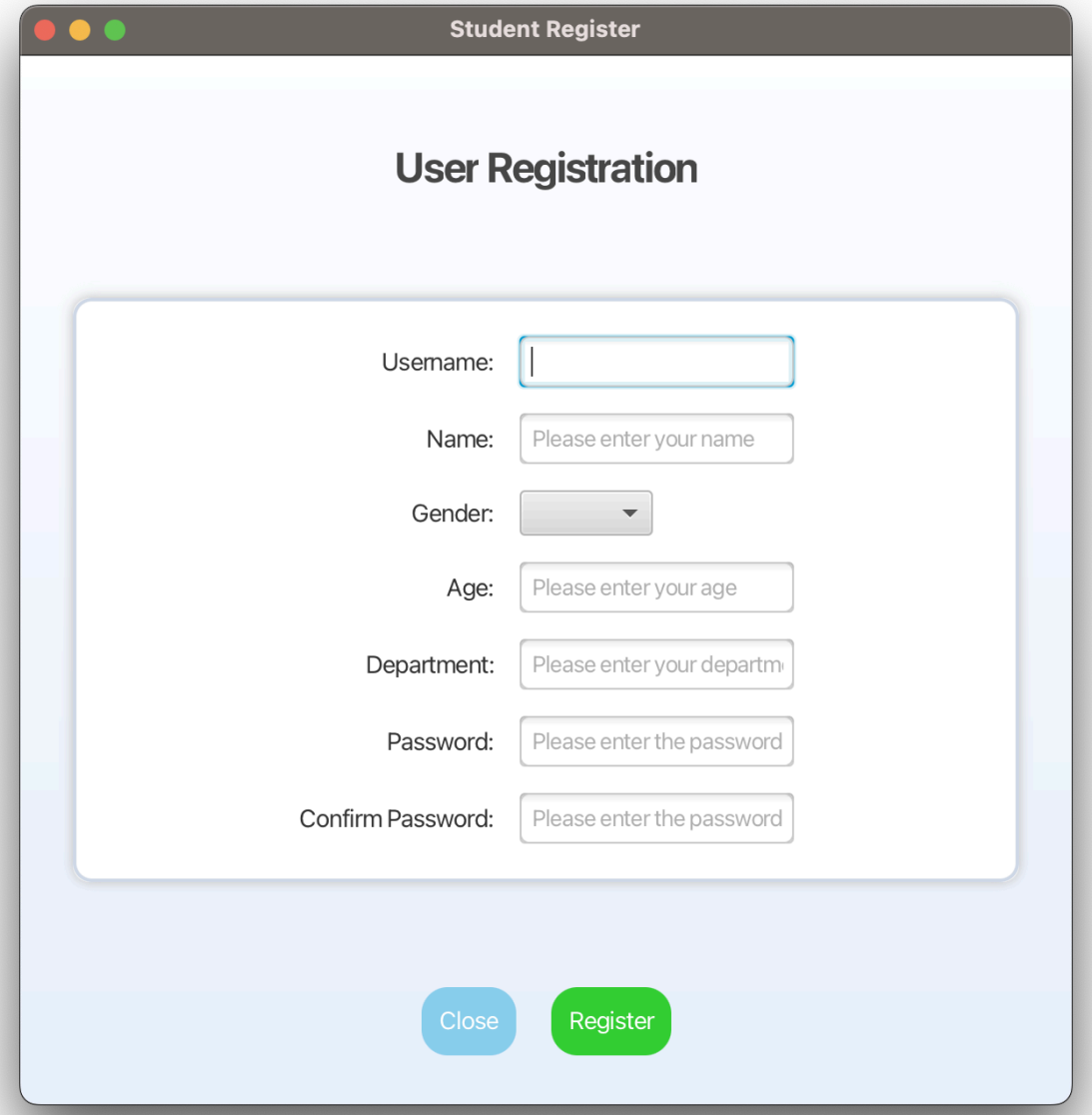
1. Open the app



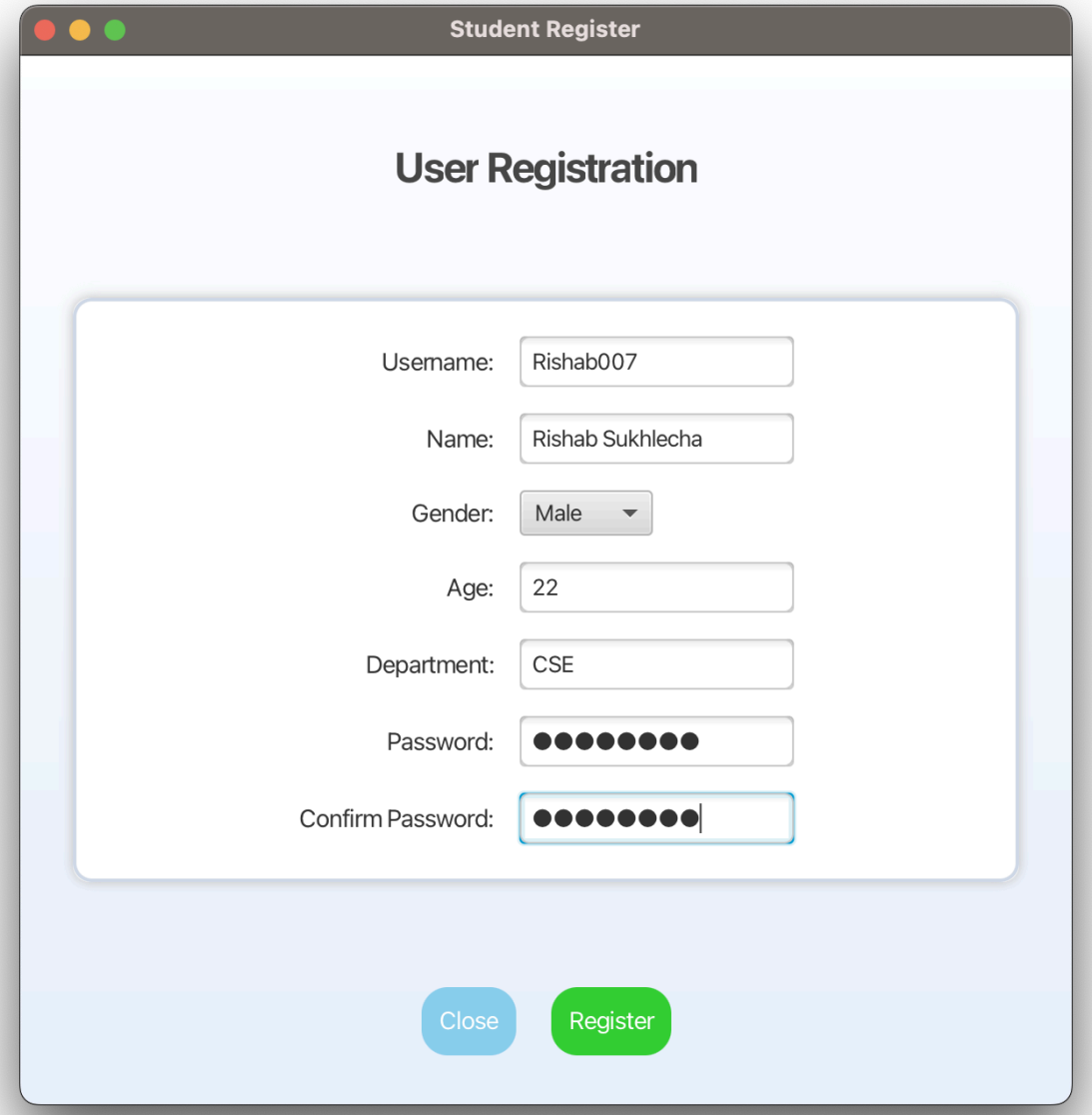
2. Click “Student Login”



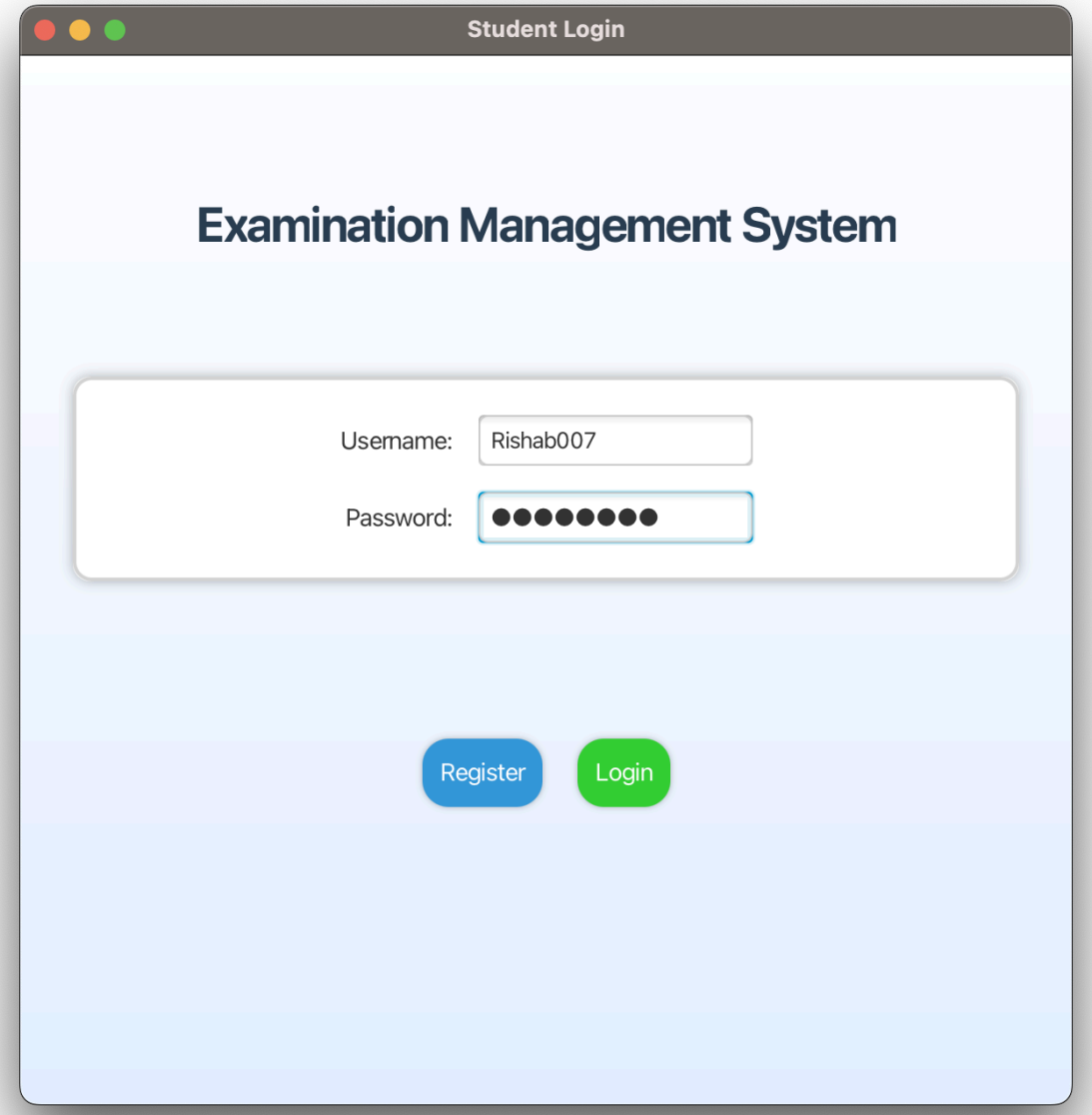
3. Click “Register”



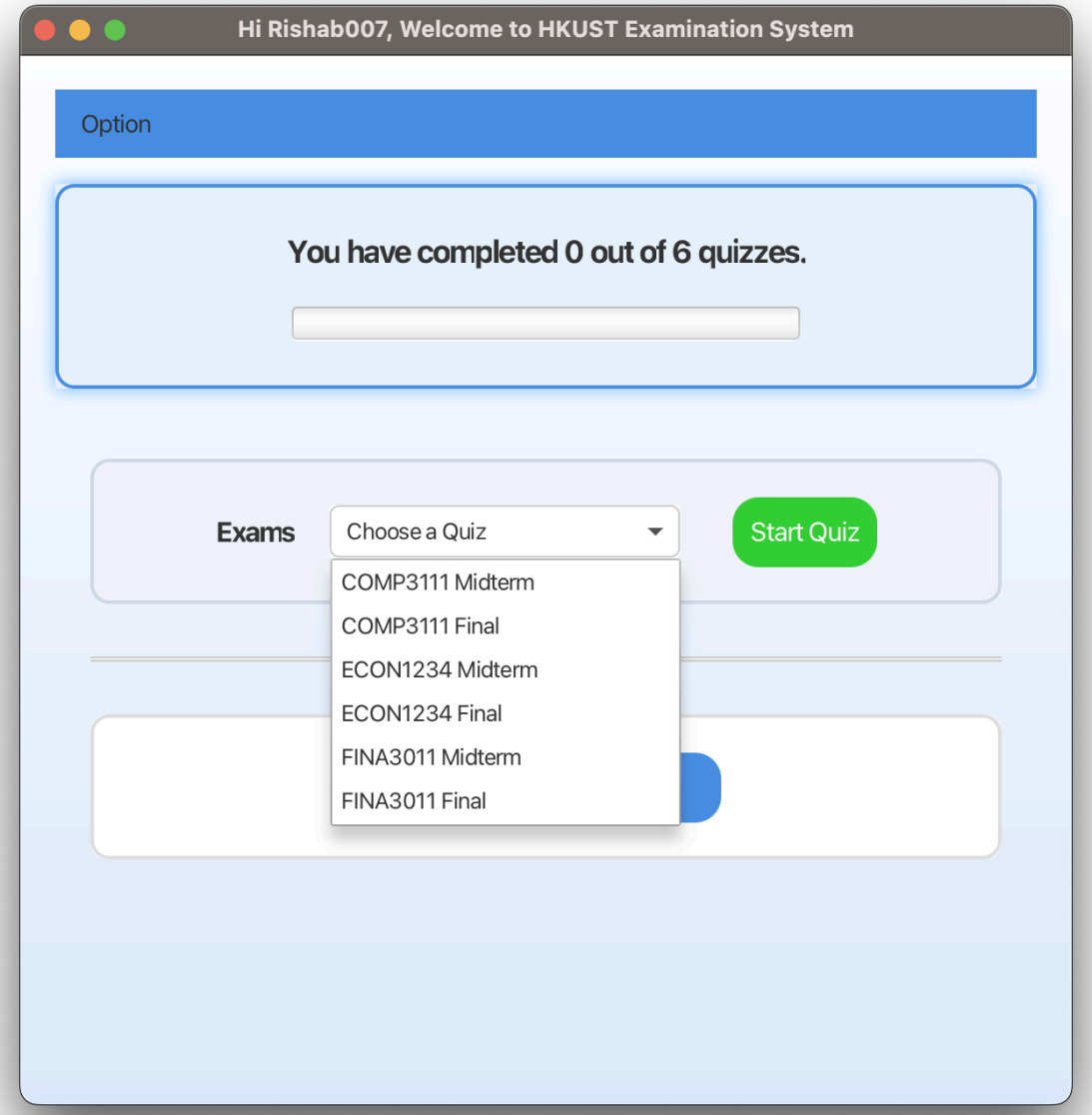
4. Enter Registration Information and click “Register”



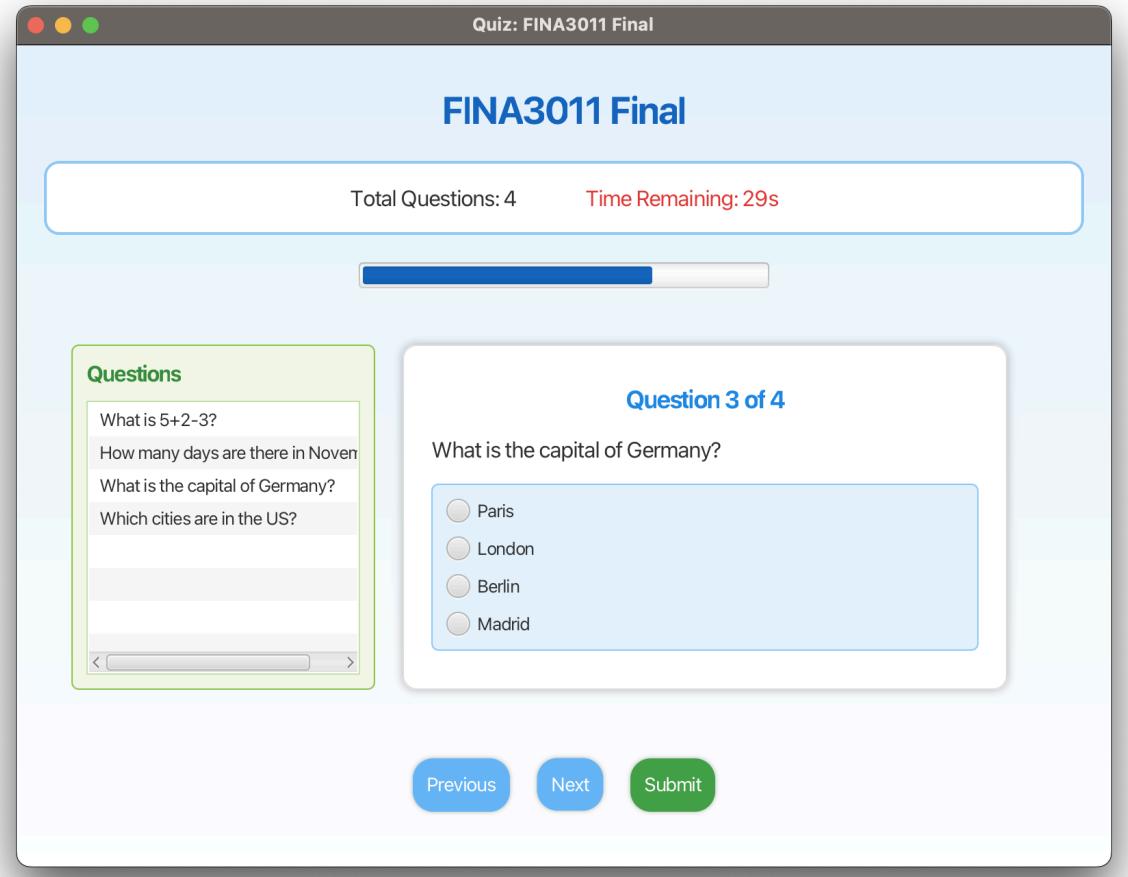
5. Enter Username and Password just created and click “Login”



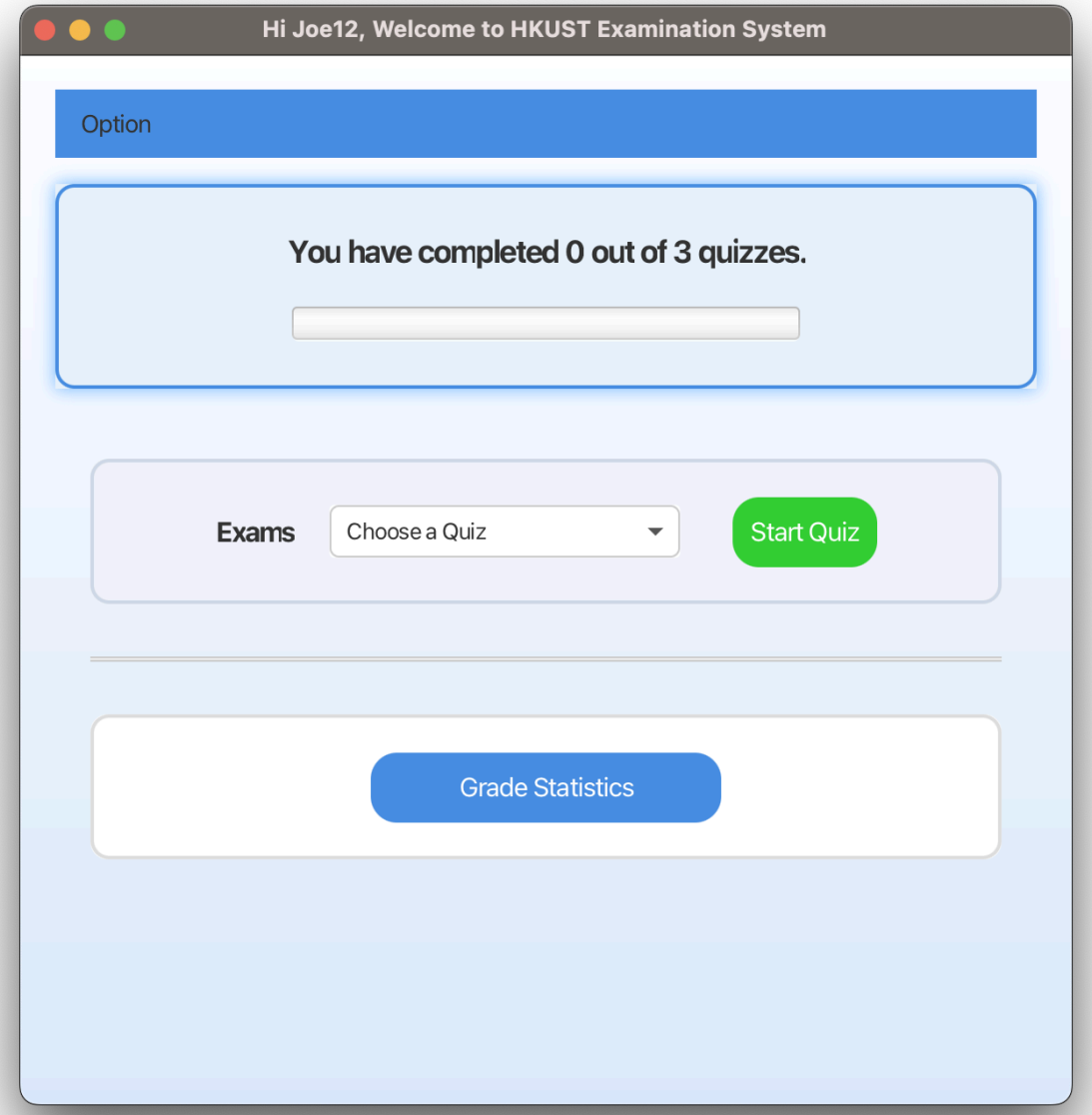
6. Pick a exam to do and click “Start Quiz”



7. Answer questions



8. Click “Grade Statistics”

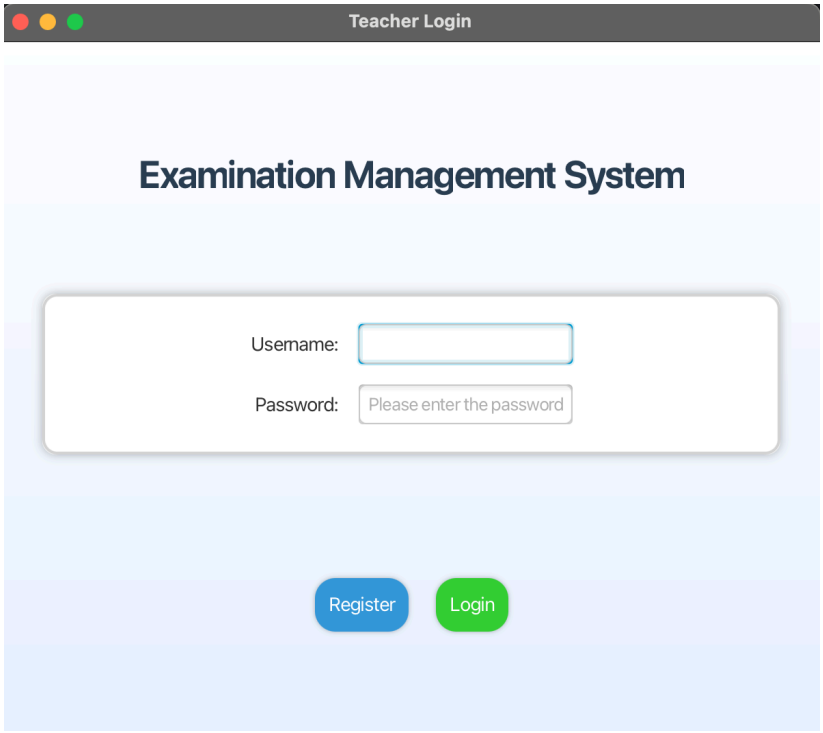


9. Pick a course and click “Filter”
10. Click “Reset”

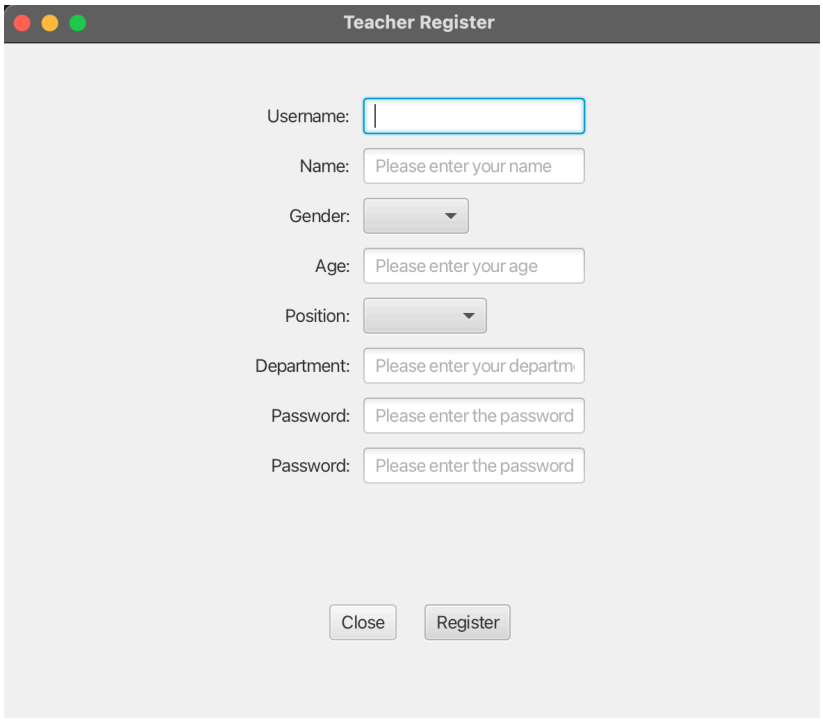
Screenshots of the execution of the application showing sample inputs and outputs (Task 2):

- Open the app:

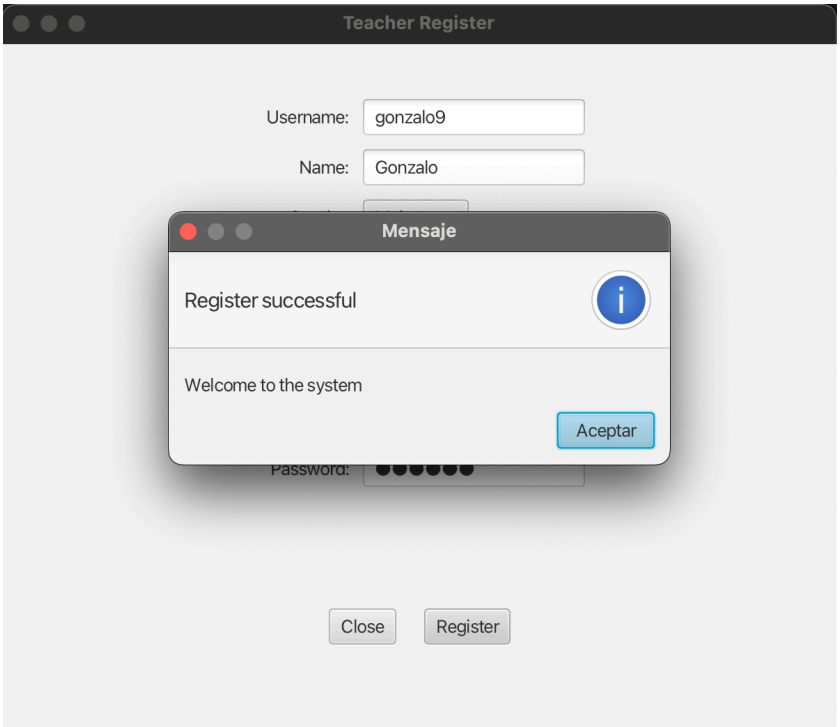
- Click on Teacher Login button:



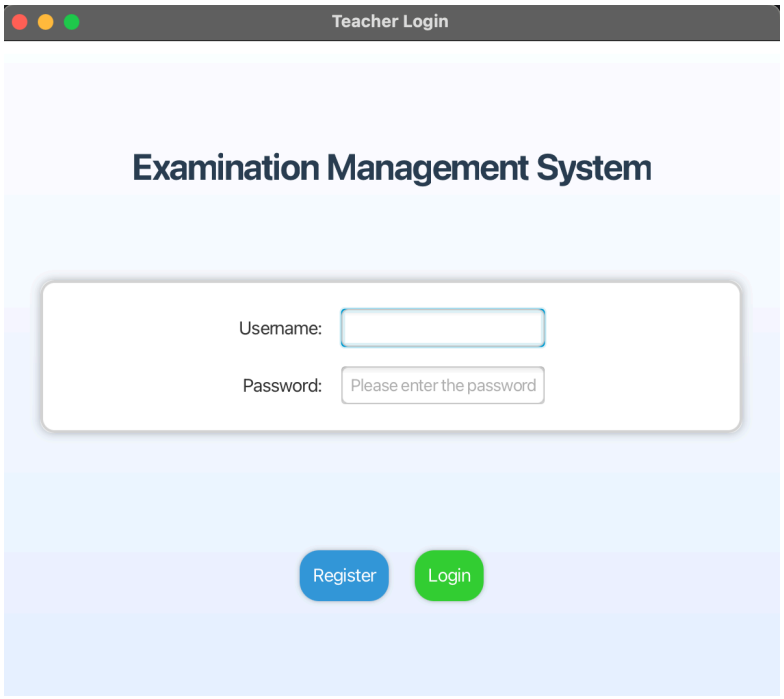
- Click Register button:



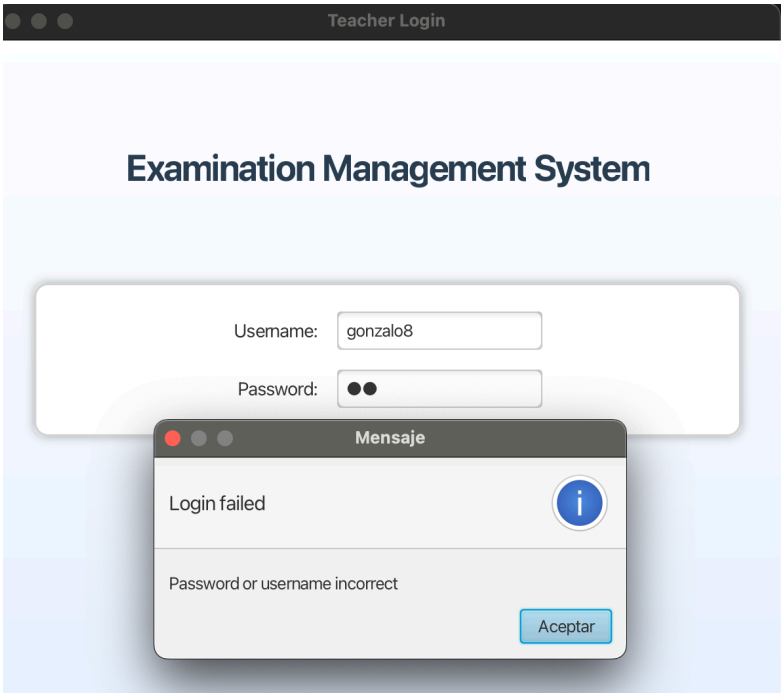
- After filing the inputs and clicking register:



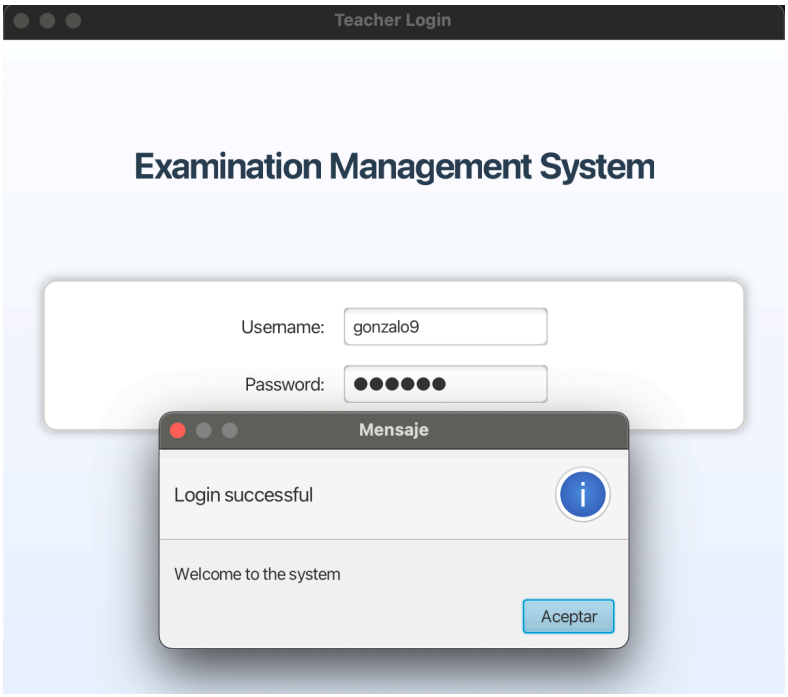
- After closing the pop up goes back to the login page. This same action happens when instead of clicking register button you click the close button:



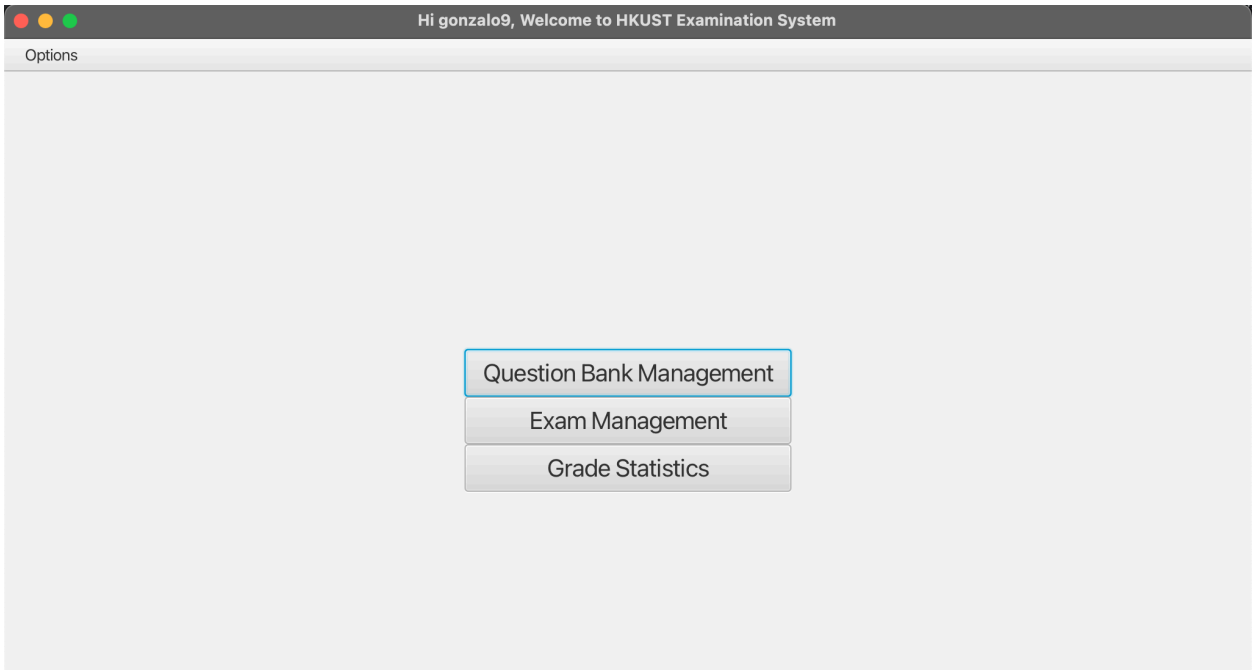
- If we enter an invalid username or password then an error message pops up:



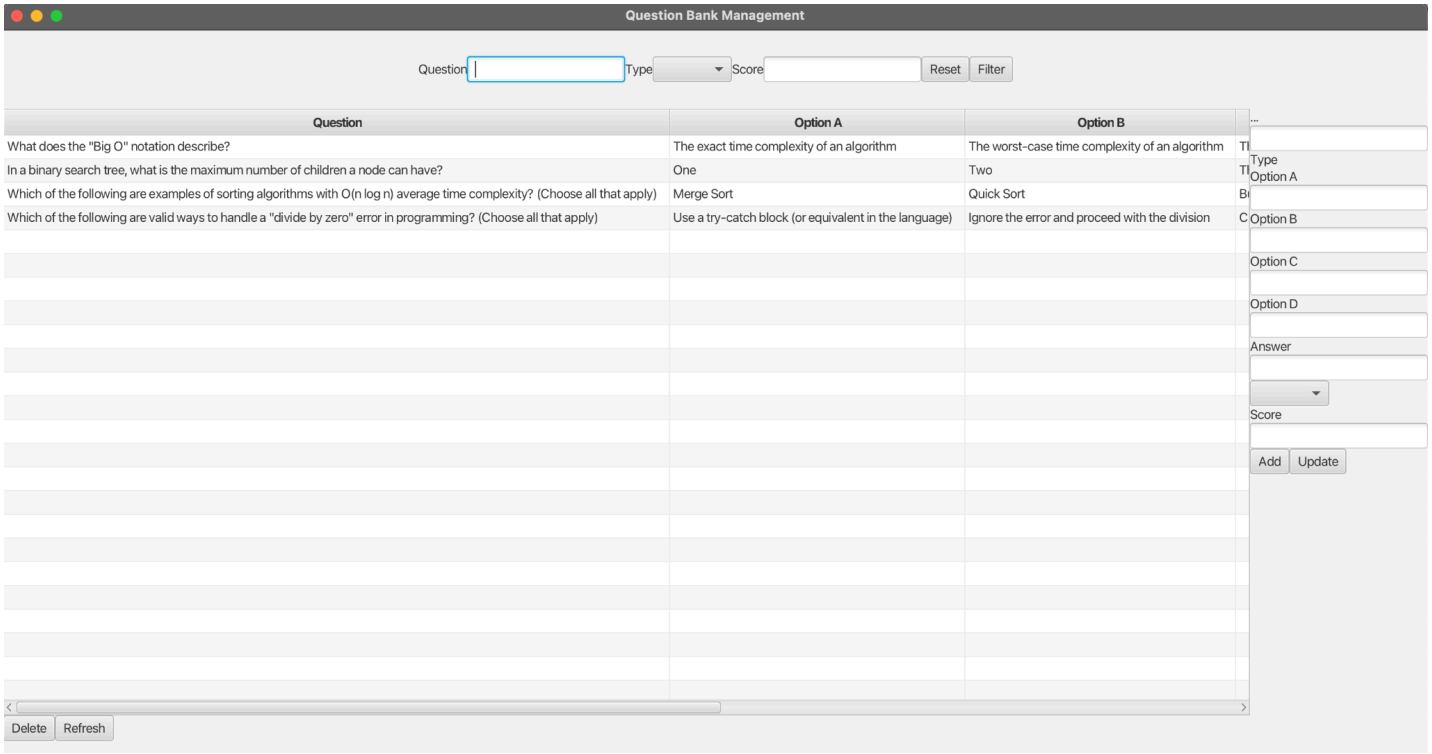
- If a valid username and password are entered and click Login button:



- After closing the pop up:



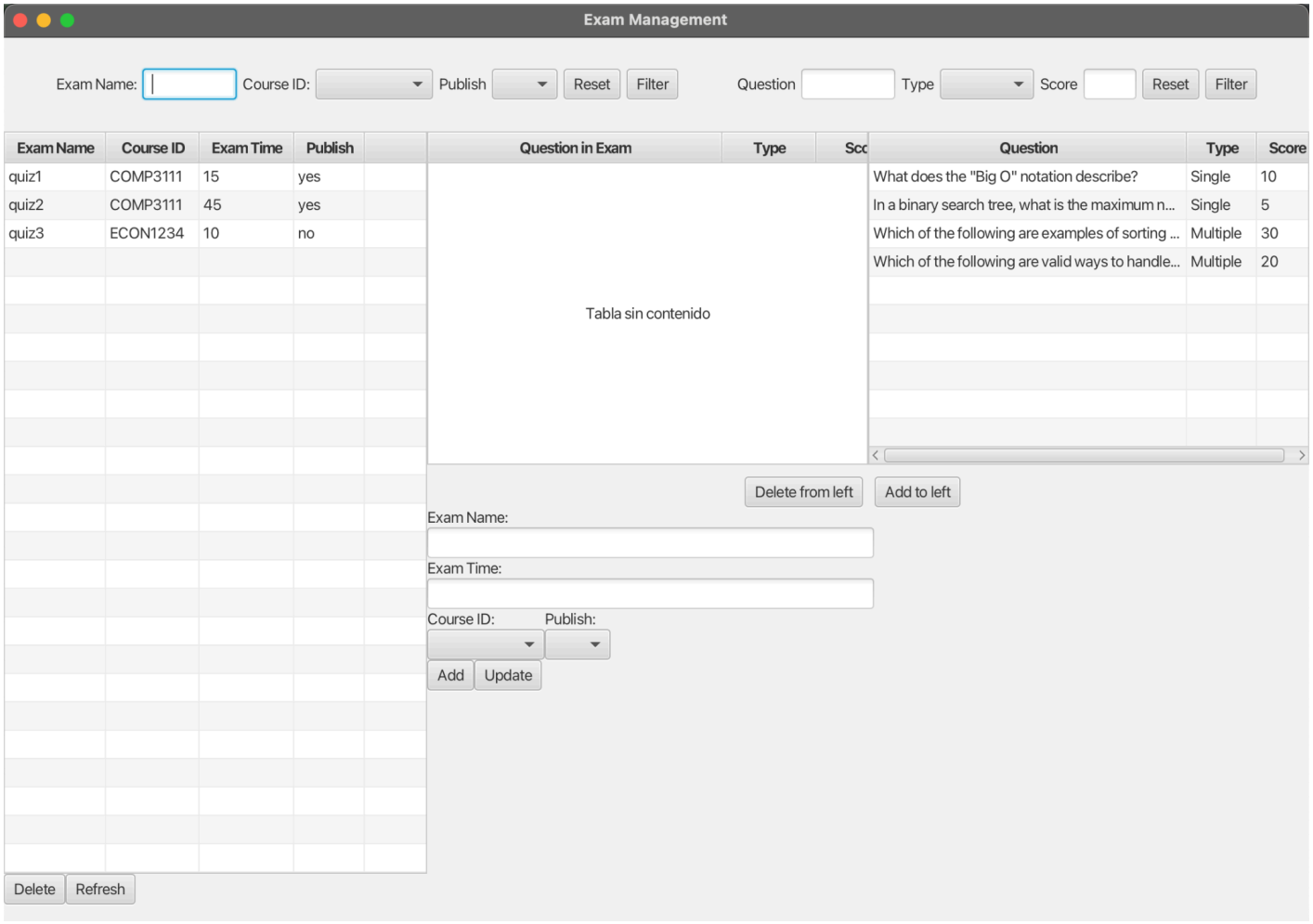
1. After clicking the Question Bank Management button:



(The table is scrollable in order to see all the columns)

The overall functionality of this window and its buttons will be shown in the complementary video provided.

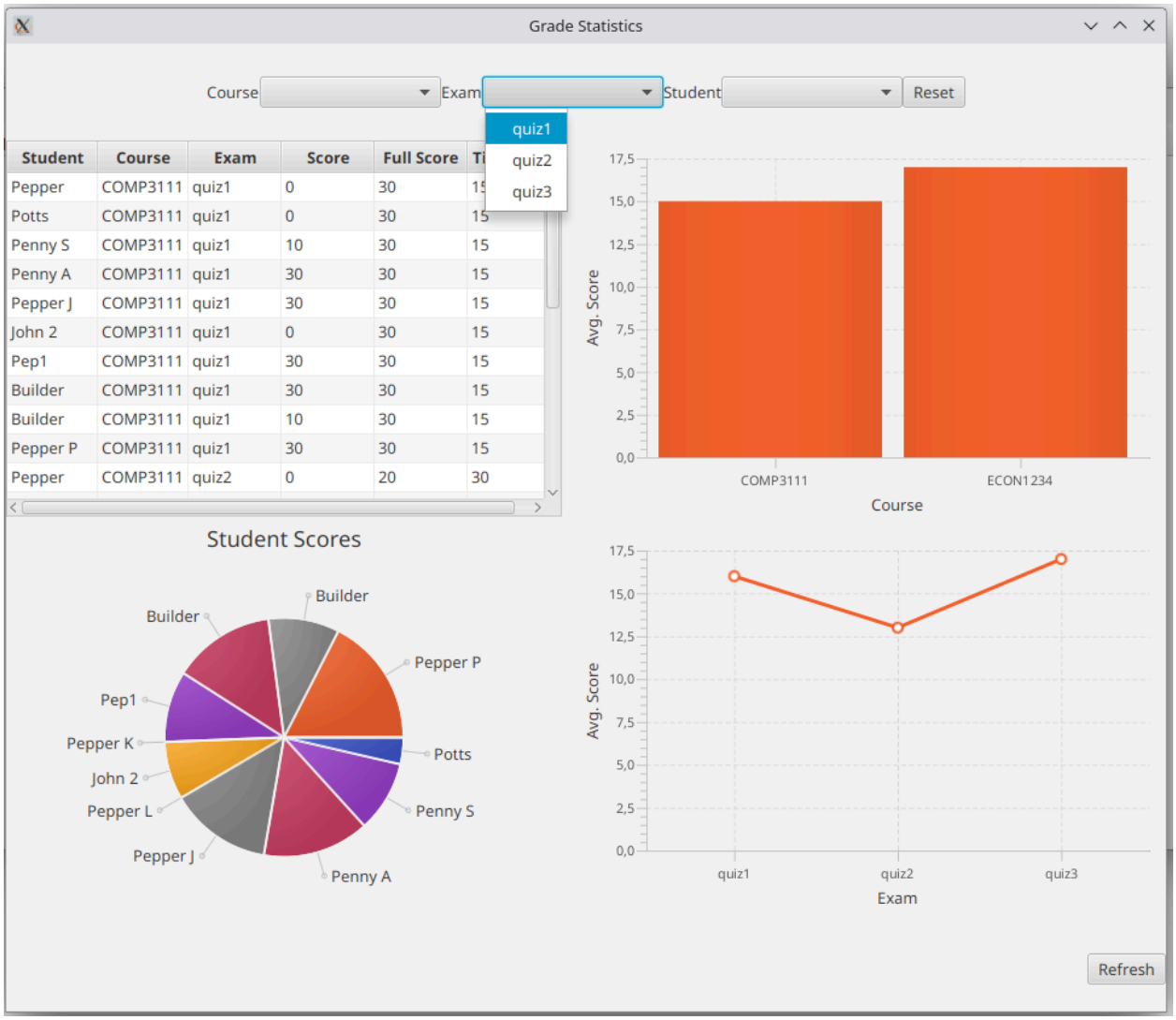
2. After clicking the Exam Management button:



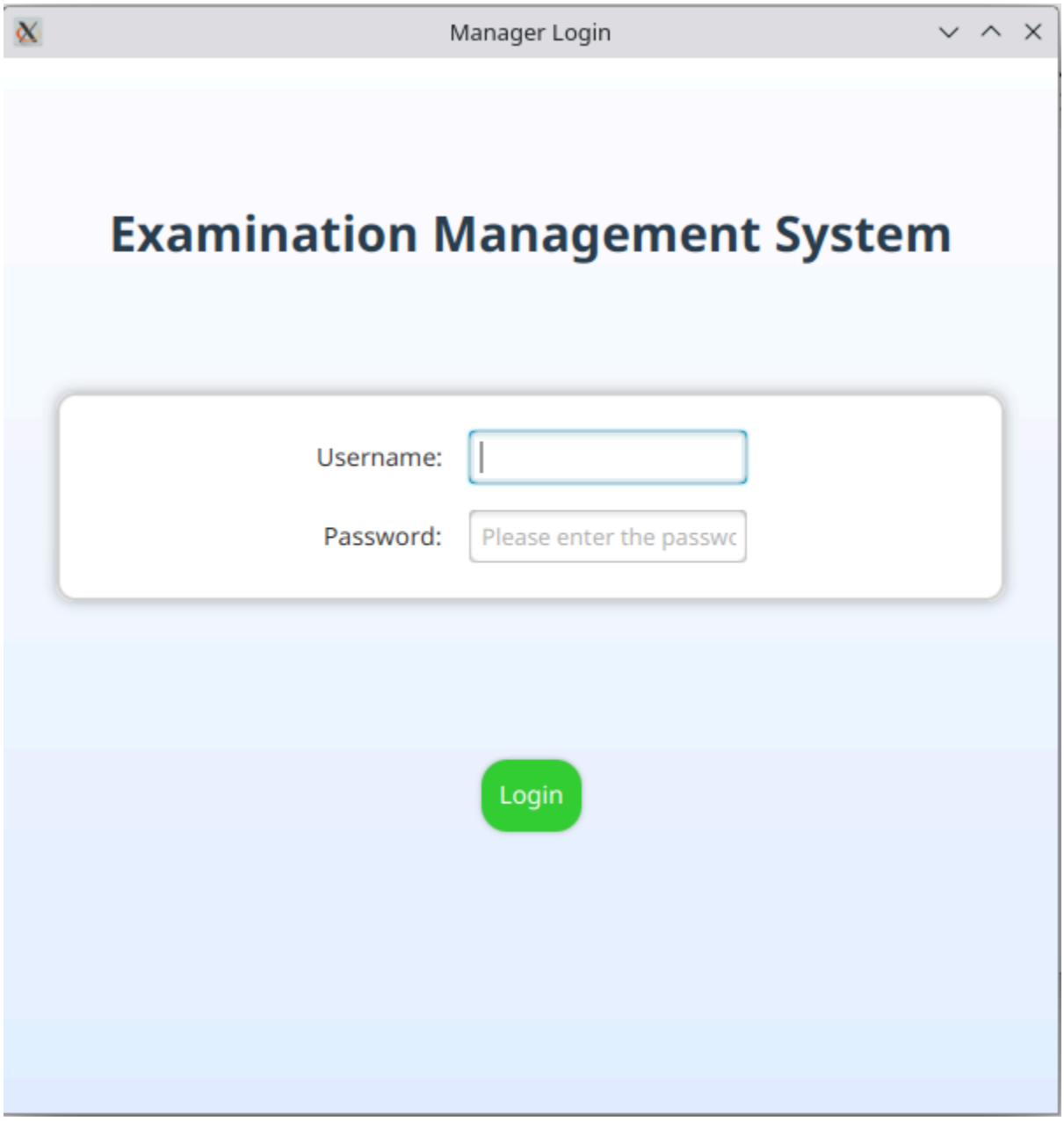
The overall functionality of this window and its buttons will be shown in the complementary video provided.

Screenshots of the execution of the application showing sample inputs and outputs (Task 3):

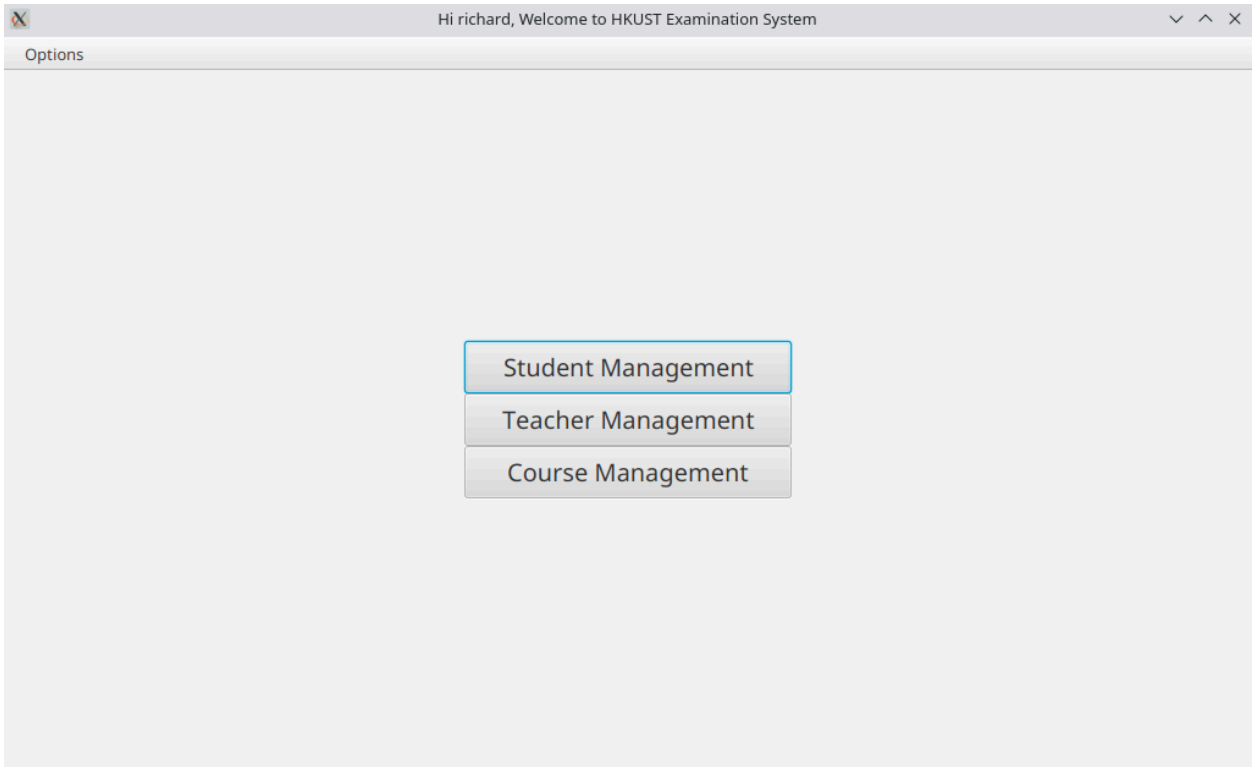
1. Teacher statistics:



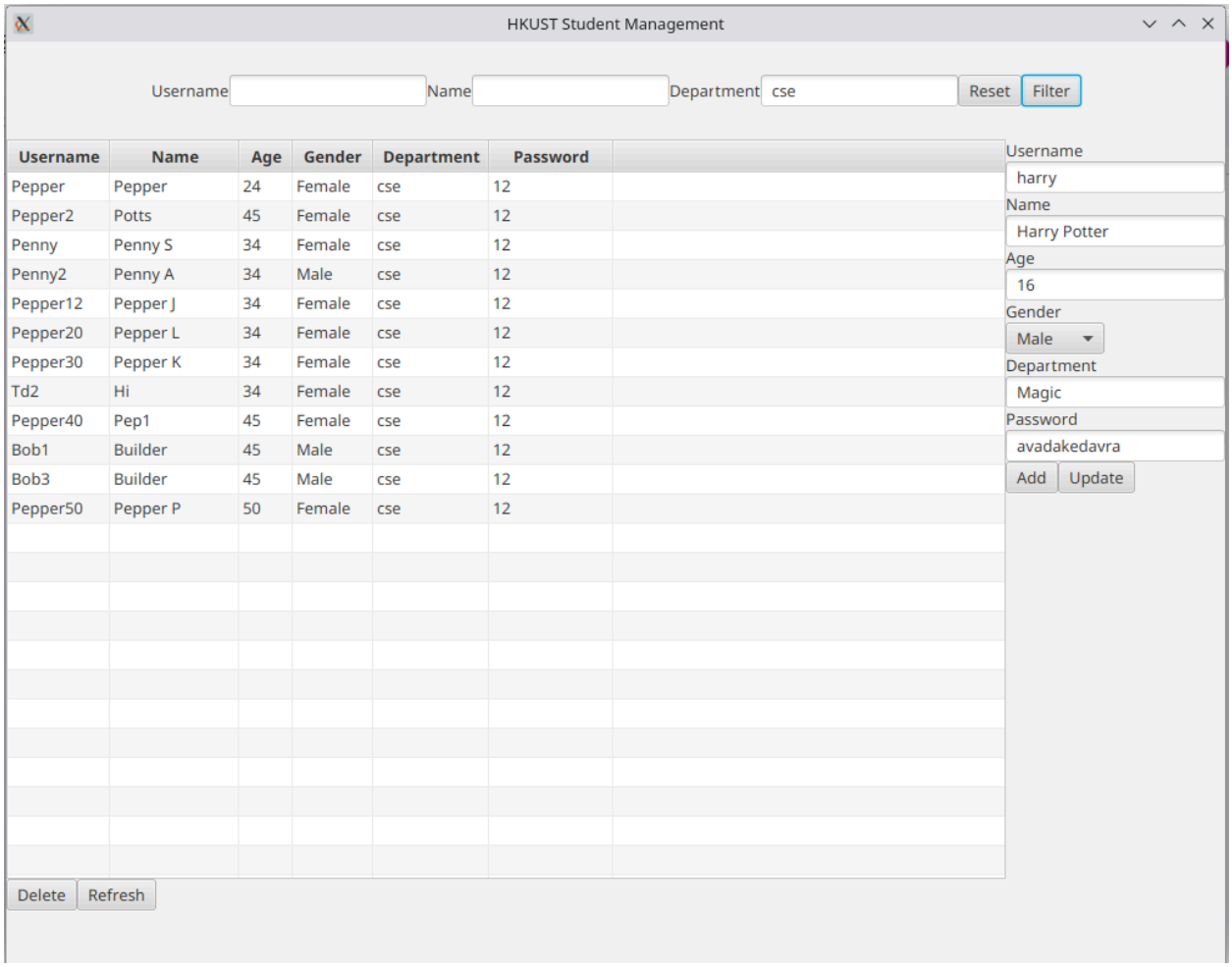
2. Manager login:



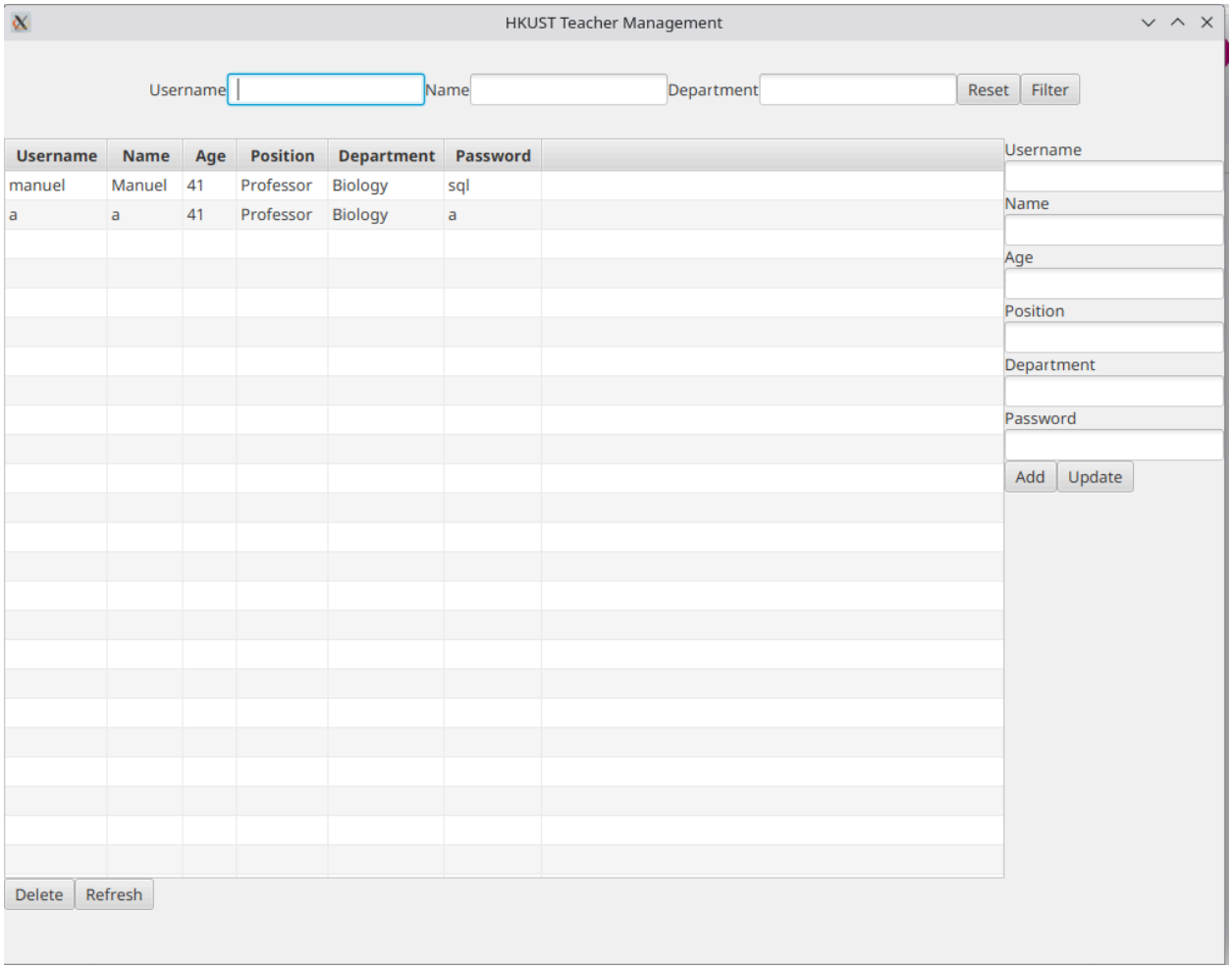
3. Manager view:



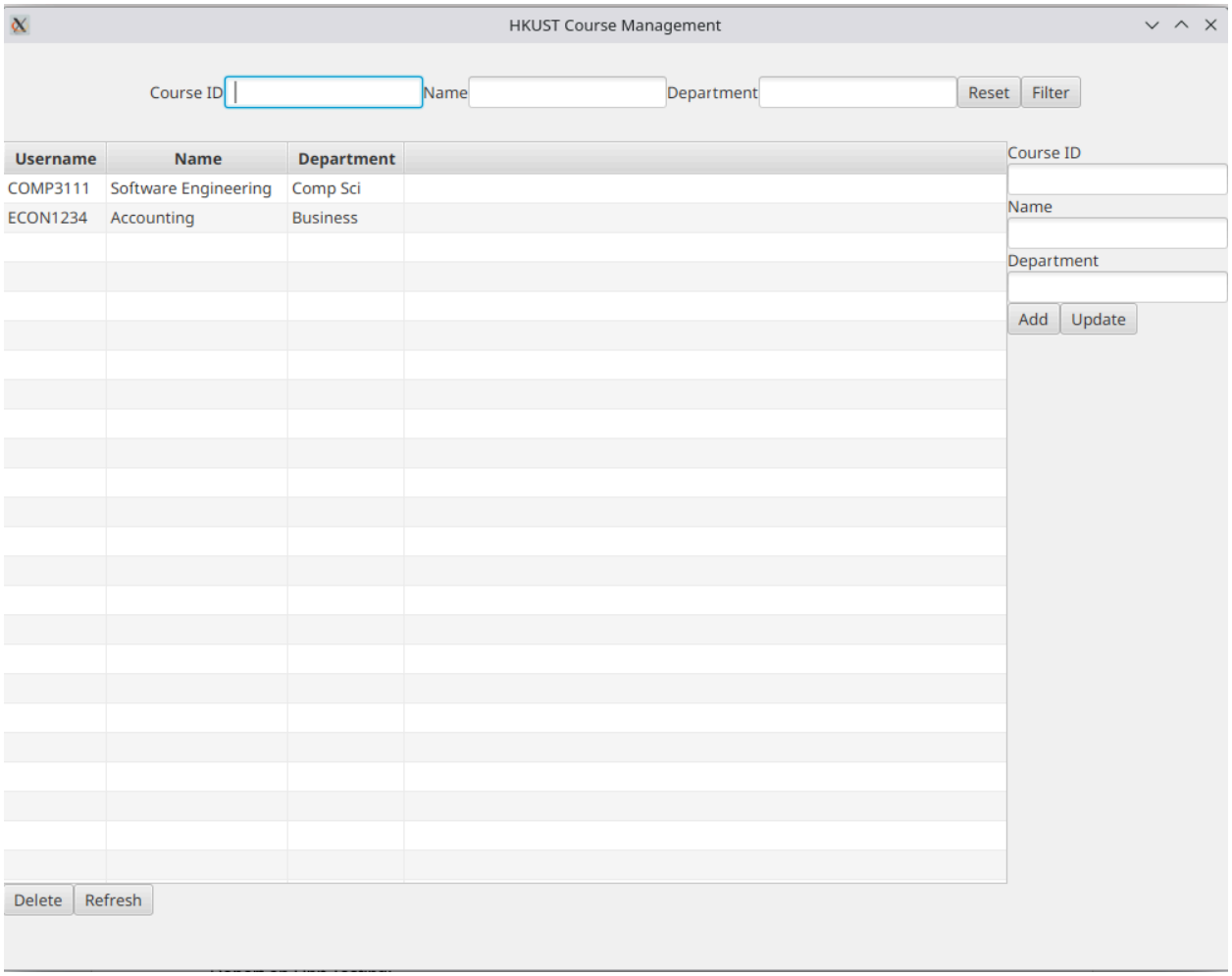
4. Student management:



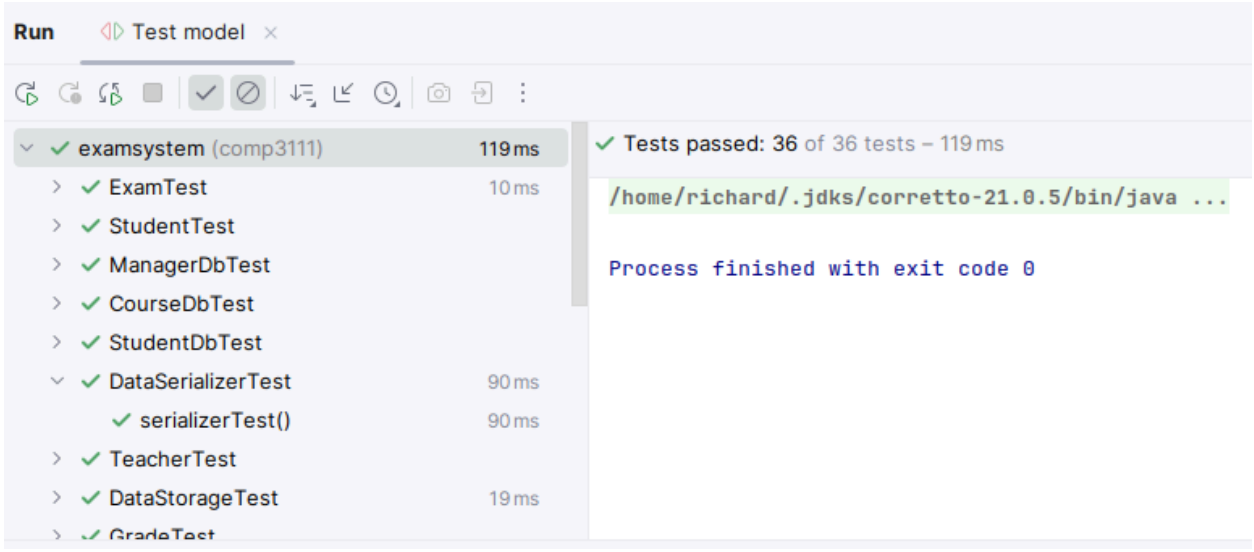
5. Teacher management:



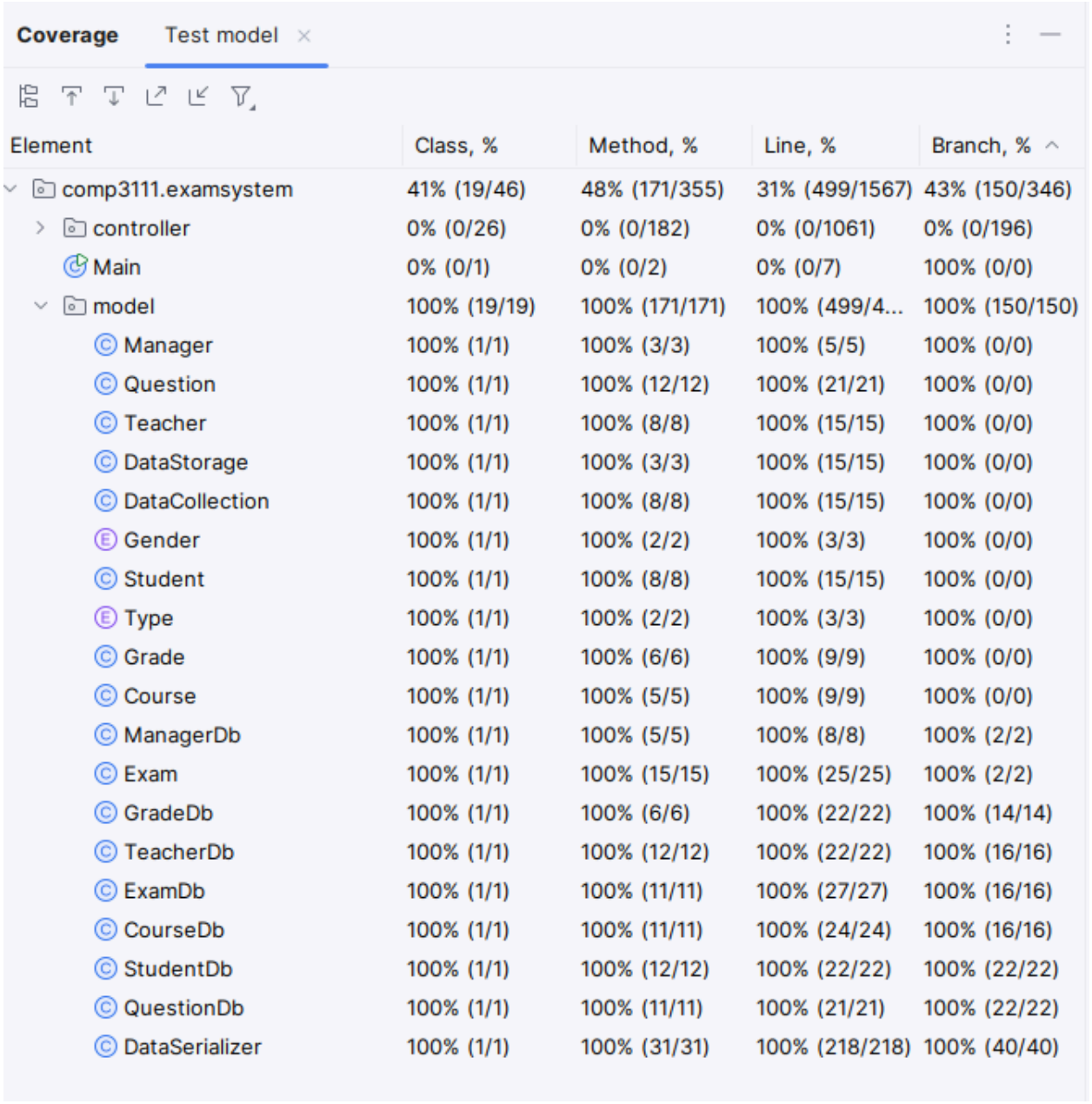
6. Course management:



Report on Unit Testing:

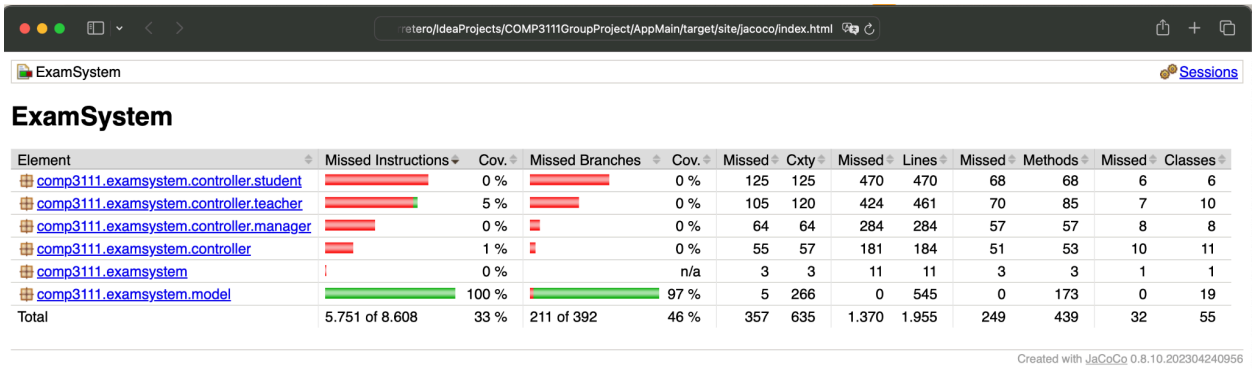


Report on Coverage Test:



Element	Class, %	Method, %	Line, %	Branch, %
comp3111.examsystem	41% (19/46)	48% (171/355)	31% (499/1567)	43% (150/346)
controller	0% (0/26)	0% (0/182)	0% (0/1061)	0% (0/196)
Main	0% (0/1)	0% (0/2)	0% (0/7)	100% (0/0)
model	100% (19/19)	100% (171/171)	100% (499/4...	100% (150/150)
Manager	100% (1/1)	100% (3/3)	100% (5/5)	100% (0/0)
Question	100% (1/1)	100% (12/12)	100% (21/21)	100% (0/0)
Teacher	100% (1/1)	100% (8/8)	100% (15/15)	100% (0/0)
DataStorage	100% (1/1)	100% (3/3)	100% (15/15)	100% (0/0)
DataCollection	100% (1/1)	100% (8/8)	100% (15/15)	100% (0/0)
Gender	100% (1/1)	100% (2/2)	100% (3/3)	100% (0/0)
Student	100% (1/1)	100% (8/8)	100% (15/15)	100% (0/0)
Type	100% (1/1)	100% (2/2)	100% (3/3)	100% (0/0)
Grade	100% (1/1)	100% (6/6)	100% (9/9)	100% (0/0)
Course	100% (1/1)	100% (5/5)	100% (9/9)	100% (0/0)
ManagerDb	100% (1/1)	100% (5/5)	100% (8/8)	100% (2/2)
Exam	100% (1/1)	100% (15/15)	100% (25/25)	100% (2/2)
GradeDb	100% (1/1)	100% (6/6)	100% (22/22)	100% (14/14)
TeacherDb	100% (1/1)	100% (12/12)	100% (22/22)	100% (16/16)
ExamDb	100% (1/1)	100% (11/11)	100% (27/27)	100% (16/16)
CourseDb	100% (1/1)	100% (11/11)	100% (24/24)	100% (16/16)
StudentDb	100% (1/1)	100% (12/12)	100% (22/22)	100% (22/22)
QuestionDb	100% (1/1)	100% (11/11)	100% (21/21)	100% (22/22)
DataSerializer	100% (1/1)	100% (31/31)	100% (218/218)	100% (40/40)

With JACOCO:


retero/IdeaProjects/COMP3111GroupProject/AppMain/target/site/jacoco/index.html
ExamSystem
Sessions
ExamSystem
Element
Missed Instructions
Cov.
Missed Branches
Cov.
Missed
Cxty
Missed
Lines
Missed
Methods
Missed
Classes
comp3111.examsystem.controller.student
0 %
0 %
125
125
470
470
68
68
6
6
comp3111.examsystem.controller.teacher
5 %
0 %
105
120
424
461
70
85
7
10
comp3111.examsystem.controller.manager
0 %
0 %
64
64
284
284
57
57
8
8
comp3111.examsystem.controller
1 %
0 %
55
57
181
184
51
53
10
11
comp3111.examsystem
0 %
n/a
3
3
11
11
3
3
1
1
comp3111.examsystem.model
100 %
97 %
5
266
0
545
0
173
0
19
Total
5.751 of 8.608
33 %
211 of 392
46 %
357
635
1.370
1.955
249
439
32
55
Created with JaCoCo 0.8.10.202304240956

Documentation on the implemented tasks using JavaDoc:

The .html files can be found in the team repo. You may find directions on how to open them inside the Readme file!

Supplementary Notes:

Video is in the GitHub Repo. There is one video for each task that we have prepared. Thank you!