# **ASSIGNMENT 3**

### UNIVERSITY MODEL

**Prof: Kal Bugrara** 

**Team Members:** 

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#### **Problem Statement:**

To provide career-oriented students with high-quality education that is tailored to current industry needs and trends by analyzing the impact of the courses on their careers and enhancing real-time with input from the university's alumni, employers & current students.

### **Proposed Solution:**

The department must track a student's progress over time in a corporate environment in order to create a performance assessment solution that analyzes how the students' courses contribute to their professional advancement in the industry. The university will be able to alter their educational courses and deliver the best quality education to students in order for them to flourish in their professional jobs based on the data collected (student's GPA, faculty rating, student rating, promotions, job quality, job weight).

## **University Ranking System**

We have developed a university ranking model which enables us to map University rankings based on our framework using

- 1. CGPA
- 2. Student rating
- 3. Employer rating
- 4. Salary of the job
- 5. No of promotions(since the start of job)
- 6. Quality of the Job

### **Formula**

 $\{cgpa + 2*avg(student\ rating + employer\ rating) + 0.375* [salary\ (promotions + quality)]\} / 6$ 

#### Here,

- 1. CGPA is scaled to 10
- 2. Student rating and employer rating are given for the max score of 10
- 3. Salary is categorised between 10 and 5

a. 
$$x \ge 150k$$
 - score 10

b. 
$$150k > x >= 130k$$
 - score 9

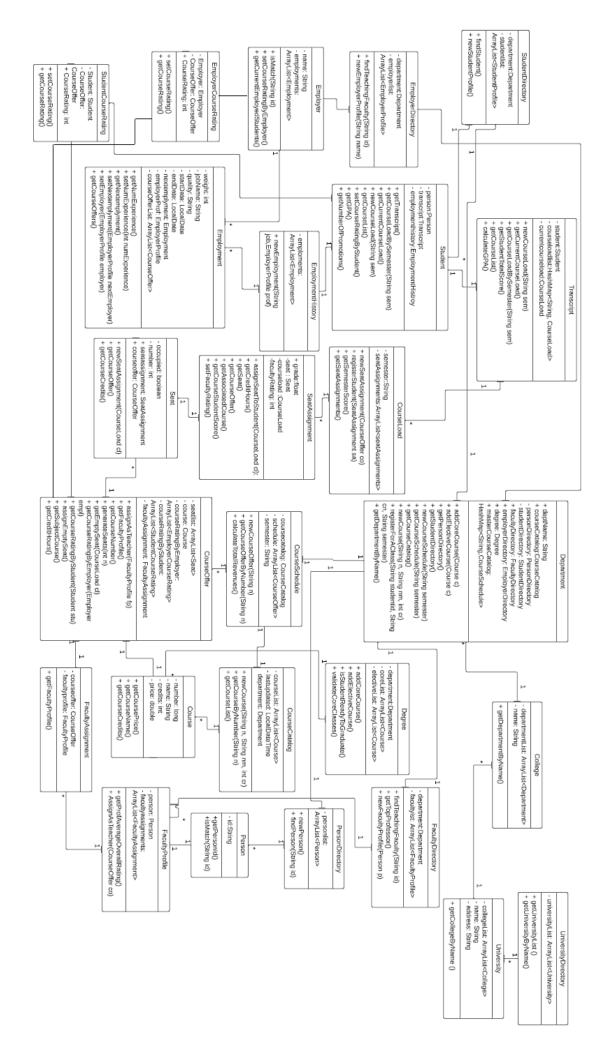
c. 
$$130k > x >= 115k - score 8$$

d. 
$$115k > x >= 100k$$
 - score 7

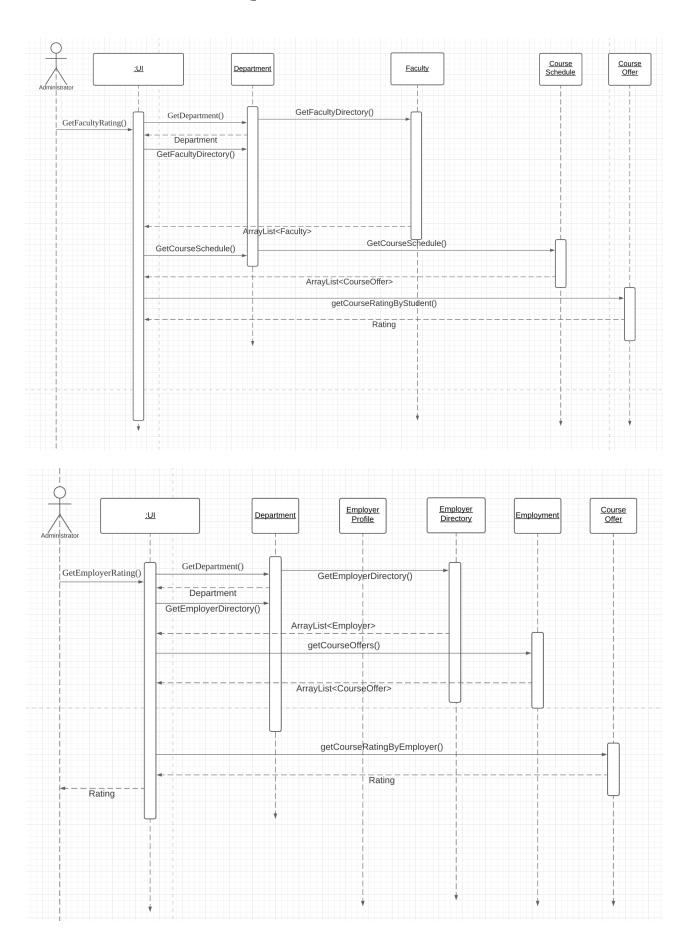
e. 
$$100k > x >= 85k$$
 - score 6

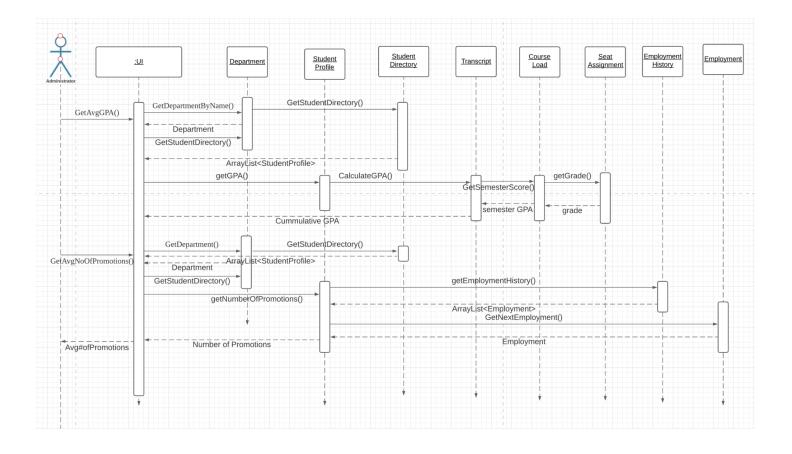
f. 
$$85k > x >= 70k$$
 - score 5

- 4. The max promotions possible in 5 years of experience is 4
- 5. quality of the job is categorised into 4 parts
  - a. Manager and above score 4
  - b. Lead of a team score 3
  - c. Associate level score 2
  - d. Trainee level score 1



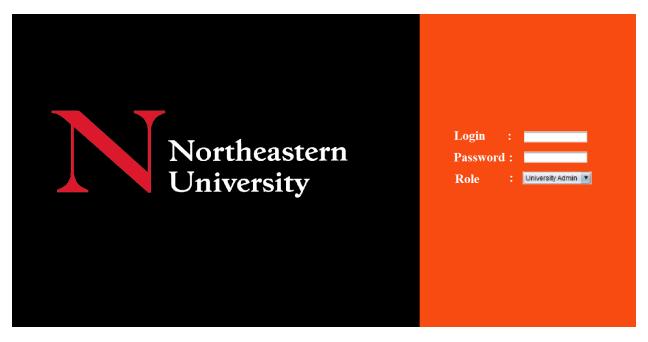
## **SEQUENCE DIAGRAMS:**



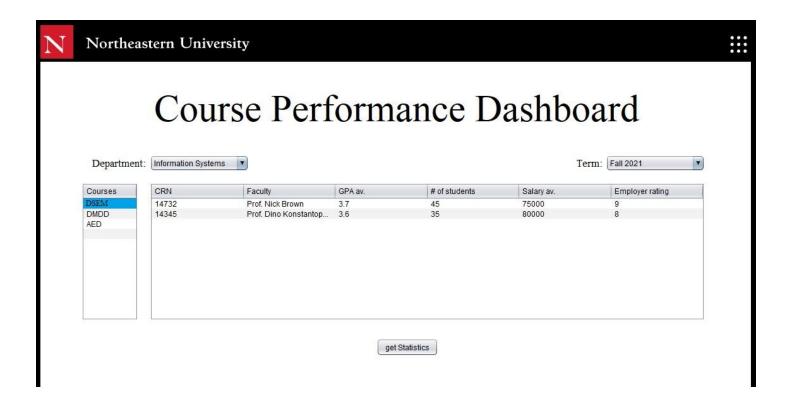


## **UI Screenshots**

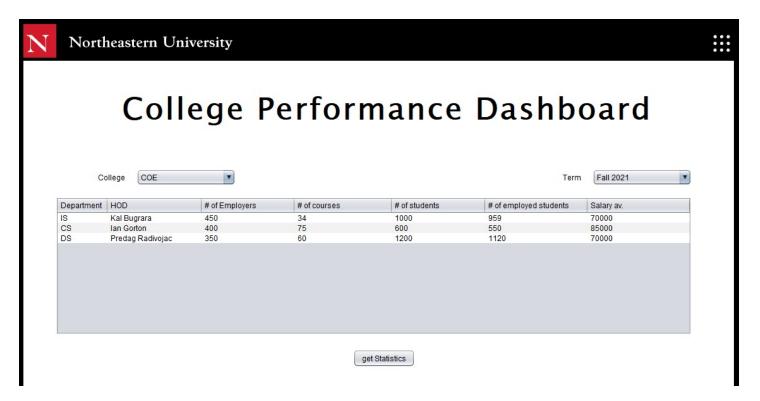
1. Login Screen



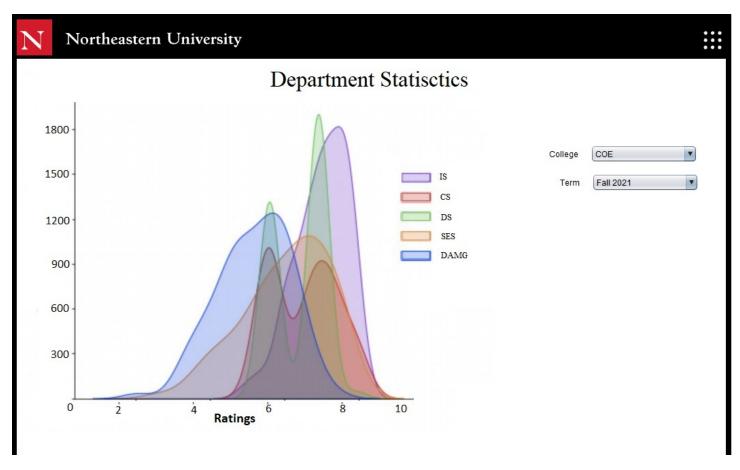
2. Login with University Admin role > Course Performance Dashboard



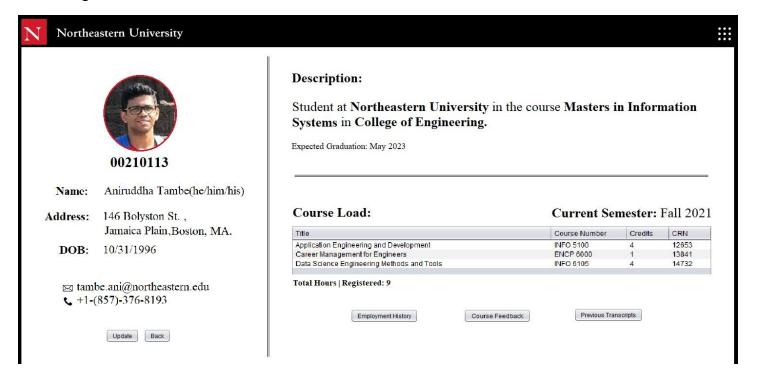
3. Login with University Admin role > College Performance Dashboard



4. After clicking on get Statistics



#### 5. Login with **Student** role



#### 6. Clicking on Course Feedback

