UNIVERSITY RANKING EVALUATION MODEL

INFO 5100: Application Engineering and development

Submitted By

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Problem Outline:

Our Education system is based on trust, brand & various factors. This makes the system non-adaptable to changes. While as a university system we have so much data that if used can turn into meaningful insights to deliver tangible results. The performance measurement of a university calculates the ranking based on survey, third party rating institutions for processes. But there ain't an internal system of feedback which combines factors like courses, faculties, students & alumni . An effective feedback mechanism on how courses taught led to an exceptional career of a student over a period of 5 years.

Project Aim:

The aim of this project is to create a performance evaluation system that enables universities to measure the quality of the education they deliver to their students.

- Feedback system is created to take surveys from alumni of the university.
- Sequence diagrams showing how to navigate the university object model to deliver performance metrics needed for performance and feedback.
- A class diagram showing the changes to the university model to support the new capabilities. This diagram must include the additional methods and attributes required to deliver the results.

Introduction:

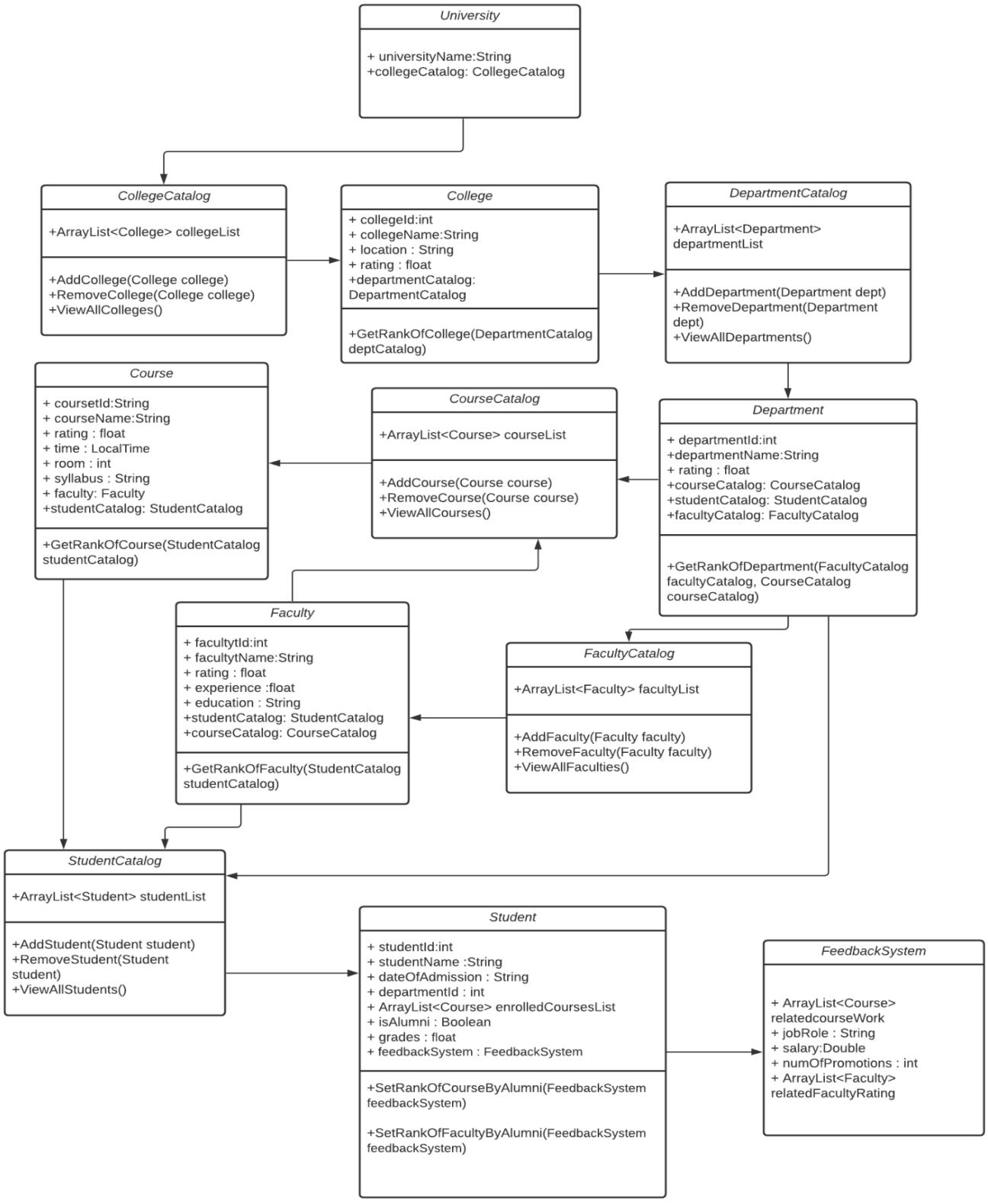
We have created a system that takes surveys from alumni & based on their feedback about courses, faculty, department that led to their career growth in a period of over 5 years.

The feedback system is created to take relevant information asked in a survey about courses taken, faculty, department & ranking of them. This information is captured & sent to the university for further analysis.

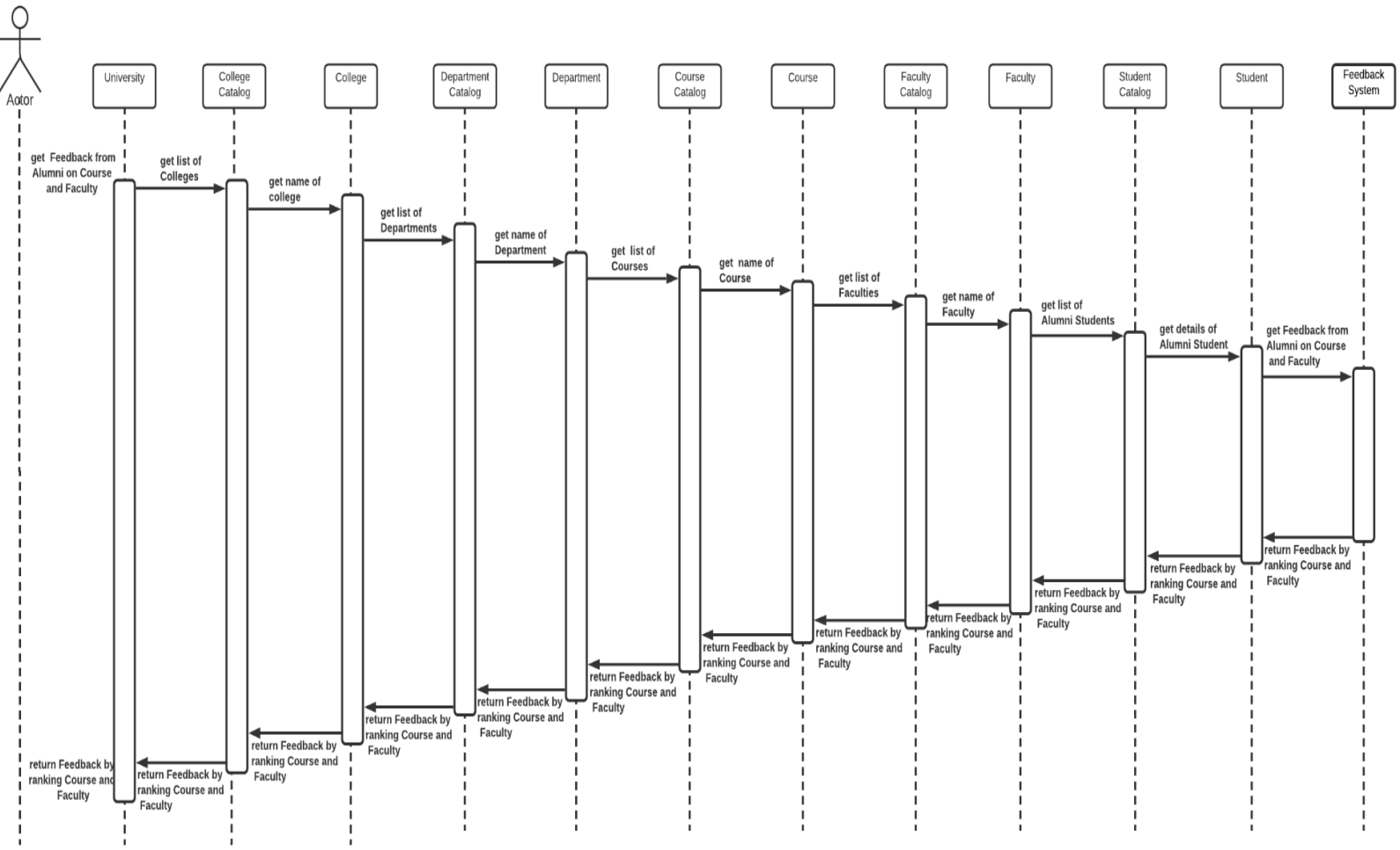
Success of any university, college & department is based on the quality of education that they provide to their students & which in turn is also making the career of the students. The Alumni are the mirrors of the university on how they can fine tune their curriculum to benefit the current students based on the industry trend.

Our project model takes the data , profile of an alumni & generates a specific questionnaire via which the information collected at the end of feedback can help universities to analyse the popular courses, faculty & why of that career track. Alumni's profile over 5 years is a powerful tool that enables university brand & trust in future students.

UML Class Diagram : UNIVERSITY RANKING EVALUATION MODEL



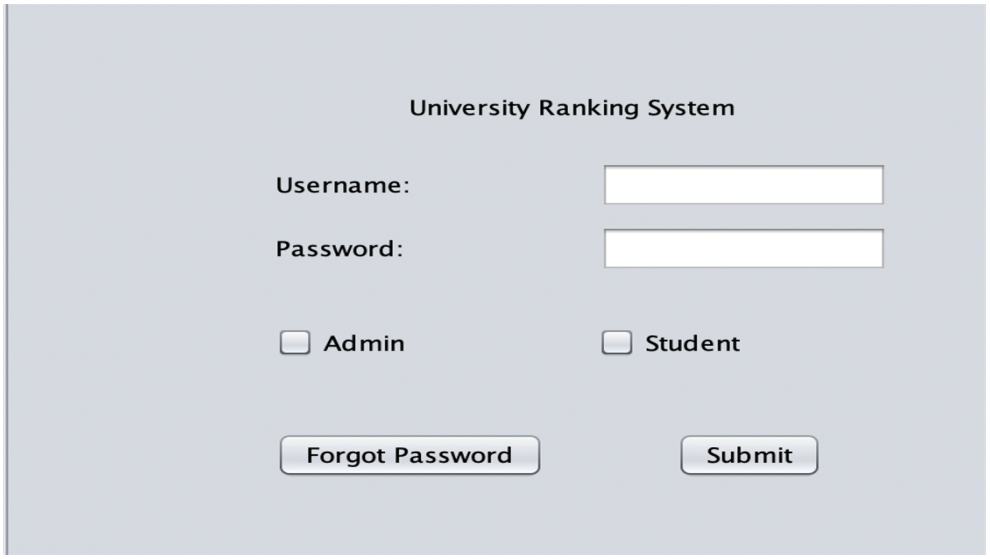
Sequence Diagram : Department and College Ranking based on Course Rank and Faculty Rank by Alumni



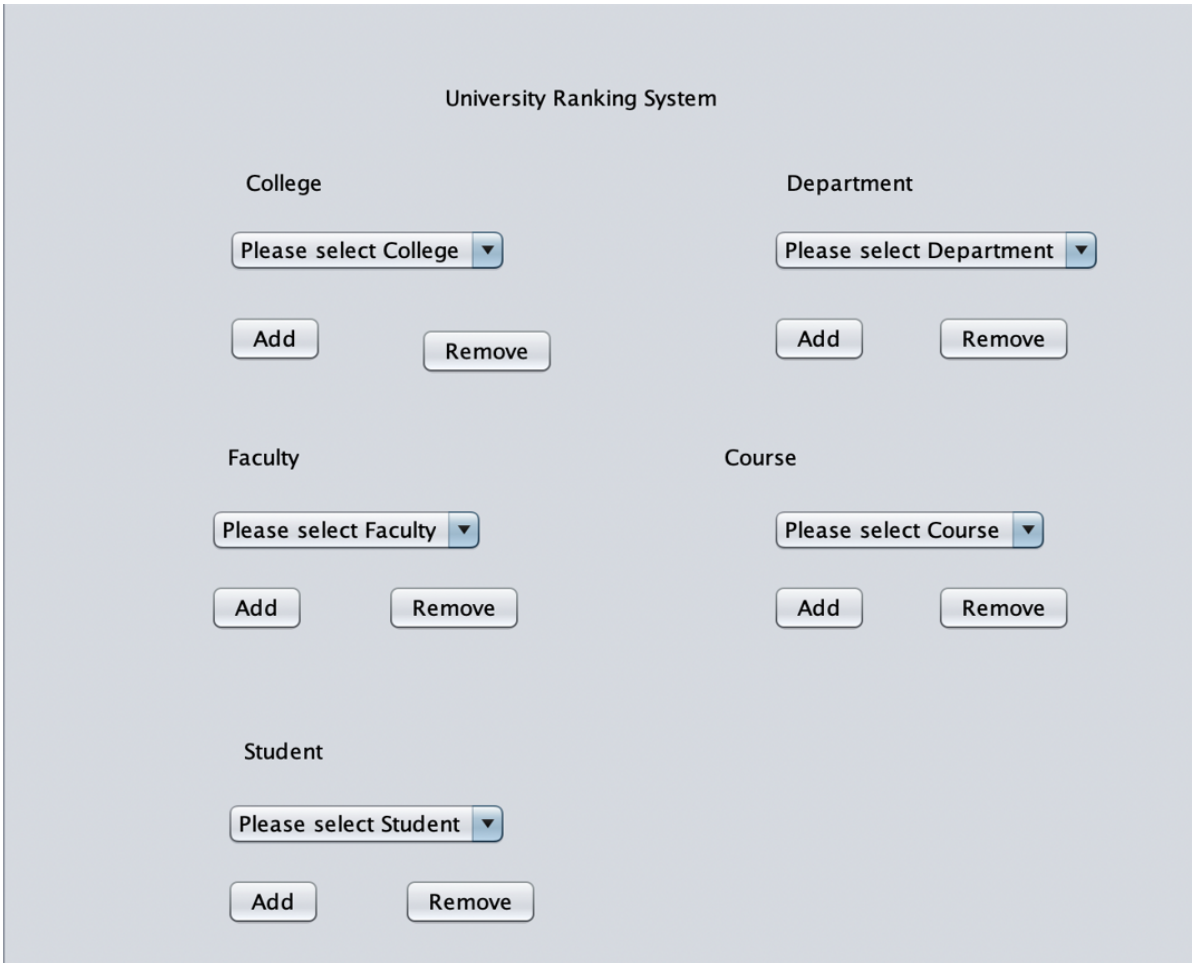
The Sequence diagram depicts the flow information to show relevant courses , faculty with respect to alumni profile.In this feedback system we are taking survey answers from alumni that decides rank of courses, faculty & in turn university . The rank of courses is displayed in descending order. We have shown interaction of different objects of a university model through this diagram.

Dashboard Design

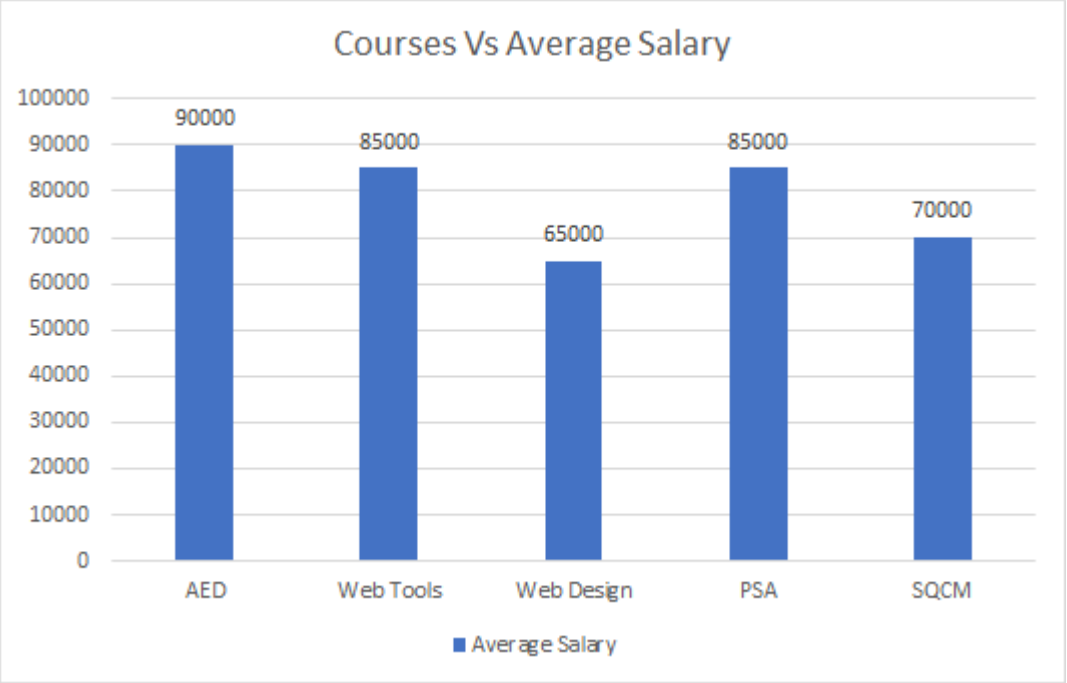
Login Page

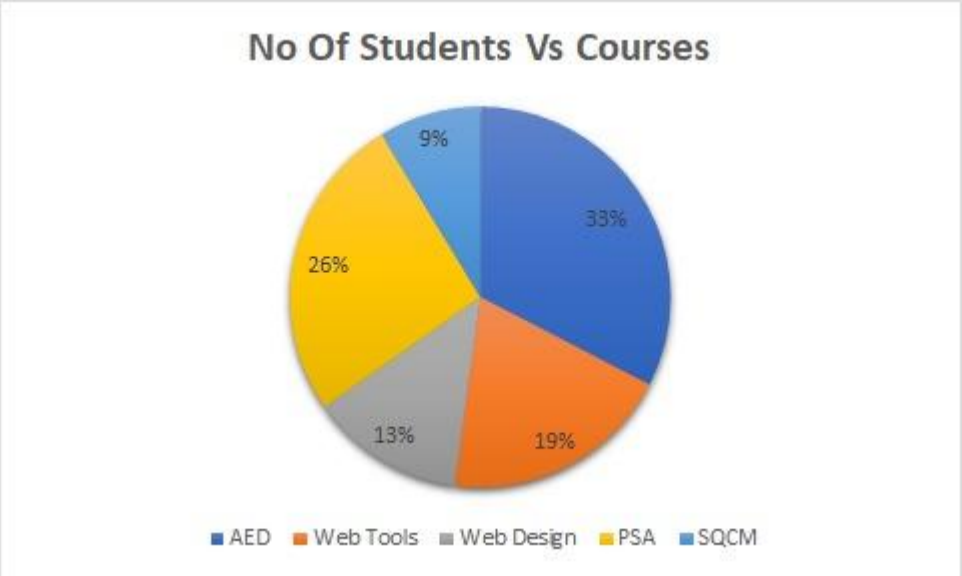


Dashboard



Graphs


Courses Vs Average Salary
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
90000
85000
65000
85000
70000
AED
Web Tools
Web Design
PSA
SQCM
Average Salary


No Of Students Vs Courses
9%
33%
26%
13%
19%
AED
Web Tools
Web Design
PSA
SQCM

Conclusion:

We have designed a university ranking system based on the performance measurement that takes into account the alumni feedback based on courses, faculty, department. We have also taken the alumni profile that talks about the company , salary , promotion over 5 years. This data will help current students to identify popular courses, ranking , trends in industry that make a sound career . The ranking of department, college & university will guide future students to select relevant coursework , faculty for their profile. Moreover the scope of this project can be expanded to take the feedback from employers on which department, college, university students are hired based on their technology profiles.