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Introduction

The application must allow us to find a method of quantifying the rating of the university based on student job profiles, student feedback for both professors and college. The aim of the project is to provide solutions for students joining the program to find help in selecting the university based on their requirement. It also helps the students figure out the courses to consider and professors who will be best suitable for them.

Background

This affects all the stakeholders namely the staff, students, university, etc. This method of performance management helps identify problem areas in an organisation to resolve any discrepancies right away.

A few of Rating Quantifying methods would include:

- Graphic Rating Scales
- 360-degree feedback
- Self-evaluation
- Checklists
- Industry research

The way that the personal success is identified depends on each individual and their idea of success. What might be successful for me might not be a successful situation for another individual, which is why it is very important for find out how the individual feels about their progress.

Based on the current industrial trends, we can find out how the companies are ranked, and their concurrent job roles are ranked, based on this data we can have a clearer idea of where an individual stands according to these standards. It can also include metrics of how many students have gone back to school (which school) and major chosen.

Problem Analysis

For a prospective student applying to a university the most criteria to consider would be the university ranking, and once the students join a certain program, the course and professor rating can help them better in figuring out what classes they want to take and how it might influence their future. Once the students graduate, tracking their success can help understand the future of the current and prospective students.

These parameters are what every individual bases each of these respective choices on. This is also a necessity to understand how well each of these areas of the university work separately and also together as a whole.

Solution Design

If each individual graduated student's success can be defined based on their place of employment, job roles, and their own admission of their success. A model must be created such that each of these parameters can be calculated based on a mathematical formula so that the organisation as a whole can be quantified.

Implementation Methods:

Verify credentials

This method identifies if the person trying to access the information is an existing student or a prospective student. Certain information is only available to the current student as staff.

View dashboard

Based on the user profile, the dashboard would be personalised, and options should be displayed to view the ratings.

View student profile

Students must have their course details, professor details, etc. displayed

Get course catalogue

Must be able to access the course information of an individual and their individual grades and assignment details.

Get student GPA (total rating)

The following formula can be used to get the student body GPA

$$\text{Total GPA rating} = (\text{GPA} * 2 + 2)$$

Set course rating (total rating)

The **average of the rating provided by the current students + alumni** can be considered as the total course rating.

Set Faculty rating (total rating)

The **average of the rating provided by the current students + alumni** can be considered as the total faculty rating.

Set University rating (total rating)

Based on the student profiles, faculty rating and course rating, we can identify the university rating. We can use a system wherein based on the industry standards, a ranking is identified.

Get individual success score

Each Alumni and current student is given a metric where they can choose a **score between 0 – 10**, average of these scores can be taken to find the success score.

Get Career Profile

Each salary profile, employer organisation, and job roles are given a point based system (out of 10), the average of these scores will be considered as the career profile score.

For example :

- Salary
 - 130k+ 10 Points
 - 90k – 130k 7.5 Points
 - 80k – 90k 5 Points
 - 70k – 80k 2.5 Points
- Job Role
 - CEO/ CFO/COO – 10 points
 - President / Director – 7.5 points
 - Manager / HR – 5 points
 - Other roles - 2.5 points
- Companies can be classified based on the yearly rankings.

Calculate Career Success Rate

$\text{GPA} + \text{Course rating} + \text{Individual Success Rating} + \text{Career Profile rating} / 4 = \text{Career success rate.}$

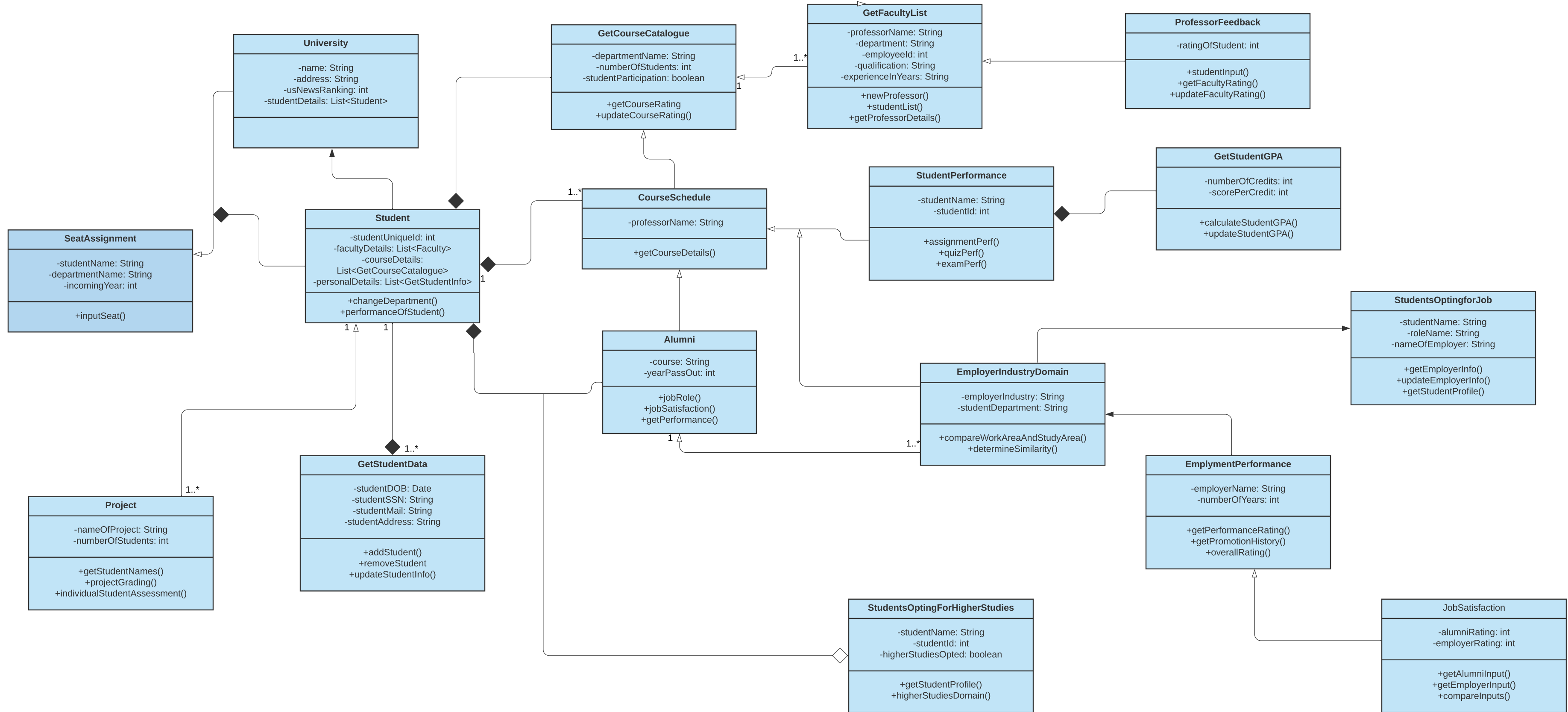
Testing

Application development is only complete when it is tested, this application must be tested with both positive and negative scenarios to find if feasible.

Summary

The university application would predict future trends based on the current and past ratings and jobs acquired based on the specialization. When there is a numerical value and data collection through all the phases, the authenticity of the data cannot be questioned. This will provide a well-rounded idea of how well the university is managed too.

UML Diagram for University Dashboard Model



University Dashboard Model Sequence Diagram

