University Course Ranking and Feedback System

Group Name: Neu_Hackers

1) Abstract:

The purpose of this report is to measure the quality of education delivered by universities by creating a performance evaluation system that considers factors in terms of faculty and courses which contribute to the growth of the graduates over 5 years. The course ranking system is based on the data received from graduate students over the years i.e. from the time they joined the university till present. Further, course ranking system will help university administrators to keep track of students, courses and faculty that will eventually help make necessary changes to improve the quality of education. The factors used to evaluate the performance of any university are ranking of teaching faculty based on the feedback from the current students and ranking of relevant courses which is in accordance to the jobs secured and promotions.

2) PROJECT OBJECTIVE:

The main objective is to develop a robust University Course Ranking and Feedback System.

Specific Objectives:

- Creating a security model for student and admin with appropriate authentication.
- To create a dashboard which obtains information from graduated students about their current employment, designation, salary etc, that enables college and university administrators to compare the performance of their academic units.
- To create a graphical User Interface for the admin to view these statistics and rankings, and Update or Delete the least ranking courses.
- The admin dashboard will also allow the admin to create, view, update or delete a student, faculty or course in the system.

3) INTRODUCTION:

We have designed a system which evaluates the overall success of each student that has graduated over a period of 5 years, along with statistics about the courses that bolstered their success, to rank the courses based on the overall performance of the students that had taken it. Our system is an application that sends emails to graduate students with a link to a form having a questionnaire ranging from personal information to feedback regarding the course, current job etc. This email is sent at regular intervals to make sure that the response rate is good enough to keep the ranking system up to date. This details will help the University to decide which courses are useful and which are the ones that need upgrade.

Following are some of the questions asked in the form sent to the alumni.

1. What was your first salary and what is your current salary?
2. What is your current/past Companies and position?
3. How long have you been employed?
4. What is your job Location?
5. Have you had any promotions? If yes what role?
6. Rate your job Satisfaction from 1 to 10
7. Rate your Courses from 1 to 10 based on their relevance to your work?
8. Rate all your courses from 1 to 10 based on their course structure?
9. Rate the subject from 1 to 10 you feel helped you getting the job?

10. Please select one option if you think a change is needed in your relevant coursework based on the current industry standards?

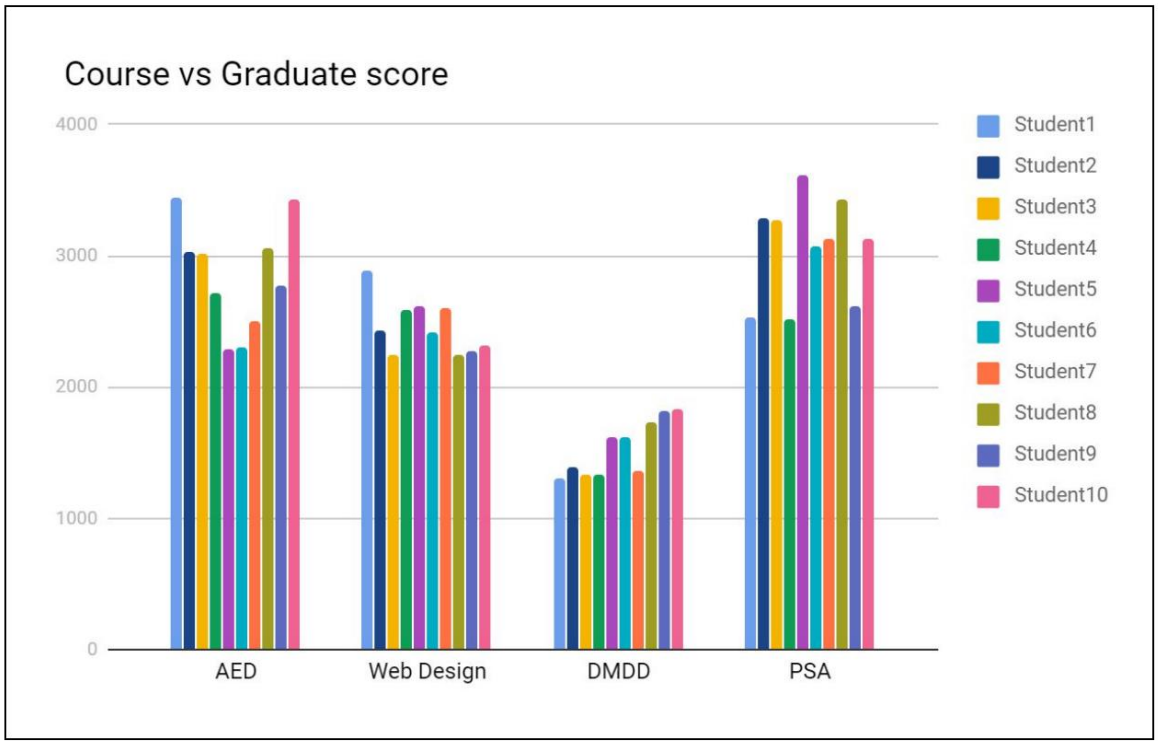
4) SCOPE:

The proposed system is intended to collect and analyse specific information of students such as personal details, course details and employment details etc.
This project when completed will provide a comprehensive study of the practical applicability of the courses offered by the university and the faculty who taught it.

The proposed system will have the following features:

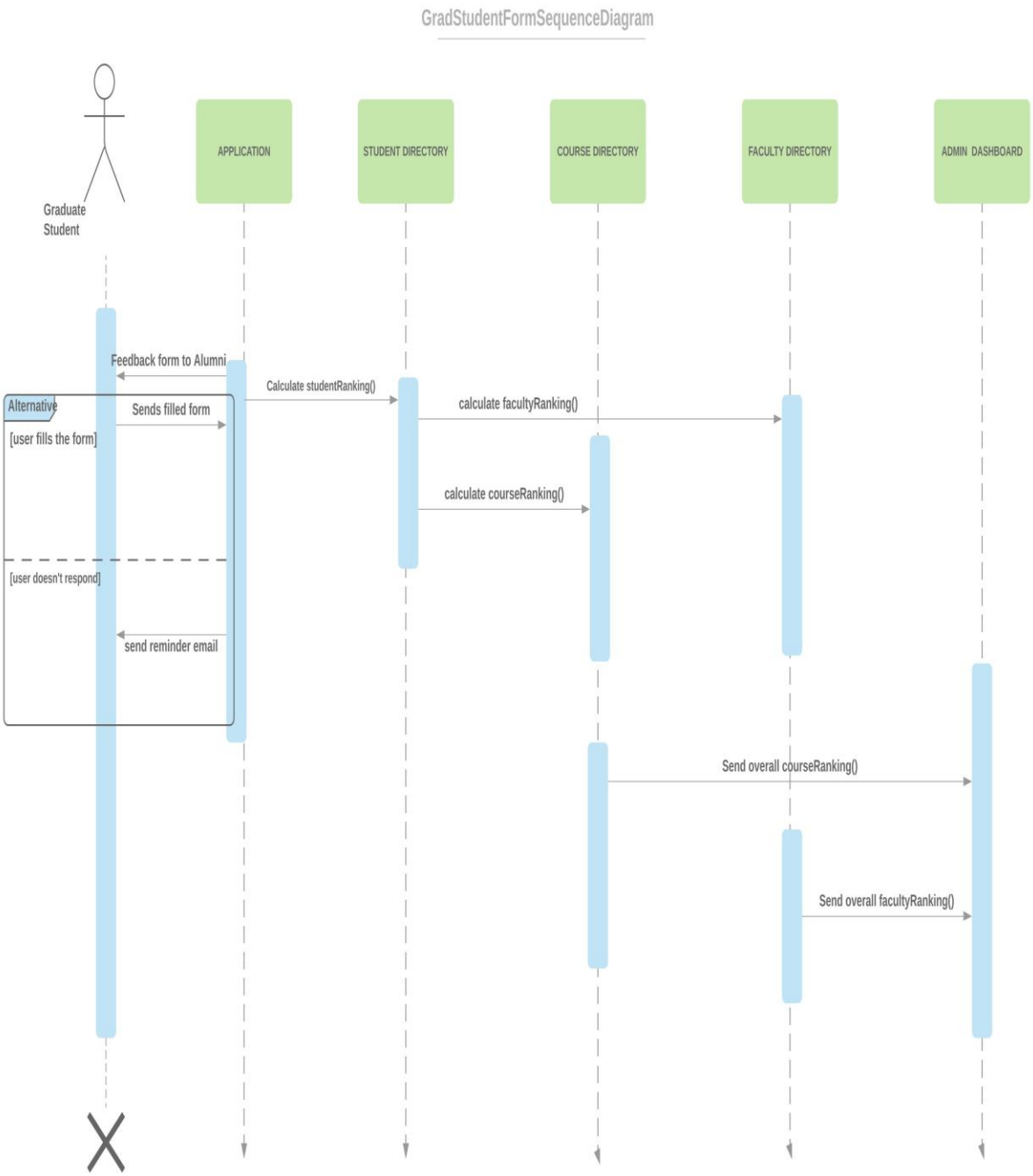
- **Login module:** Login module will help in authentication of user accounts. Only Administrators and Students that have valid login credentials can access their respective dashboards.
- **Administrative module:** This module will enable an admin to perform all administrative duties and access all information.
- **Student module:** This module will collect information from the graduate student which will then be used to calculate their success score. The students can also view the course ranking for guidance in deciding their choice of courses

For eg:

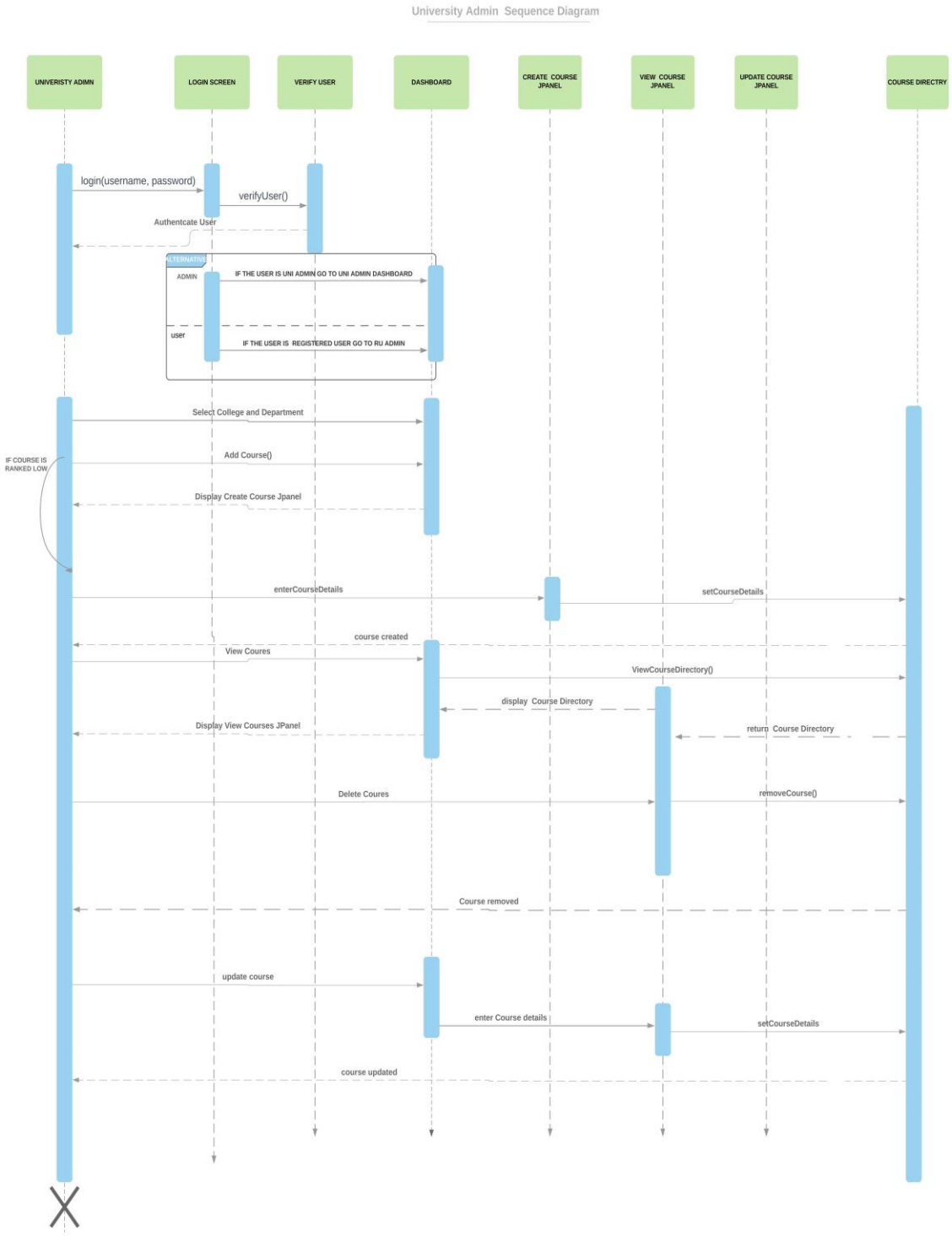


5) Diagram:

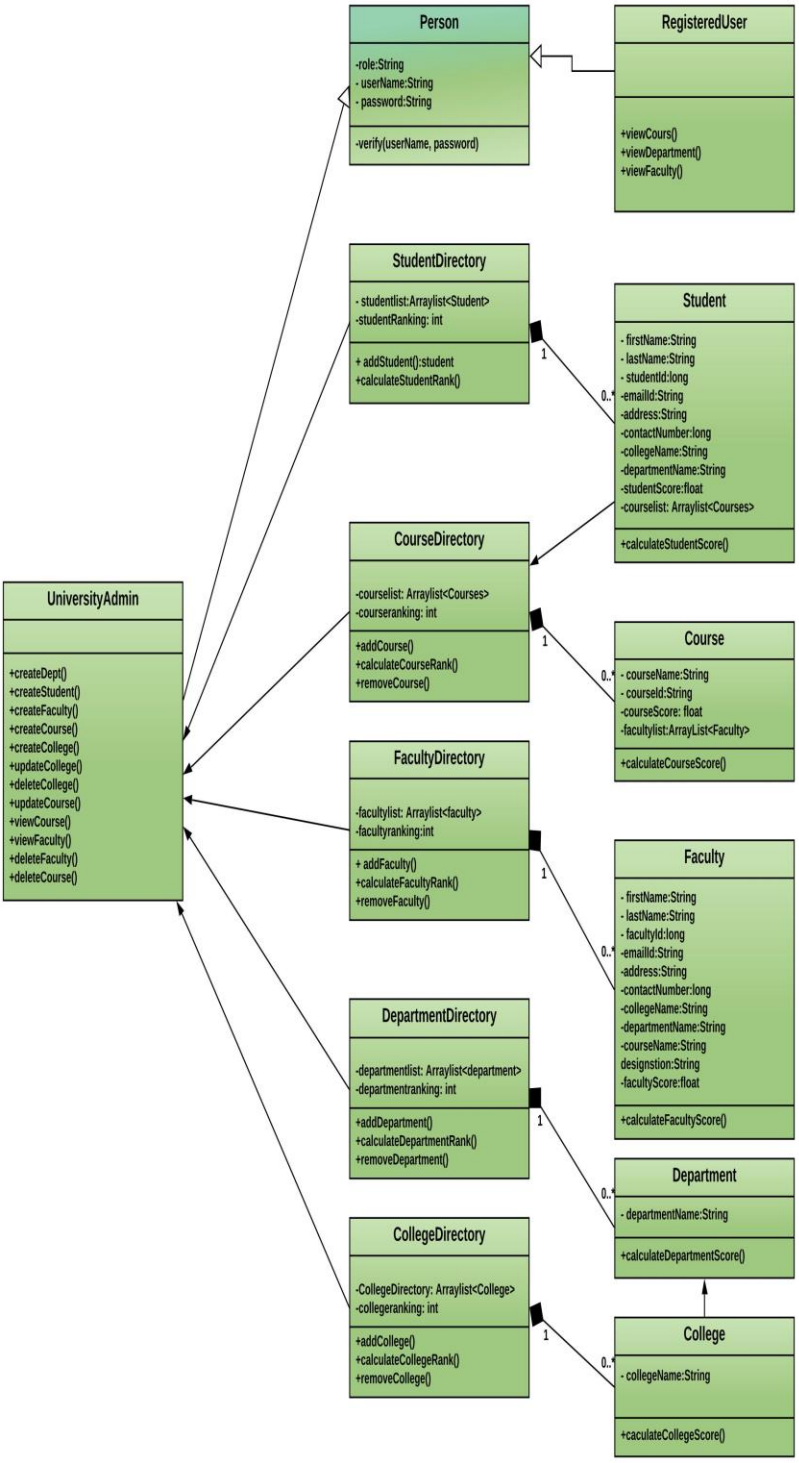
(i) Sequence Diagram:
Student:



University Admin:



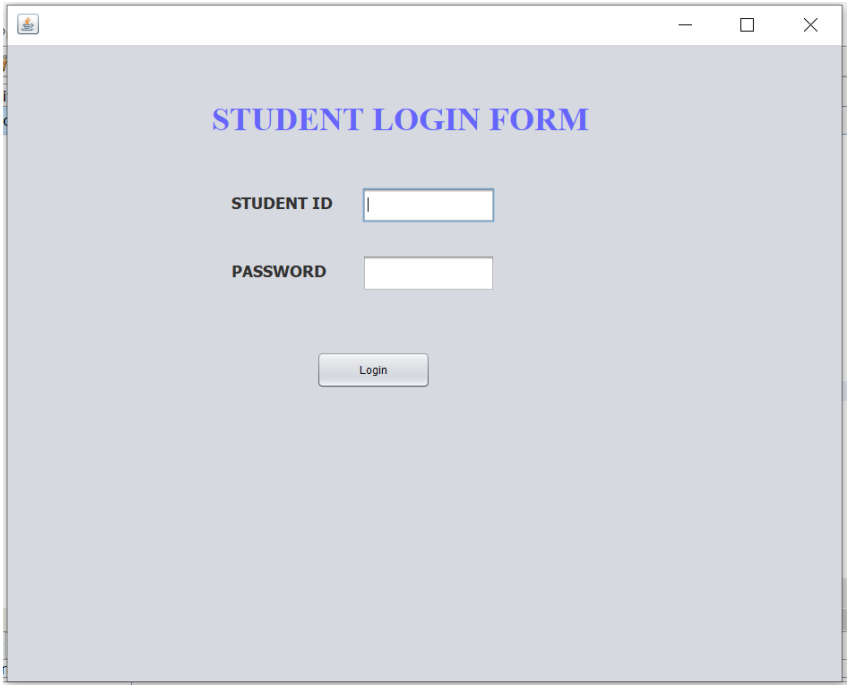
(ii) Class Diagram



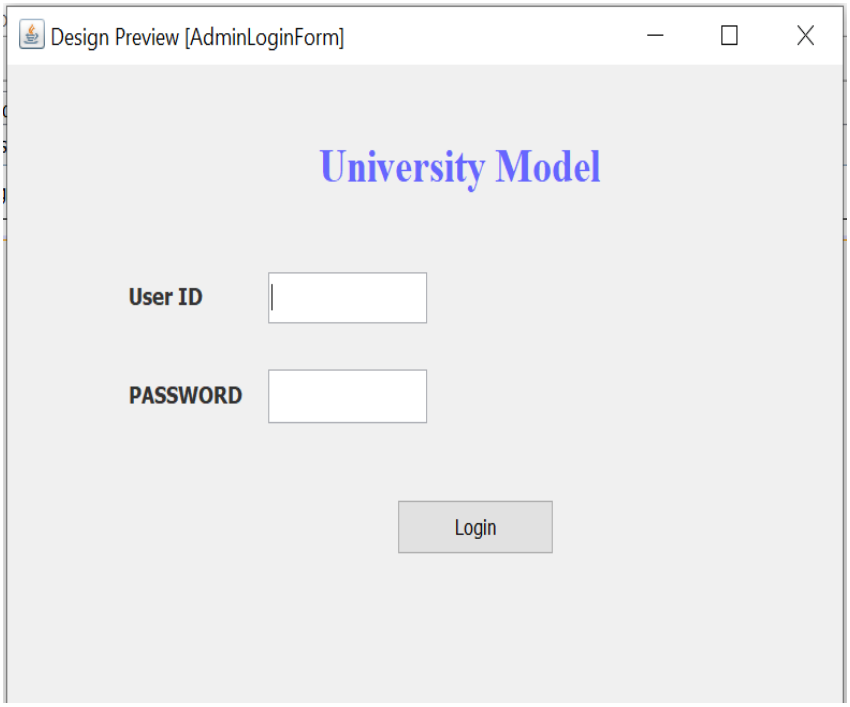
6) User Interface

(i) Login

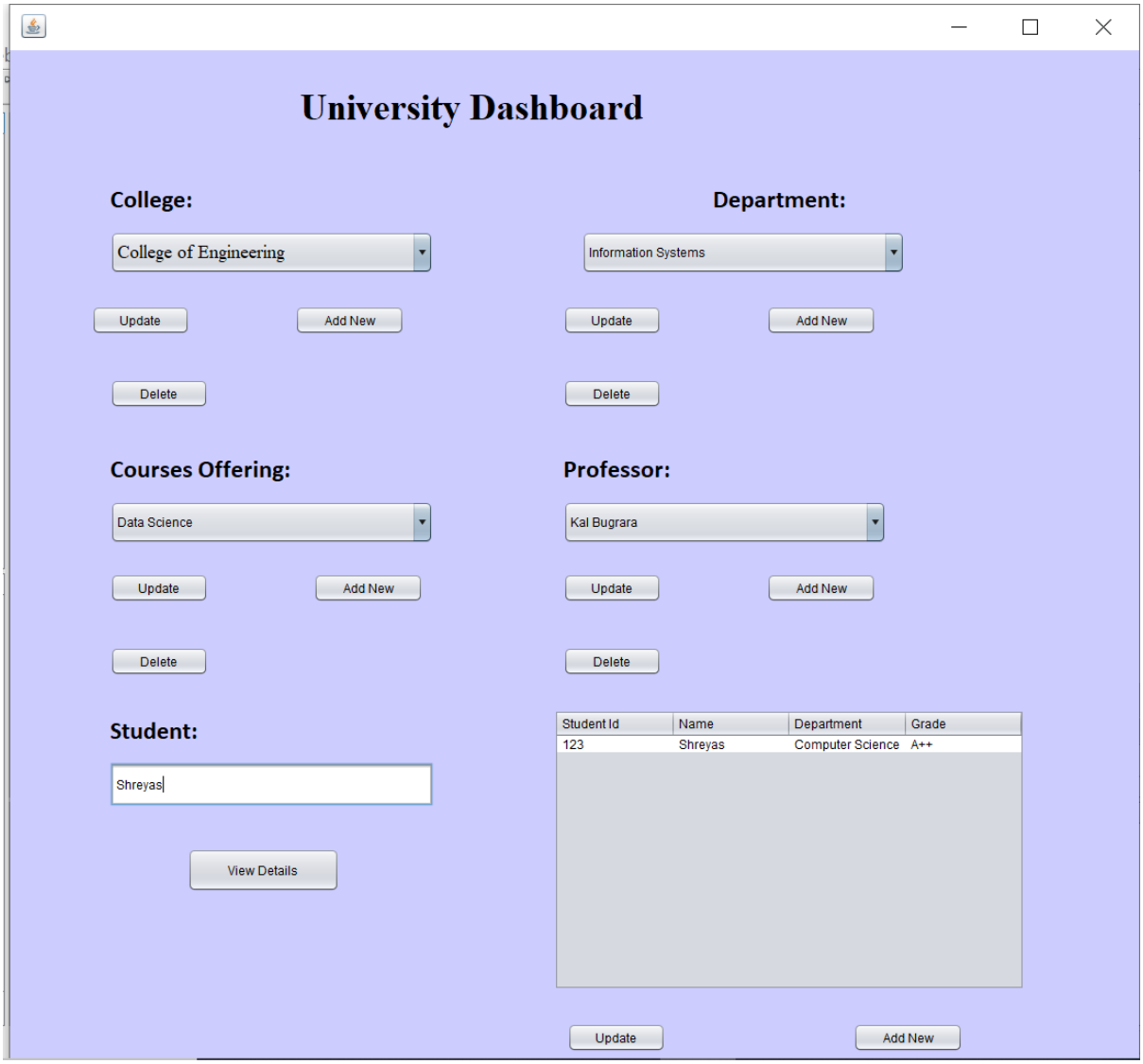
Student



Admin



(ii) Admin Dashboard



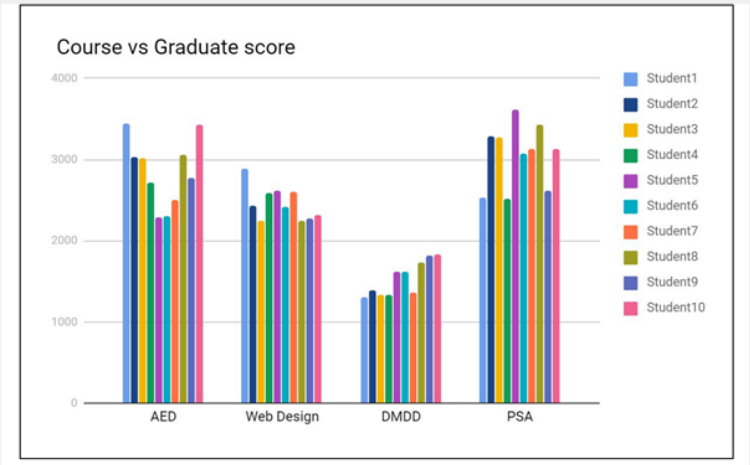
(iii) View Courses

Design Preview [NewJFrame]

VIEW COURSES

Course ID	Course Name	Department	Faculty	Course Rank
INFO5100	Application Design an...	Information Systems	Bugrara, Kal	1
INFO6150	Web Design and User ...	Information Systems	Amuthan, Aluraj	2
INFO6150	Web Design and User ...	Information Systems	Amuthan, Aluraj	3
INFO5100	Application Design an...	Information Systems	Bugrara, Kal	4
INFO6150	Web Design and User ...	Information Systems	Amuthan, Aluraj	5
INFO5100	Application Design an...	Information Systems	Bugrara, Kal	6
INFO6150	Web Design and User ...	Information Systems	Amuthan, Aluraj	7
INFO5100	Application Design an...	Information Systems	Bugrara, Kal	8
INFO6150	Web Design and User ...	Information Systems	Amuthan, Aluraj	9
INFO5100	Application Design an...	Information Systems	Bugrara, Kal	10

(iv) View Graphs

View Graphs

Course Popularity