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## **Purpose/Objective**

The goal of this task is to develop a performance measurement solution that enables universities to measure the quality of their students' education. We want to use software engineering techniques to improve the quality of education everywhere and hold people accountable for improving the quality of life through education, learning, and feedback. The focus is to examine how an educational system, in terms of faculties and courses, contributes to the growth of its graduates. We find ways to track jobs and promotions, earn graduates over time, and assign rankings accordingly. Also, keep track of the interconnectedness of courses and their relevance to graduate growth.

## **Problems Addressed:**

Our major focus is to develop a performance measurement solution to measure the quality of education they provide to students so that future students have a better idea of course selection by analyzing their interest and relevant university ranking.

This system is designed in such a way that the university can continuously update its courses and course content. This can be done by analyzing students, teachers, student employment details and developing a strategy to implement the proposals. Alumni feedback also plays an important role in determining the ranking.

## **Classes and relevant methods:**

### **Course**

- CourseNumber: string
- CourseName: string
- Credits: int
- Price: int

## **Course Catalog**

CourseList: ArrayList<String>

LastUpdated: String

## **Course Load**

- Semester: String
- Seatassignments: ArrayList<String>

## **Course Offer**

- Seatlist: ArrayList<String>
- jobRating : int
- growthRating: int
- getEmptySeat : To see which course is least preferred
- getJobRating: retrieves which course is in more demand in the industry(for jobs)
- calculateTotalRevenues: total revenue generated by that particular course
- isOccupied: Is the seat available for particular course
- 

## **Department**

- calculateRevenuesBySemester: calculates total revenue of semester

## **Admin Directory**

- Adminlist: ArrayList<String>
- newAdmin: adding new Admin profile in the Admin list

## **Student Directory**

- newStudentProfile: adding new student profile in the student list
- findStudent: finding a particular student by its student ID

## **Admin**

- relevantcourseoffers: ArrayList<String>
- title : String
- promotionCount : int
- getGrowthRate : It displays the growth in salary by calculation
- getCurrentSalary : retrieves the current salary
- getYearsOfAdmin : retrieves the number of years person has worked

## **Growth History**

- growth : ArrayList<String>

## **Faculty Directory**

- newFacultyProfile : adds a new faculty profile in faculty list
- findTeachingFaculty : finds a faculty profile by ID

## Faculty Profile

- facultyassignments : ArrayList<String>
- AssignAsTeacher : tells which teacher teaches which course
- 

## Course Rating

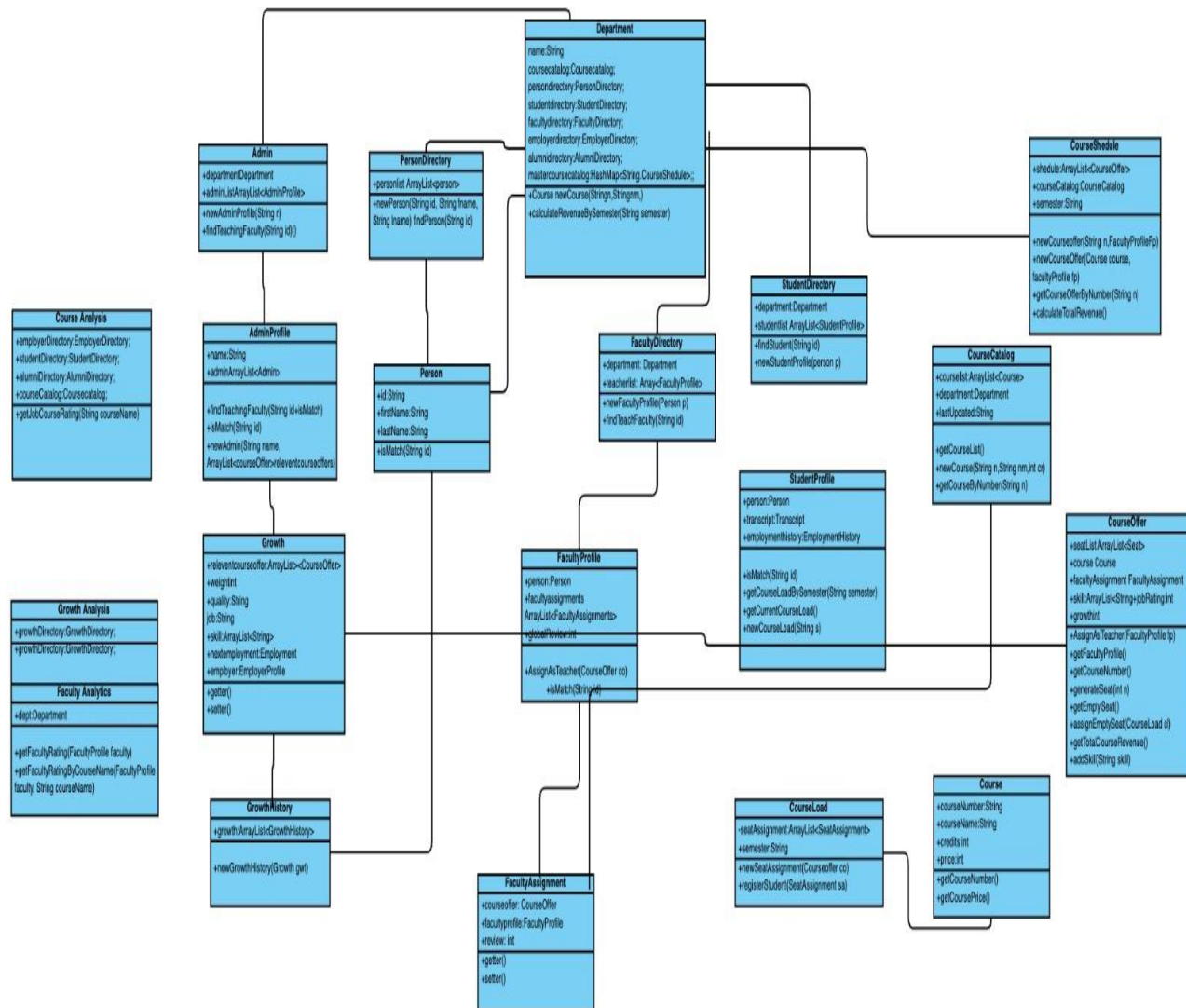
- getJobCourseRating : retrieves rating of the course by various measurements and
- getTopJobCourses : retrieves which course is more preferred in respect to job opportunities
- getCourseSalaryGrowthRatingForCourse: retrieves growth of person in industry who took the particular course
- getCoursePromotionGrowthRatingForCourse: retrieves which person had promotion who took the particular course
- getEnrollmentRatings: retrieves the rating of course
- getAverageGPA: retrieves the average GPA

## Faculty Rating

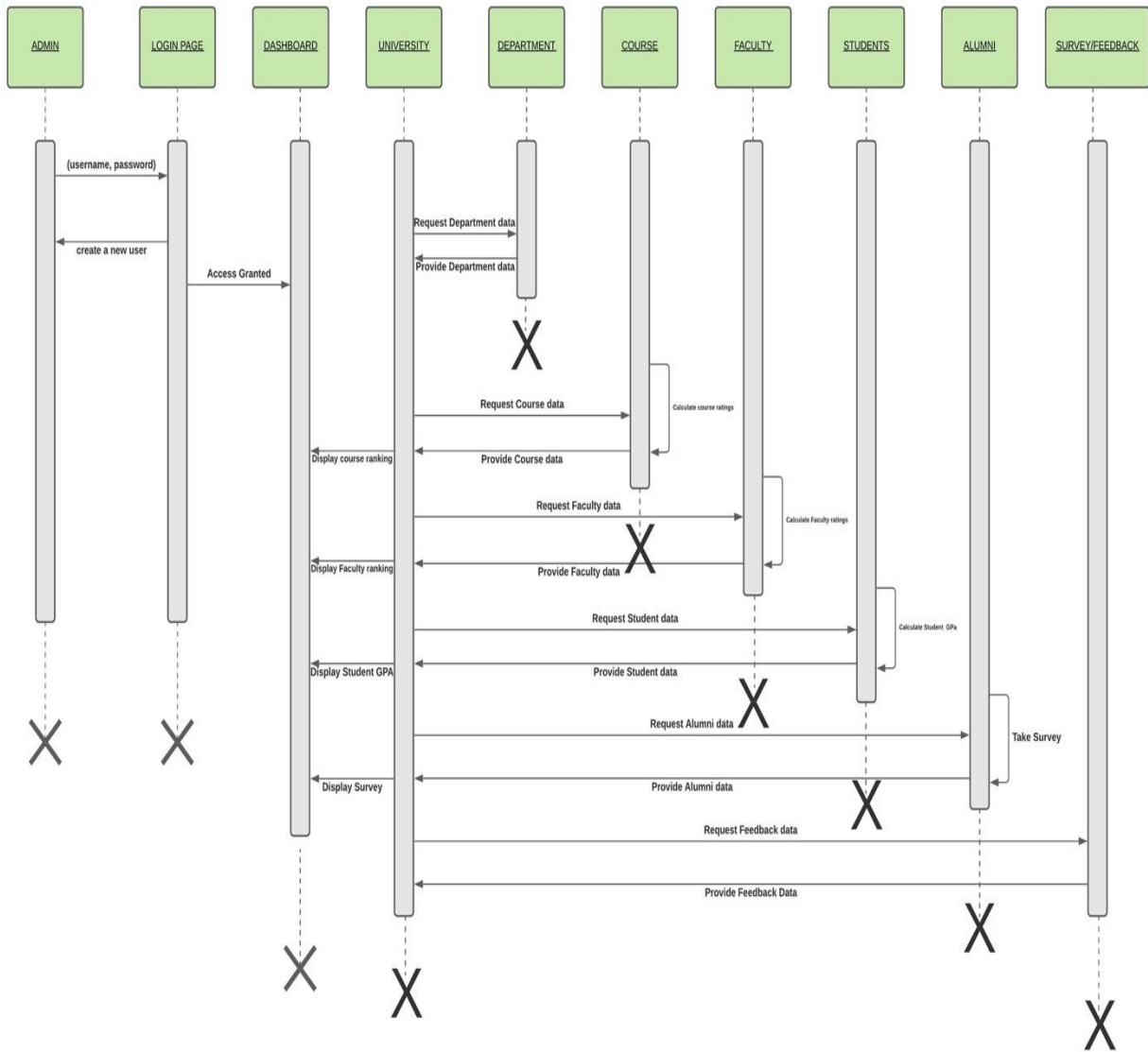
- getFacultyRating: retrieves the rating of a particular faculty

getFacultyRatingByCourseName: : retrieves the rating of a faculty for a particular course

# University Class Diagram

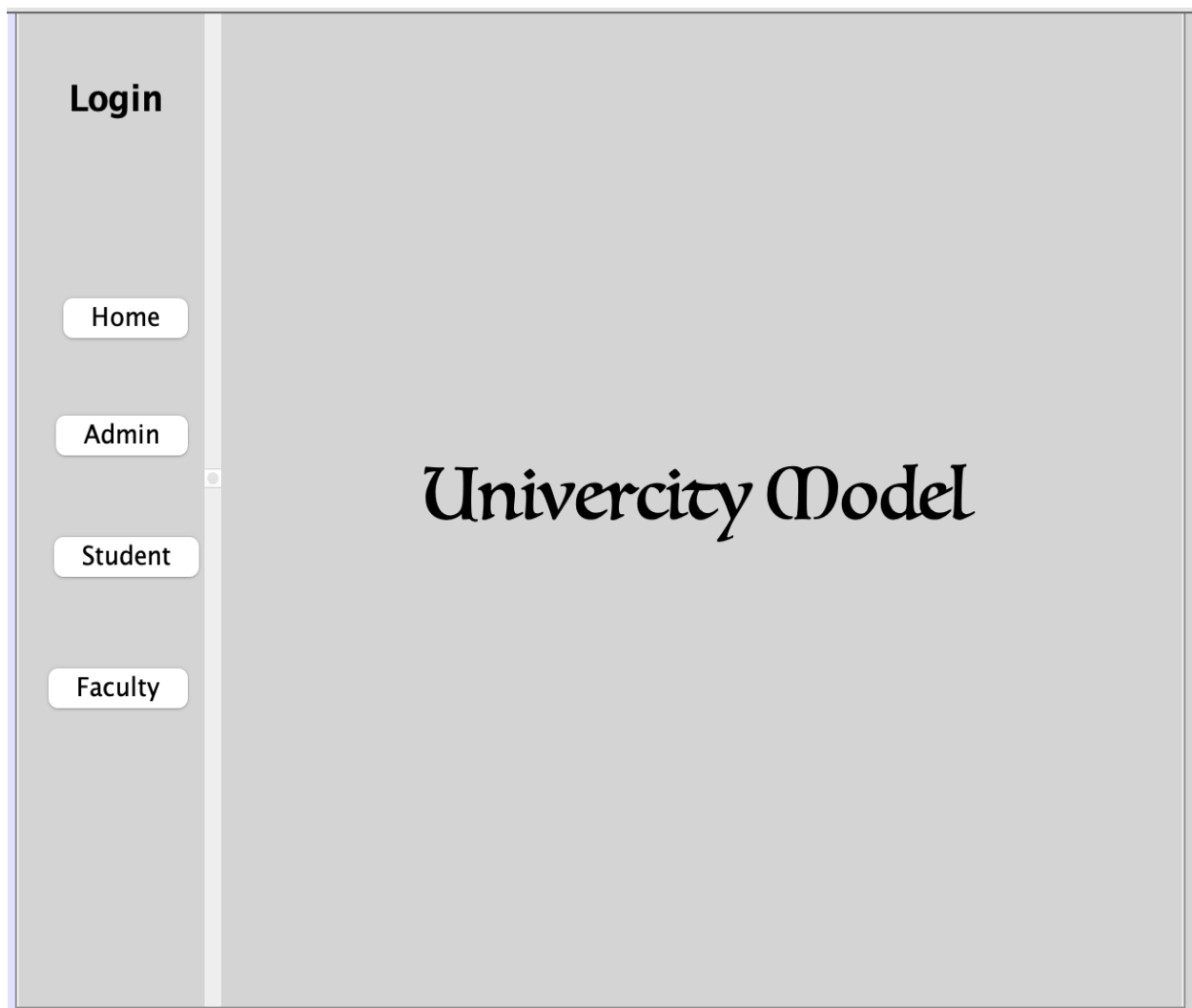


# SEQUENCE DIAGRAM



## User Interface

### Main page



## Login Pages

### Student Login Details

Username :

Password:

[Login](#)

[Forget Password](#)

[Create New User](#)



### Admin Login Details

Username :

Password:

Login

Forget Password

Create New User

### Faculty Login Details

Username :

Password:

Login

Forget Password

Create New User

**New User Login Page**

## Create a New Account

Name :

Email:

Password:

Re-Password:

Choose Department : ☐ COE ☐ COS ☐ CPS

Create new Username :

Select Term :  

Select the courses : ☐ AED ☐ Web Design

☐ OOPs ☐ PSA

☐ DAMG ☐ BA

## Dashboard Page

University Ranking

Course Ranking

Professor Ranking

Student Growth

Course Name:

AED

Ranking:

Professor Name:

Kal Bugarra

Ranking:

Submit

Course Name

Professor

World Ranking

State Ranking

# Feedback Page

### Feedback Form

Student Name:

Kartik

Student Id:

123456

Course Name:

AED

Course Number:

3647

Faculty Name:

Kal Bugarara

1 being the lowest and 5 being the highest

	1	2	3	4	5
Course Structure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Course Knowledge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Course Teaching Technique	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Professor Rating	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Assingments Level	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Quiz Level	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Submit Feedback