

# Education System

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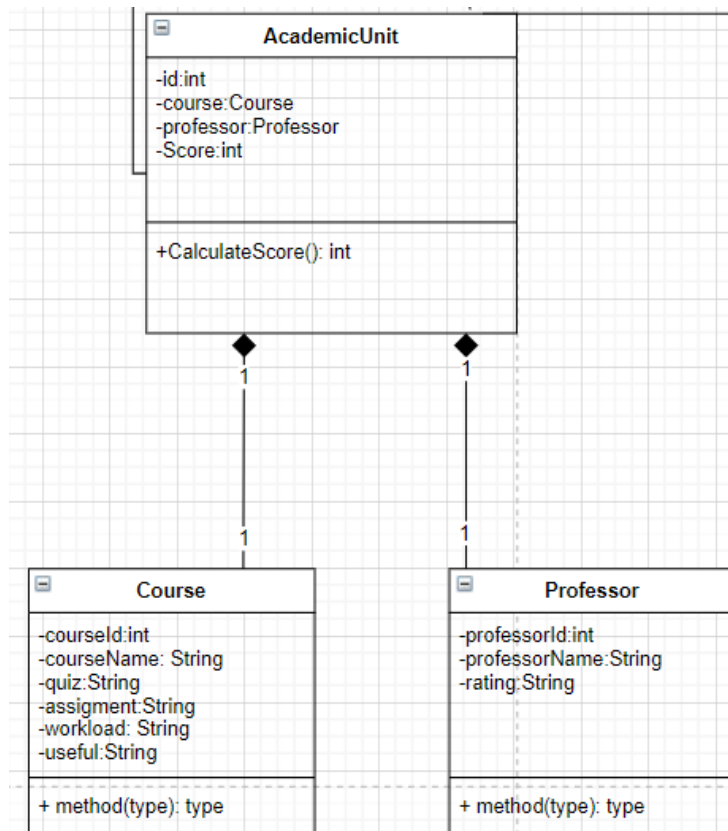
## 1、 Introduction

We create a performance evaluation educational system for the users, including the administrators, current students and graduates. Students can evaluate and grade the courses they finished, including whether the content of the courses are useful, the workload, and the assignment as well as the grade of professors. And the graduates can register their jobs and promotions in five years to the system. The system will link their growth to the courses they have taken and track the correlation between courses and job promotions. And we design a ranking system for the administrators, and so that current students can view it to help them select courses based on the ratings of courses.

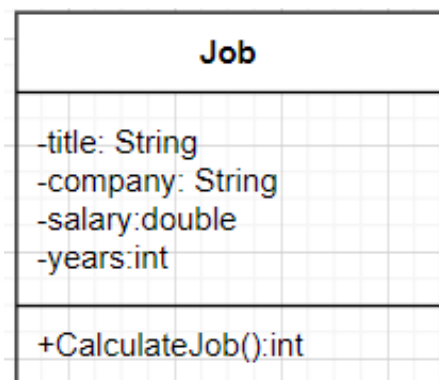
## 2、 Bullet

This educational system is mainly composed of four parts: User, Academic Unit, Job and Rank System.

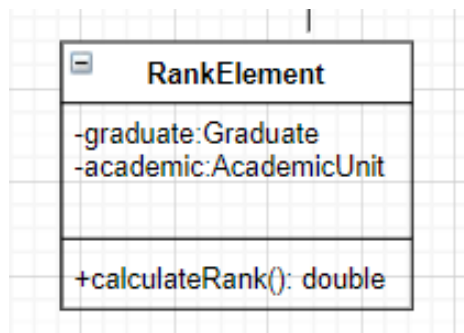
- (1) User part is including administrators, current students and graduates. In the login interface, we distinguish with ID and name, and different types of users enter their corresponding interfaces. The administrators, universities, are responsible for managing the Rank System. After completing a course, current students can evaluate the course and the professor. Also they can enter the Rank System to view the course's ranking. Graduates will keep their information about courses they have taken while in school, but they can only update their jobs and promotions.
- (2) The Academic Unit is the evaluation and grade of the courses and professors by students. Only current students can make the evaluation of courses. The Academic Unit has two classes, course and professor, which can be graded respectively. Then use the method `calculatescore()` to calculate the total score of the course given by the student according to certain algorithms and different weights of each evaluation. The final feedback will be in the Rank system.



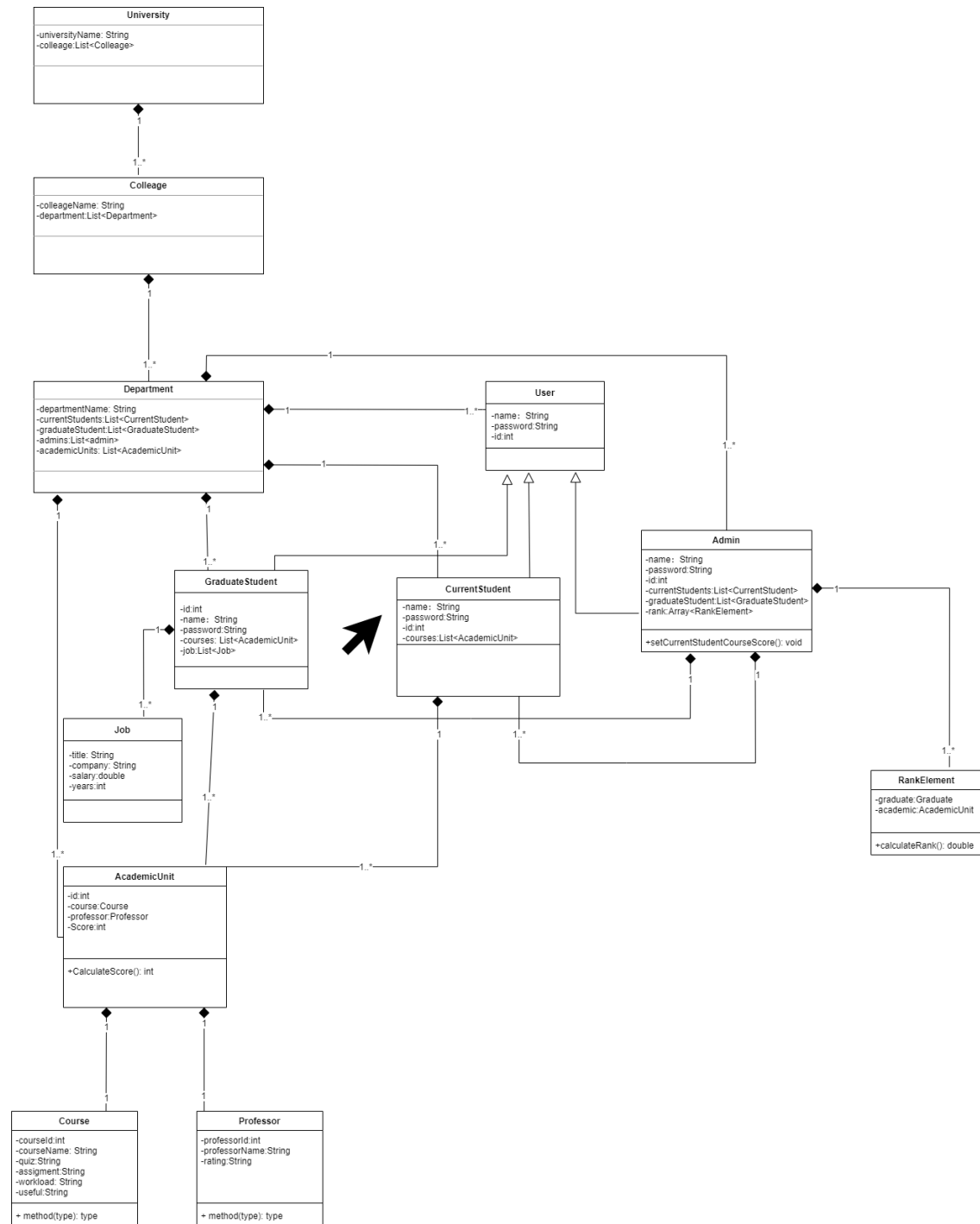
- (3) The job section tracks graduates' jobs and promotions in the period of five years and is filled in by graduates themselves by logging into the system. According to the job information filled, method `calculateJob()` is used to correlate the graduate's job promotion speed and courses taken, etc. The results also affect the ranking of the associated courses on the Rank System.



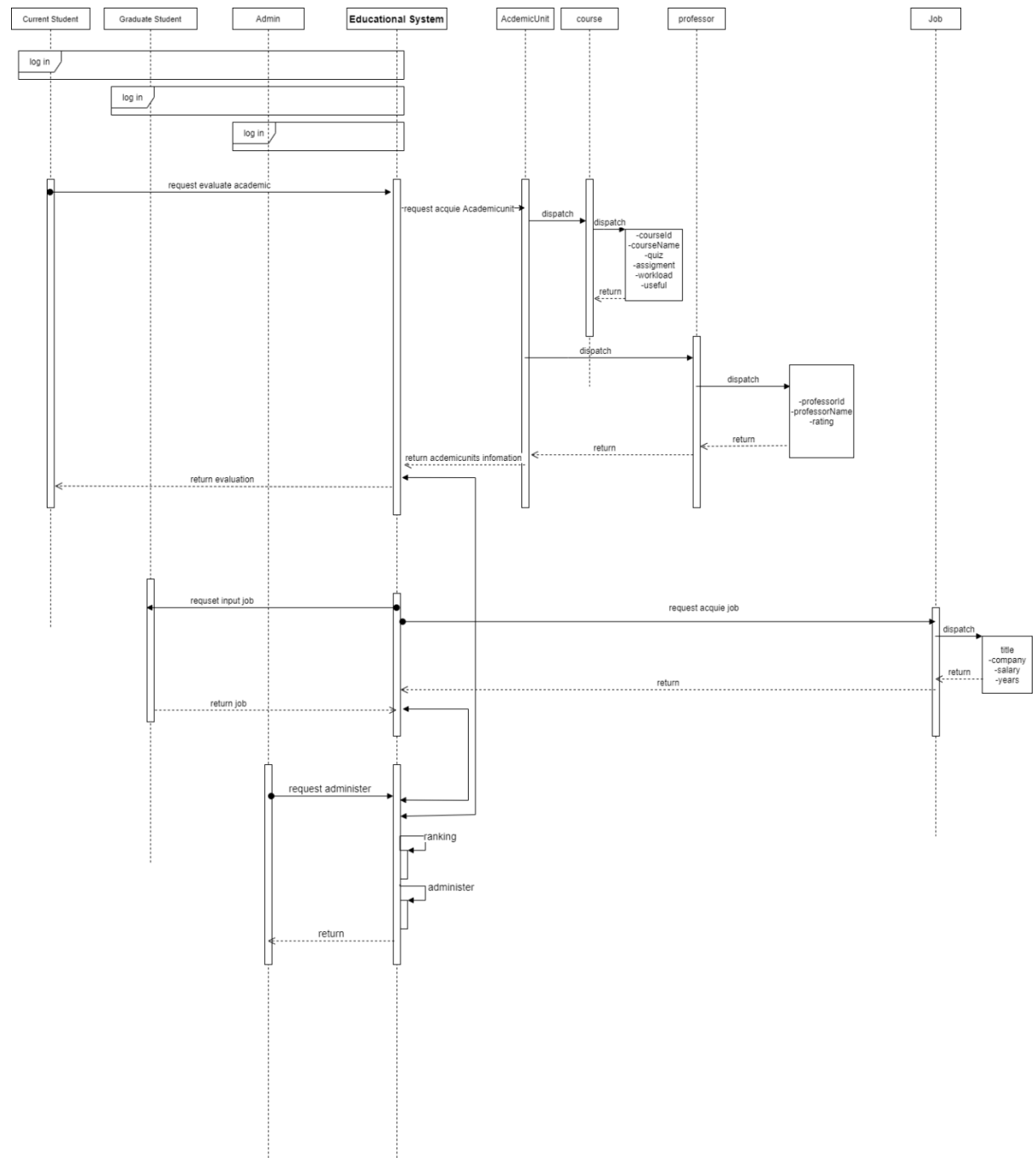
- (4) Rank System is the feedback of evaluation of current students and graduates for faculty and courses. Ranking by the method `calculateRank()`, and the final feedback is on the dashboard of Rank System. Current students can refer to which courses they plan to choose according to the ranking of courses, and administrators can measure the quality of their education.



### 3、UML



## 4、 Sequence Diagram



5、GUI

Login screen:

Welcome to Educational Evaluation System!

Name:

ID:

Password:

☐ Administrator

☐ Student

☐ Graduate

Log in

Job Registration:

<<Back

Name:

ID:

Please fill in your job information:

Record:

Year	Title	Company	Salary

Years after Graduate(1-5):

Job Title:

Company:

Salary:

Previous Course:

Course	Date	Score	Grade

## Course Evaluation:

Course:

Please fill in your evaluation of course 5100:  
  
The degree of difficulty of the Course(1-10):   
The degree of difficulty of the Quiz(1-10):   
The degree of difficulty of the Assignment(1-10):   
The degree of how useful of this course(1-10):   
The grade of Professor of this course(1-10):

## Rank System:

Rank System:  

Rank	Course Name	Professor	Grade

## 6、 Conclusion

We design an educational evaluation system for administrators, current students and graduates. The main aim is to enable administrators to track the link between graduates' job growth and their courses in the period of five years since graduation, and to improve the quality of teaching. At the same time, current students can refer to the course

rankings to determine their course selection direction.

The report shows the UML, sequence diagram and part of UI of the system. It also shows the main methods of realizing the system, the relationship between classes and the way of object transfer.