

## **Project Team:**

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# **AED University Model Design Document**

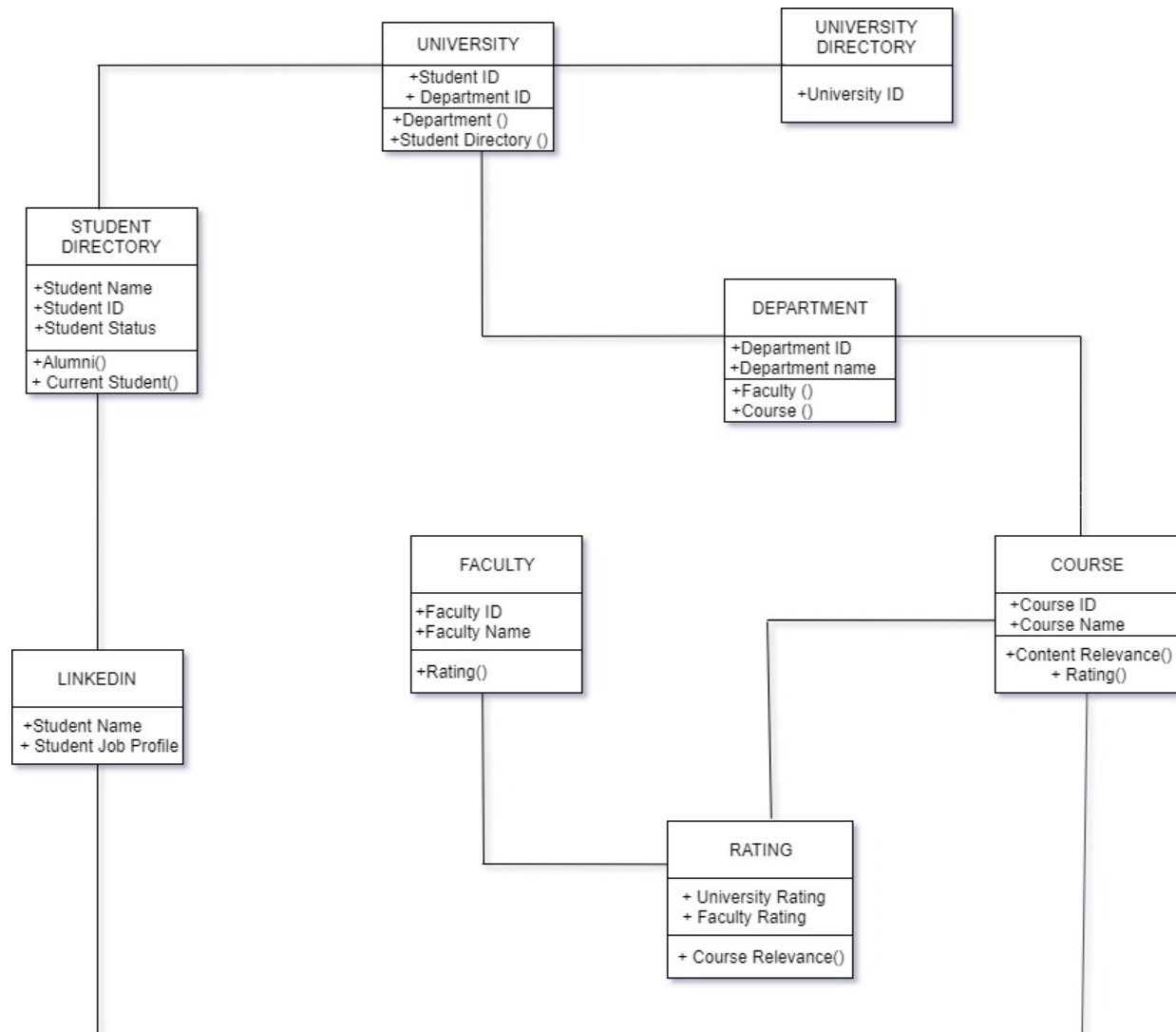
## **Solution**

- The standard of education served at university can be understood by how relevant the course content is with respect to the current industry specifications. Teaching techniques imbibed by the professor plays a major role in understanding how well a student can grasp the concepts to real-world problems and implement them for creating solutions.
- To understand the scenario, we would be gathering information from the current students as well as alumni.
- How aligned the coursework is we are using alumni LinkedIn profiles and we would be collecting data about their job roles and positions. This is one of the ways to ensure the Curriculum offered is inline with the industry requirements.
- With the help of student feedback how efficiently a course is being offered can be monitored.
- If one subject is taught by more than one professor, the grades scored by the current students will play a major role in rating the faculties and the staff.

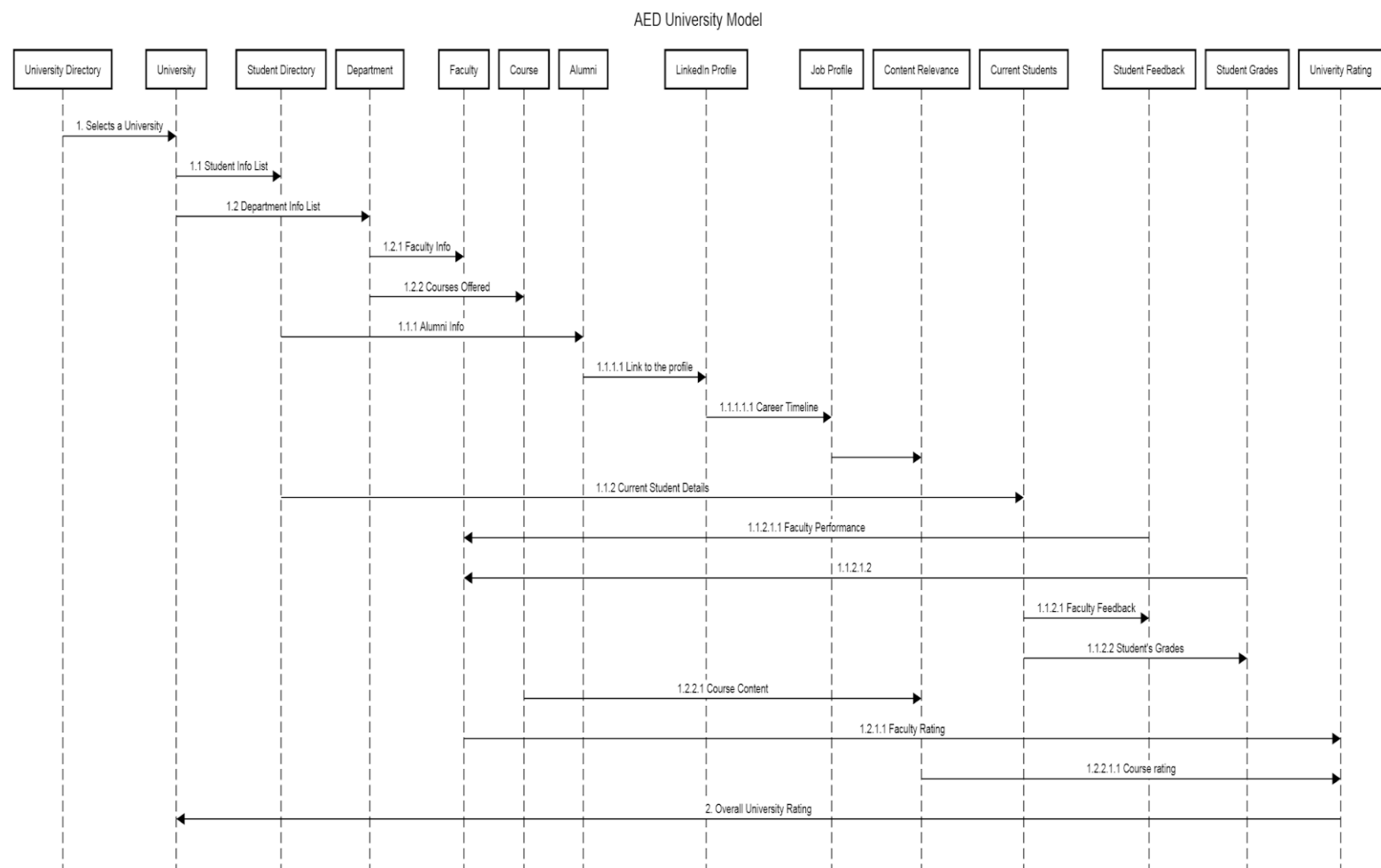
## **Purpose**

The purpose of designing this university model is to demonstrate engineering techniques to portray a standard which will help universities in maintaining and enhancing their quality of education. The objective is to provide a system that will help the universities in assessing themselves.

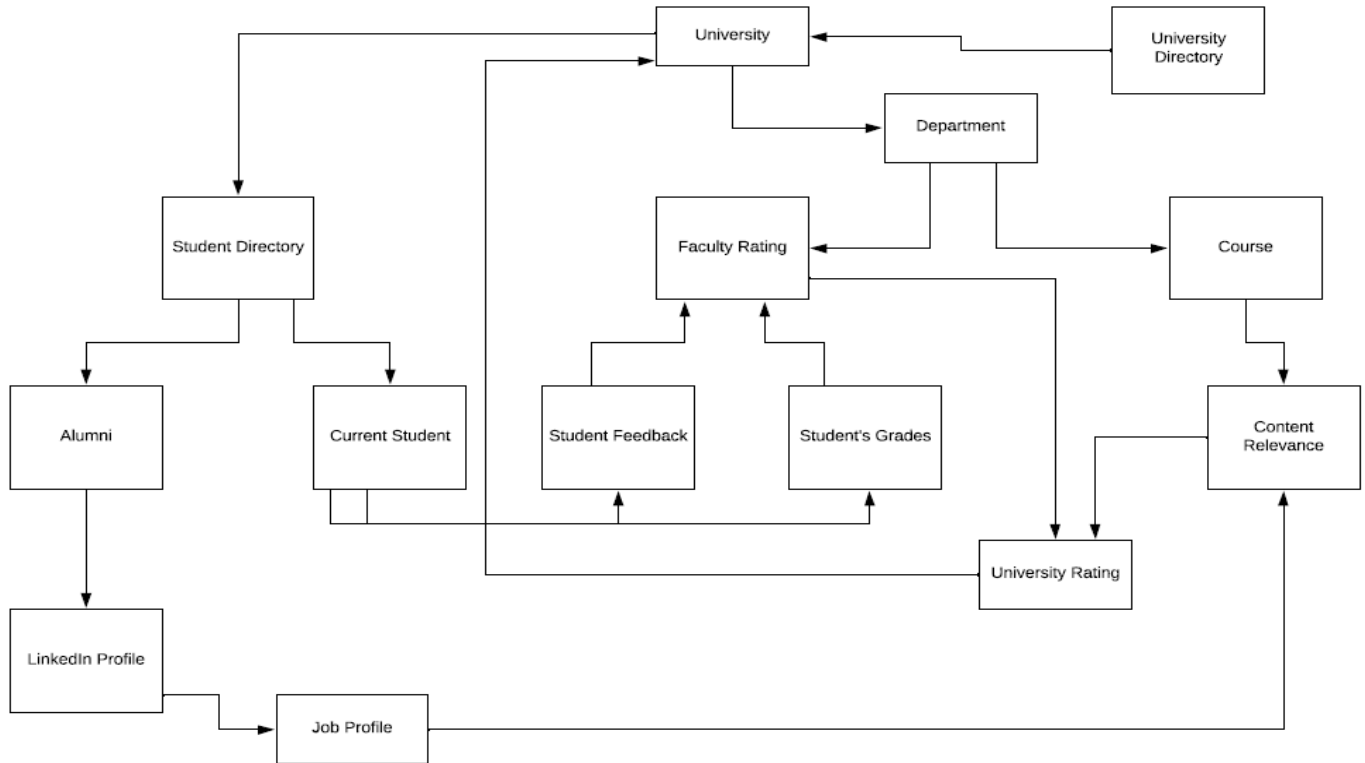
## Class Diagram



Sequence Diagram

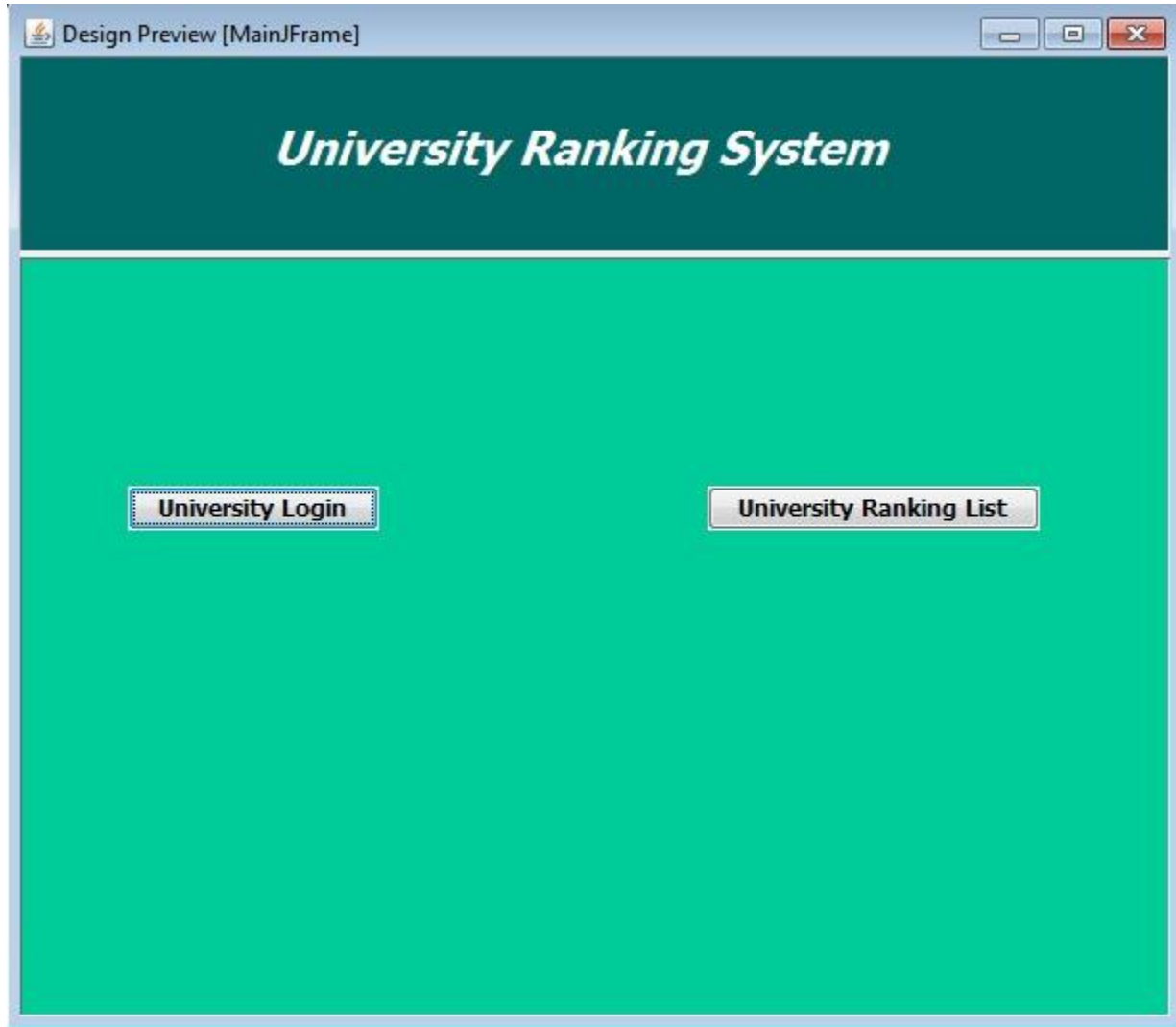


# Object Diagram

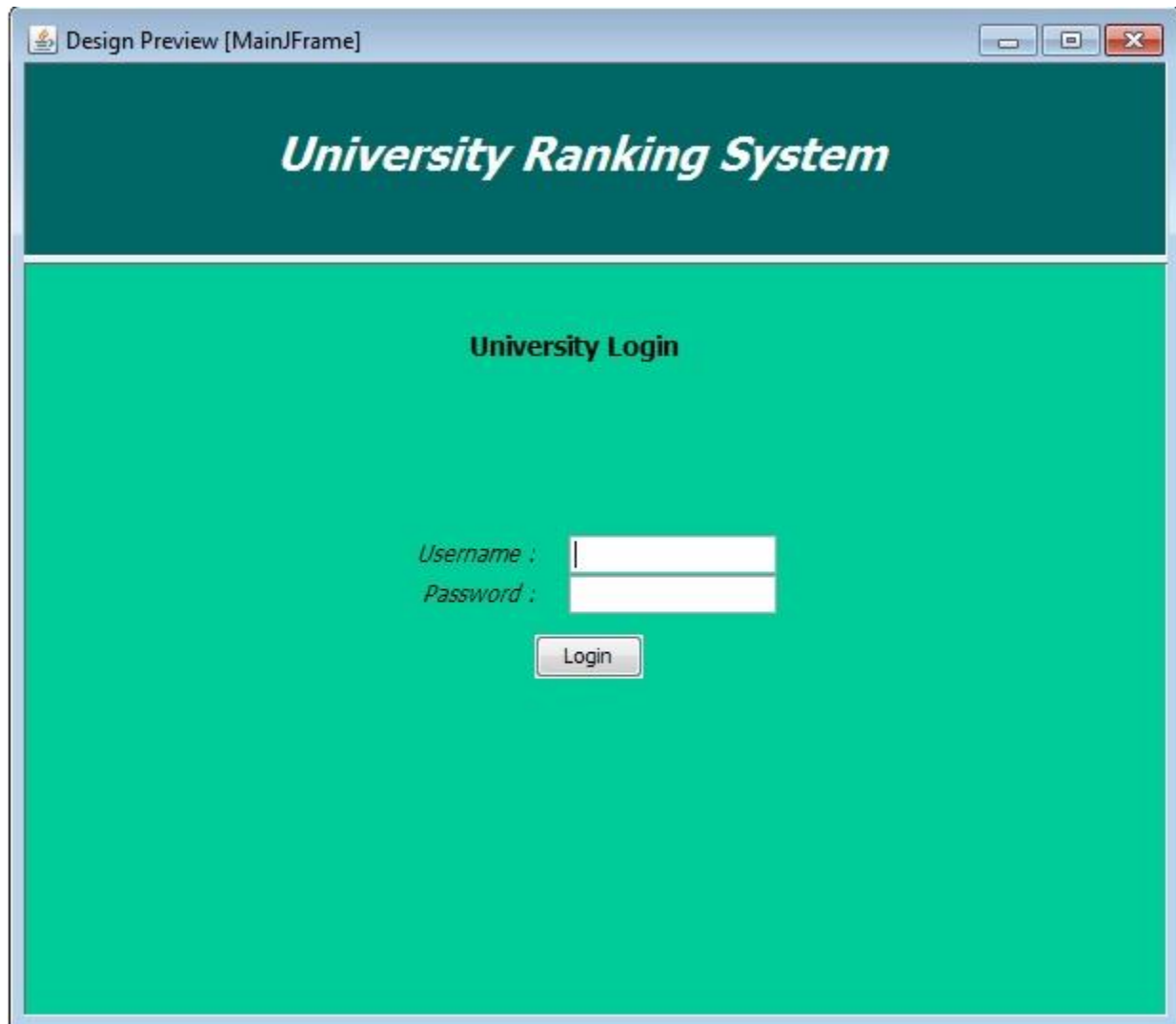


## User Interface

### 1. Main Page



## 2. University Login



The image shows a Java Swing window titled "Design Preview [MainJFrame]". The window has a dark green header bar with the text "University Ranking System" in a white, italicized serif font. Below the header is a light green rectangular area. In the center of this area, the text "University Login" is displayed in a bold, black, sans-serif font. Below this text are two input fields: the first is labeled "Username :" and the second is labeled "Password :". Both labels are in an italicized, black, serif font. Below the input fields is a button labeled "Login" in a black, sans-serif font. The window has standard Windows-style window controls (minimize, maximize, close) in the top right corner.

Design Preview [MainJFrame]

*University Ranking System*

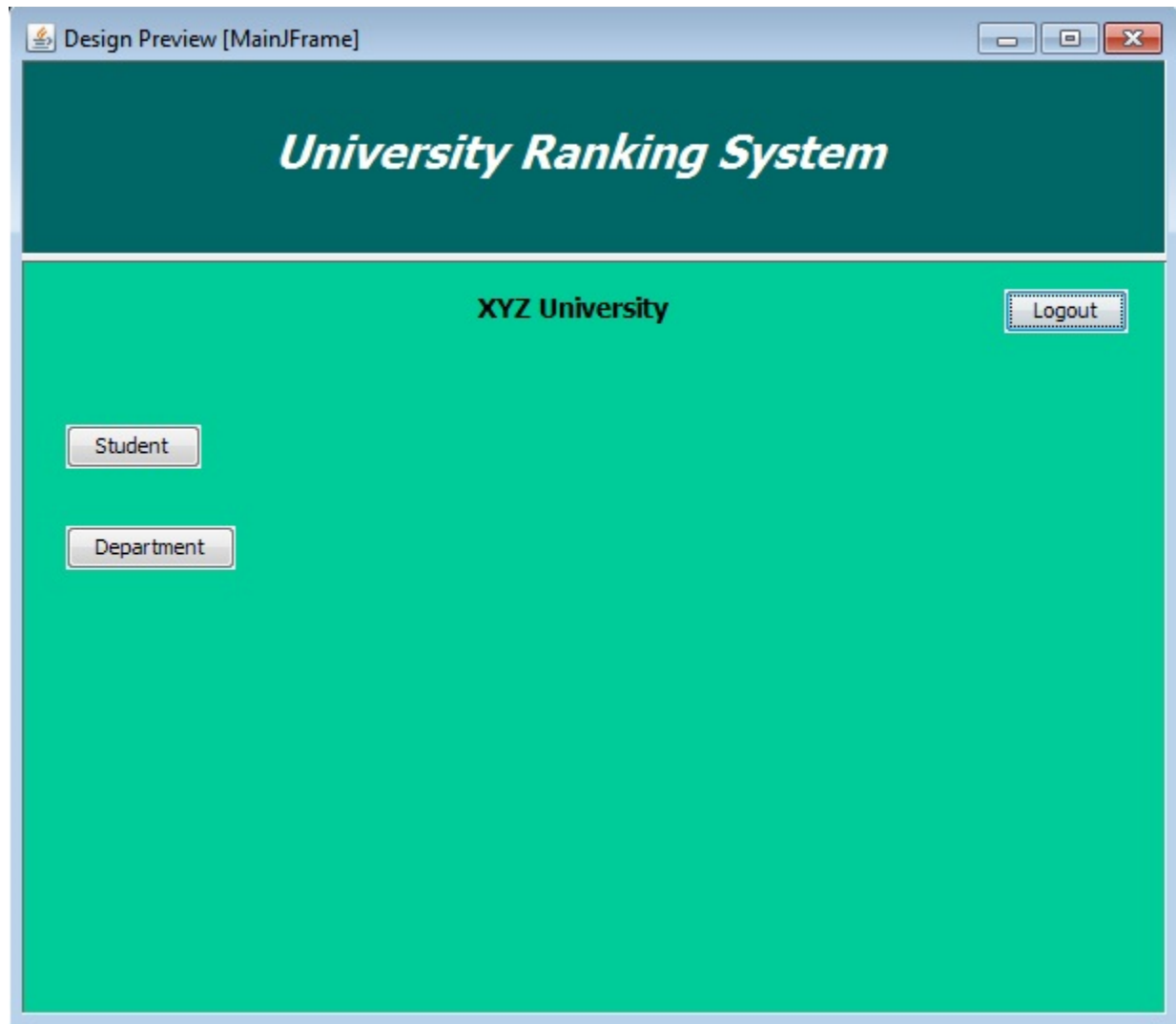
**University Login**

*Username :*

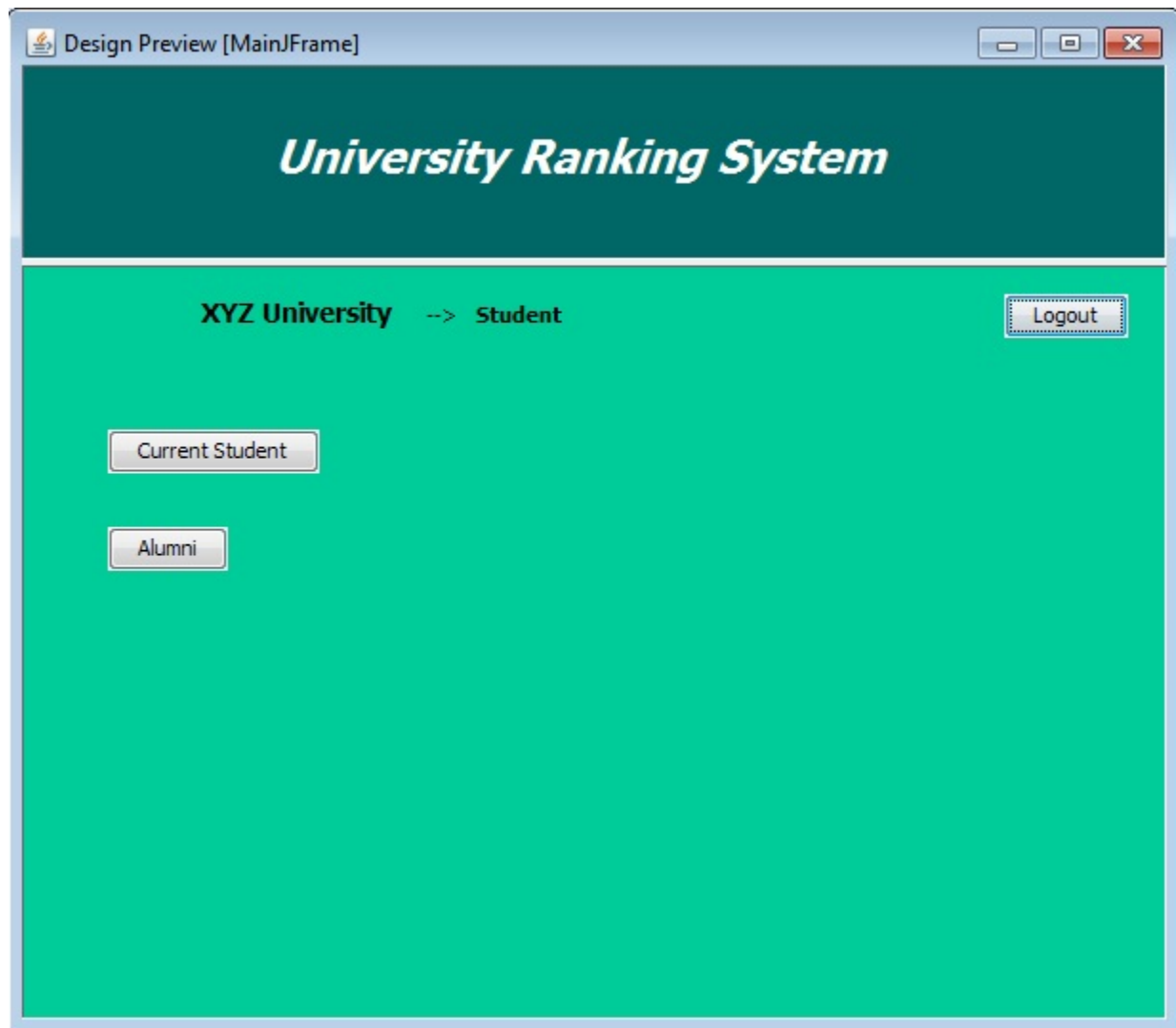
*Password :*

Login

### 3. University Page



#### 4. Student Page





## 5. Current Student Page

Design Preview [MainJFrame]

## University Ranking System

XYZ University --> Student --> Current Student [Logout](#)

| Student ID | Student Name | Course | Faculty | Grades | Feedback |
|------------|--------------|--------|---------|--------|----------|
|            |              |        |         |        |          |

[Update](#) [Save](#)

## 6. Alumni Page

Design Preview [MainJFrame]

## University Ranking System

XYZ University --> Student --> Alumni

Logout

| Student ID | Student Name | LinkedIn URL | Courses |
|------------|--------------|--------------|---------|
|------------|--------------|--------------|---------|

Update Save

## 7. University Ranking List

Design Preview [MainJFrame]

## *University Ranking System*

### University Ranking List

| University ID | University Name | Faculty Rating | Course Rating | Overall Rating | Ranking |
|---------------|-----------------|----------------|---------------|----------------|---------|
|---------------|-----------------|----------------|---------------|----------------|---------|

<< Back

## 8.Department Page

***University Ranking System***

**XYZ UNIVERSITY**

----->

**Department**

Faculty

Logout

Course

## 9.Faculty Page

**University Ranking System**

**XYZ University** ---- > **Department** -----> **Faculty**

Logout

| Faculty ID | Faculty Name | Course | Rating |
|------------|--------------|--------|--------|
|            |              |        |        |
|            |              |        |        |
|            |              |        |        |
|            |              |        |        |

UpdateSave

Back

## 10.Course Page

***University Ranking System***

**XYZ University** ---- > **Department** -----> **Course**

Logout

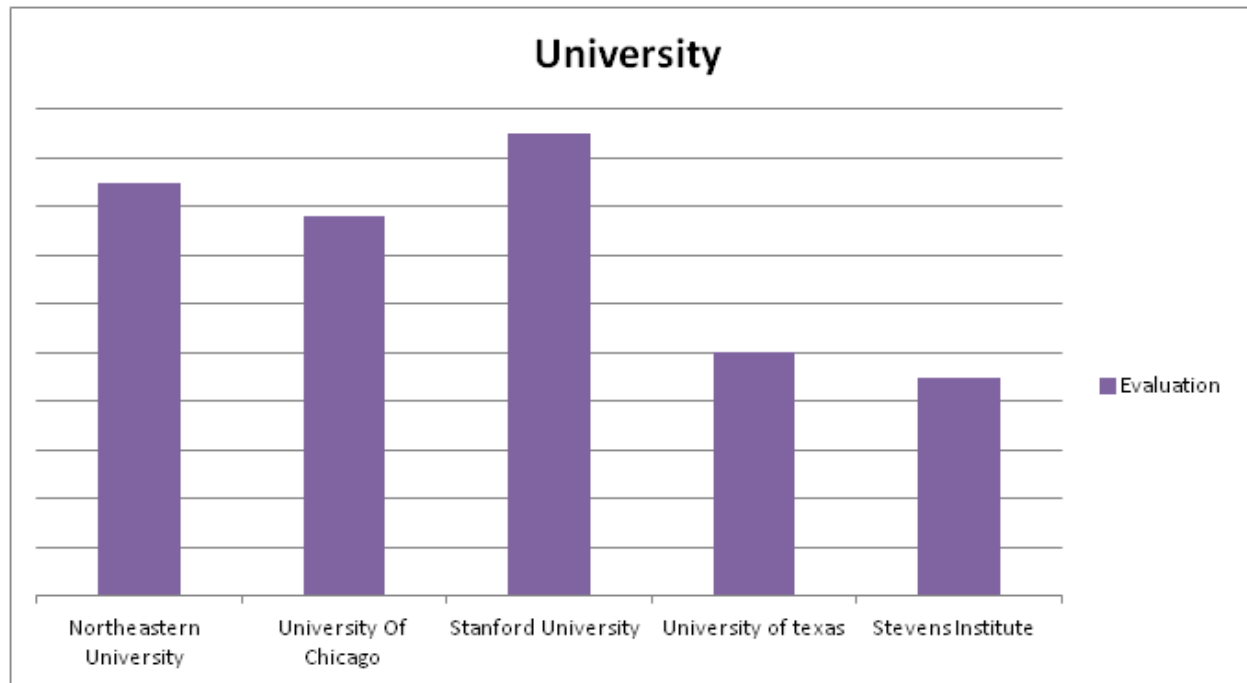
| Course ID | Course Name | Course Faculty | Rating |
|-----------|-------------|----------------|--------|
|           |             |                |        |
|           |             |                |        |
|           |             |                |        |
|           |             |                |        |

UpdateSave

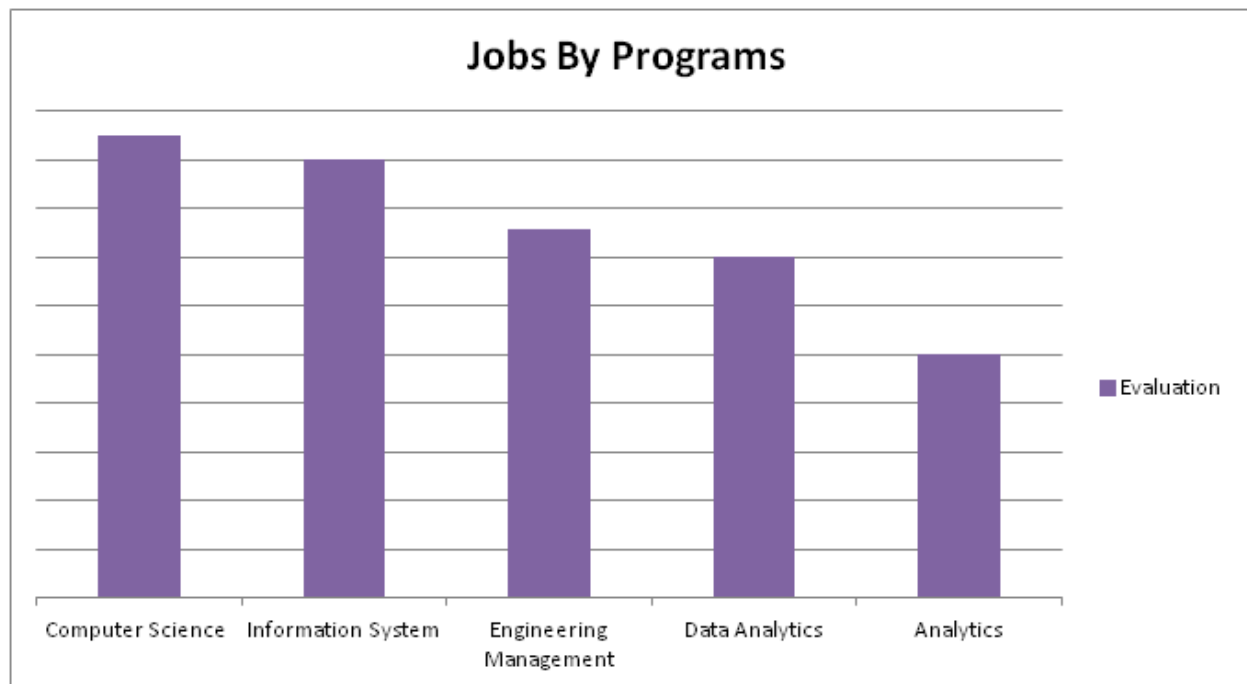
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## Graphical Representation

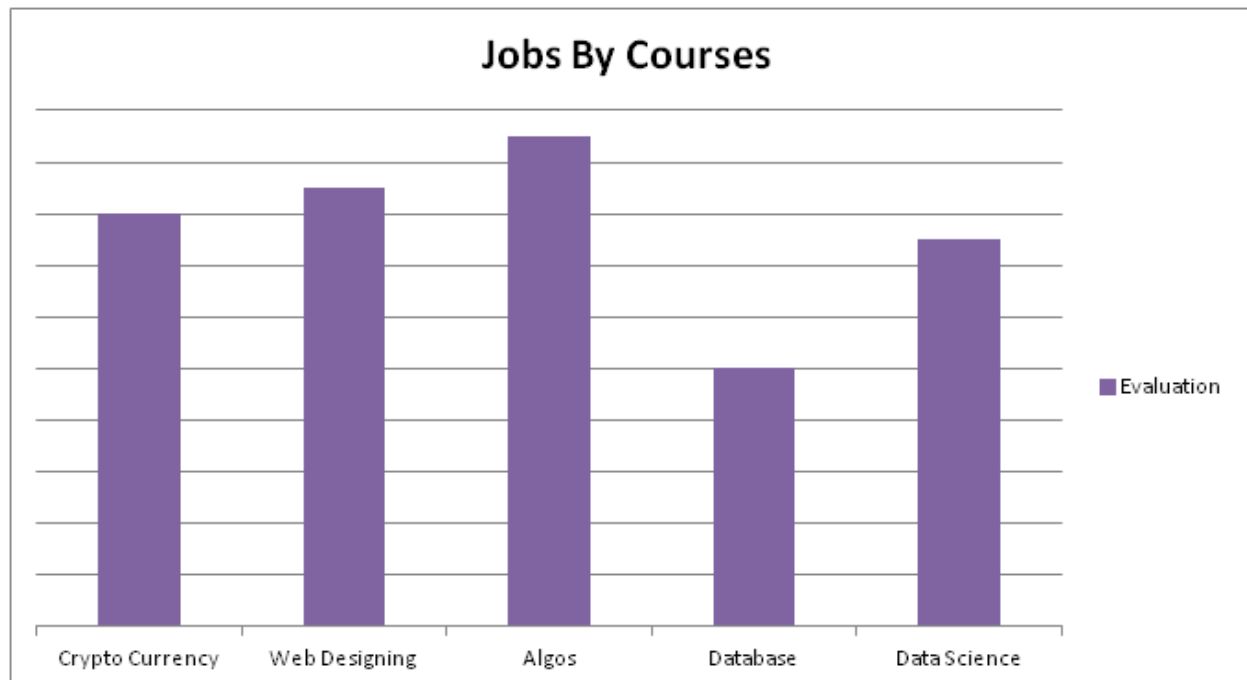
- University Graph



- Jobs By Programs

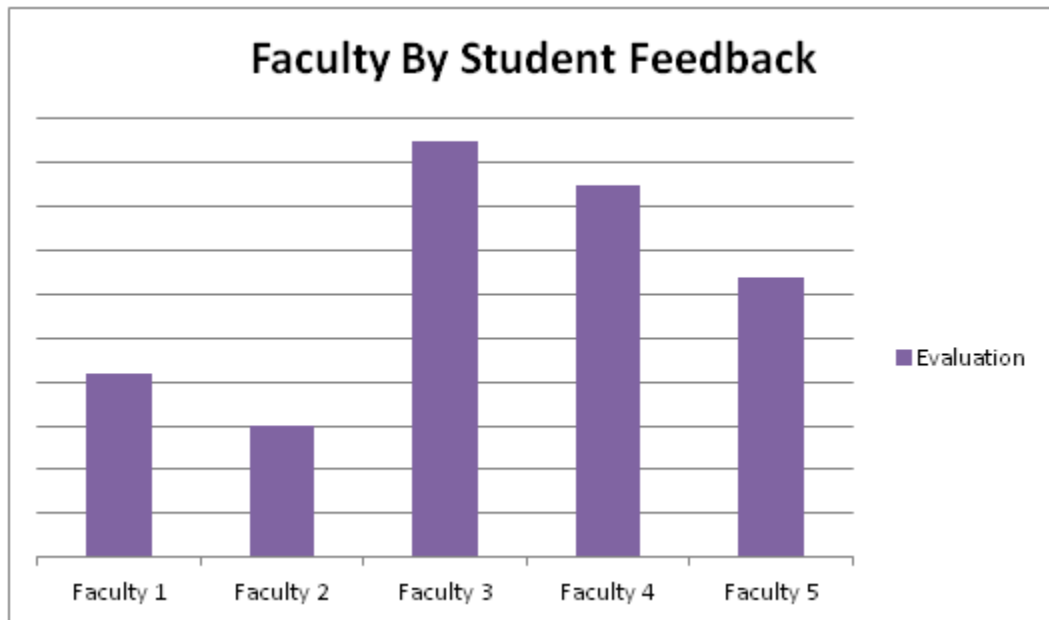


- Jobs By Courses





- Faculty Ranking By Student Feedback



- Faculty Ranking By Student Grades

