

# UNIVERSITY PERFORMANCE EVALUATION SYSTEM

INFO 5100: Application Engineering and  
Development – Assignment 3

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# PROPOSED SOLUTION

The aim of this project is to create a performance measurement solution to enable universities to measure the quality of the education they deliver to their students.

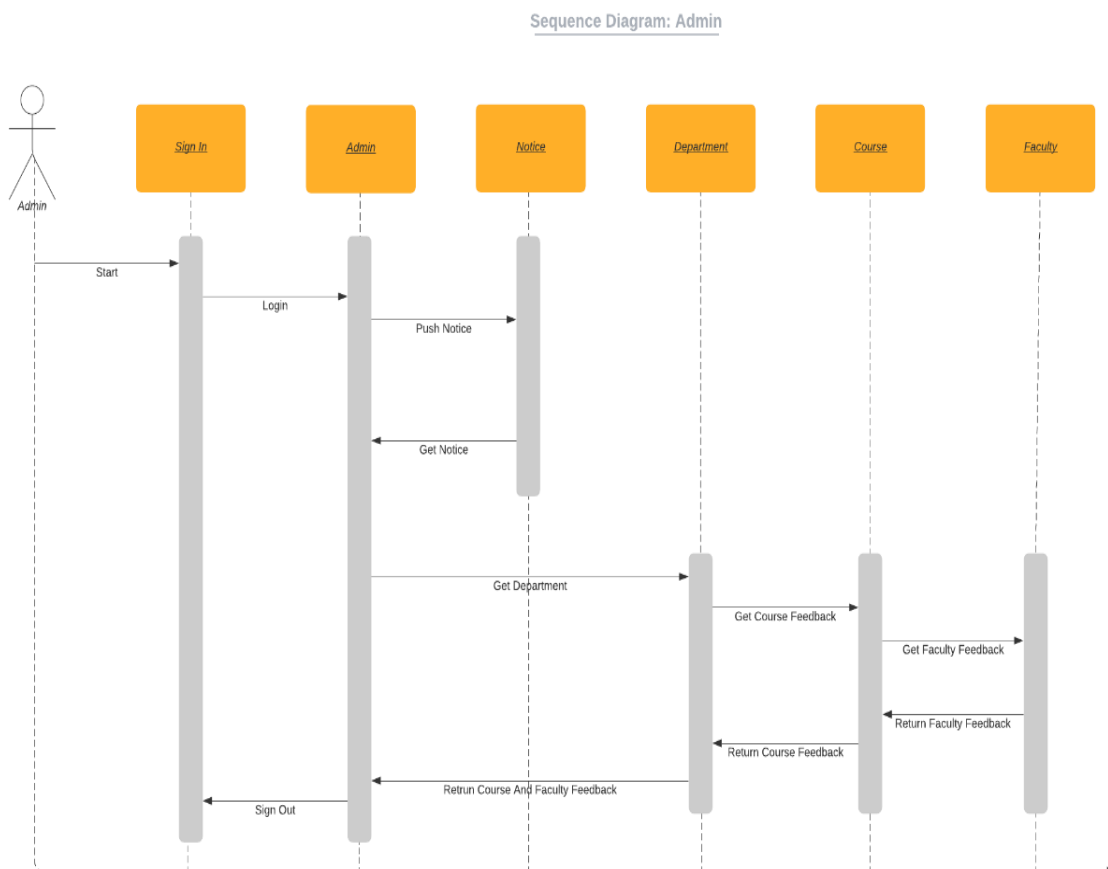
A Feedback Model is built in the suggested endeavour to generate a survey questionnaire for current enrolled students and alumni of the university. The responses are logged and analysed to provide a faculty rating and a course ranking, respectively.

Faculty and courses offered are the backbone of any university, therefore it's critical that they're well-managed and supervised. Ranking of teaching faculty based on feedback from current students and ranking of relevant courses based on employment secured and promotions of alumni students are two variables used to evaluate the performance of the university.

The college management can create a performance analysis dashboard to study the survey findings and make appropriate changes to the courses in order to improve the quality of education and nurture student growth. After that, make the course work relevant to the present employment market.

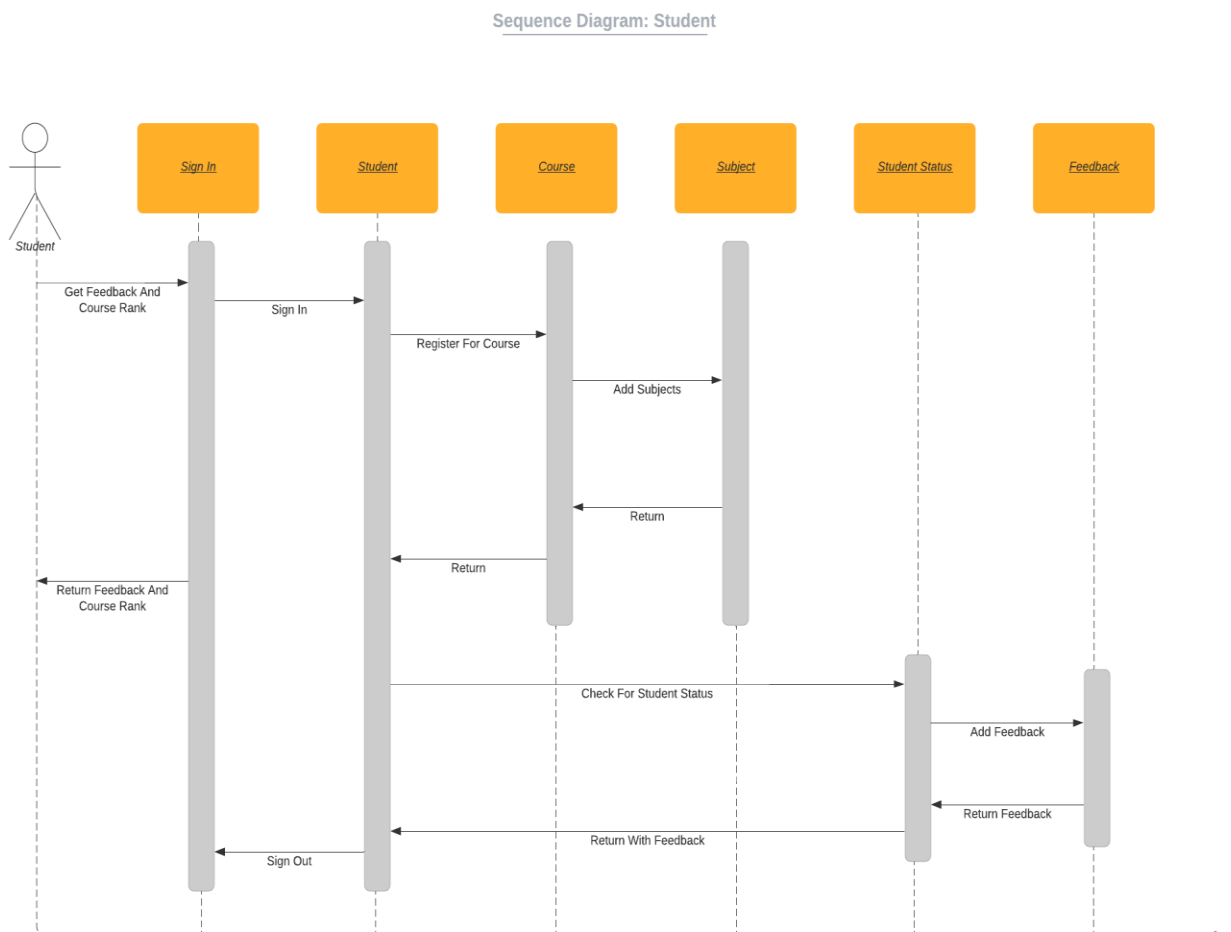
# SEQUENCE DIAGRAM UML – Admin

This UML(Sequence) diagram shows how a user (admin) can retrieve feedback on both the faculty and the course. The alumni feedback, i.e., the courses related to their work, and the faculty rank, which is computed based on the student feedback survey on the courses, can be used to determine a faculty's ranking. This diagram also displays the faculty and course rankings, which are calculated using the average rating of all departments.



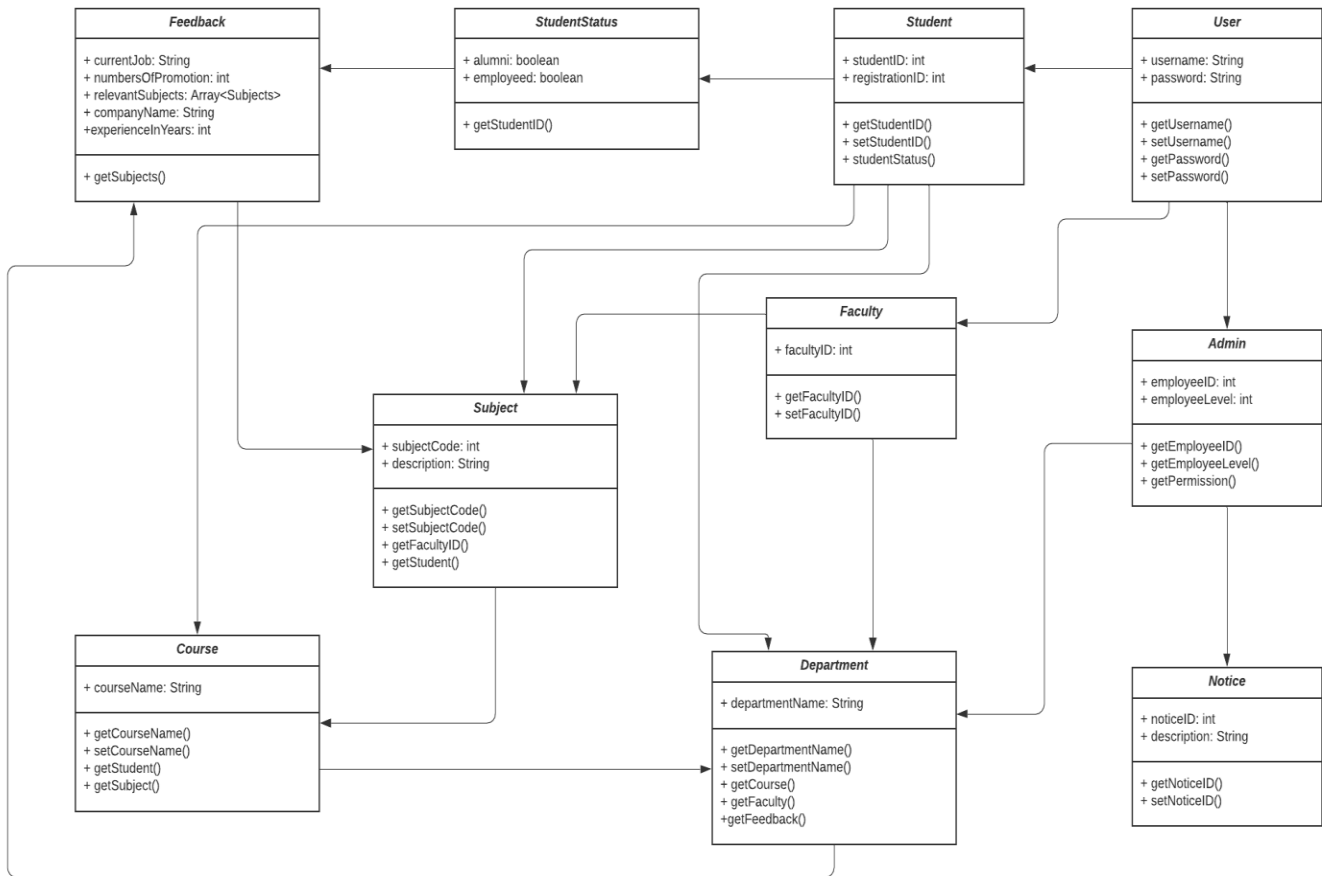
# SEQUENCE DIAGRAM UML – Student

This UML(sequence) diagram represents the flow of data processing to show the user relevant courses that are important for the work, where current students can register for the courses and add subjects as needed. Alumni students are requested to provide feedback on subjects related to their present career in the survey, and current students are also requested to provide feedback for their course and faculty. Based on the survey findings, the input assists in defining the ranking of courses, and helps in faculty ratings.



# CLASS DIAGRAM UML

UML Class Diagram



## CONCLUSION

In the designed performance assessment evaluation system, it will allow universities to assess the quality of education they provide to their students. The approach considers alumni comments on relevant courses and assigns a ranking to those that have benefited them in terms of jobs, promotions, and salary increases. The method also calculates a faculty's rank based on a survey completed by current students. These rankings would therefore assist an individual in determining the ranking of any department or institution, serving as a reference for future students looking to enrol in a college, department, or course. Furthermore, the scope of this project can be broadened by including recruiter comments, which would assist the administrator in ranking a university based on the performance of students in the firm.