OOAD - MINI CASE STUDY

CAMPUS RECRUITMENT SYSTEM : *SEQUENCE DIAGRAM's*

- Aakash.k- 2018103502
- Adithya.M- 2018103505

SEQUENCE DIAGRAMS:

Sequence Diagrams are interaction diagrams that detail how operations are carried out. They capture the interaction between objects in the context of a collaboration. Sequence Diagrams are time focus and they show the order of the interaction visually by using the vertical axis of the diagram to represent time what messages are sent and when.

Purpose of Sequence Diagrams :

- Model high-level interaction between active objects in a system
- Model the interaction between object instances within a collaboration that realizes a use case
- Model the interaction between objects within a collaboration that realizes an operation
- Either model generic interactions (showing all possible paths through the interaction) or specific instances of a interaction (showing just one path through the interaction)

SOME IDENTIFIED SCENARIO's and Their System Sequence Diagram's:

-
- INTERACTION's : Profile management
  Search for Jobs
  Apply for Jobs
  Placement Process

NOTE :

- All classes have been used in the following four system sequence diagrams.
- Notes have been included for further clear clarity on messages
- All have been drawn using Star Uml tool.

SEQUENCE DIAGRAM FOR PROFILE MANAGMENT :

Actors involved :

Student, Admin and Company.

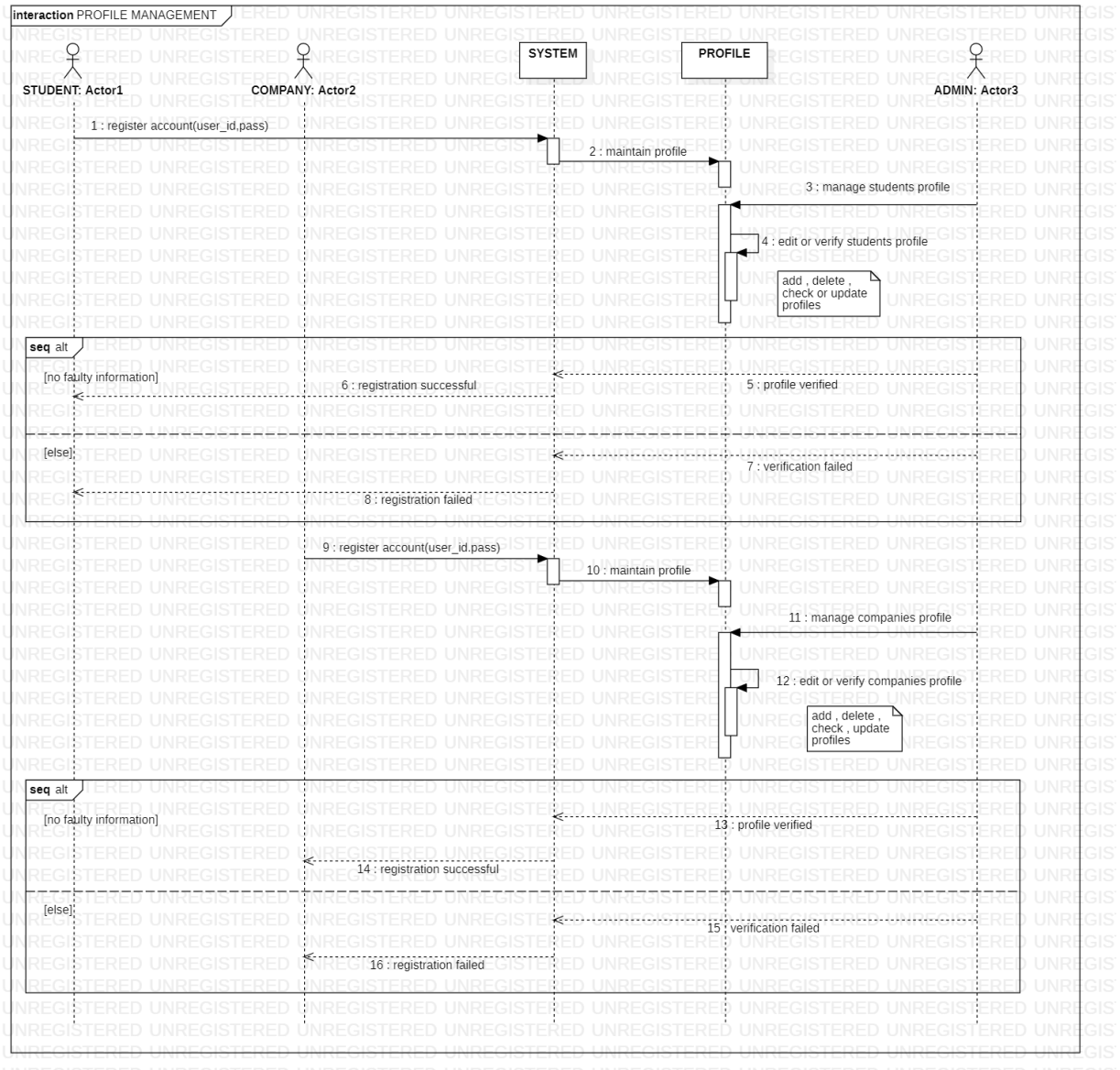
Classes involved :

System , Profile.

- Two alternate flow's have been included
  - To notify whether profile registration is complete or not for the student.
  - To notify whether profile registration is complete or not for the student

Description :

The Profile management scenario will be common for the student and the company where both register their accounts in the campus recruitment system , and the accounts are also verified by the Admin for any faulty information. The system notifies to the student and the company on their registration status.



SEQUENCE DIAGRAM TO SEARCH JOBS :

Actors involved :

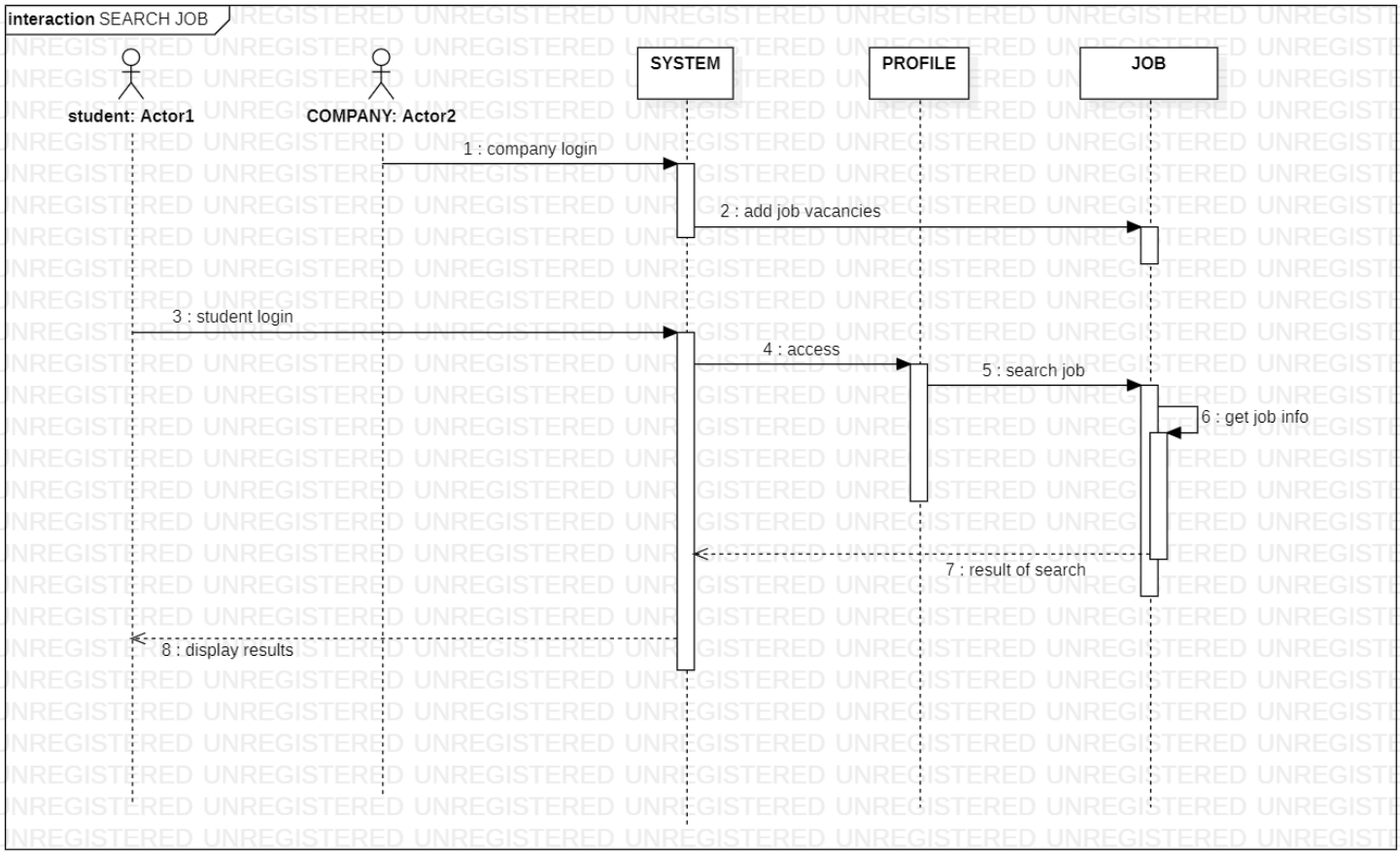
Student , Company.

Classes involved:

System , Profile, Job.

Description :

The student can search for jobs by maintaining a profile in the recruitment system after logging in . Likewise , a company can post job vacancies in the Campus recruitment system.



SEQUENCE DIAGRAM TO APPLY FOR JOBS :

Actors involved :

Student , Admin , Company.

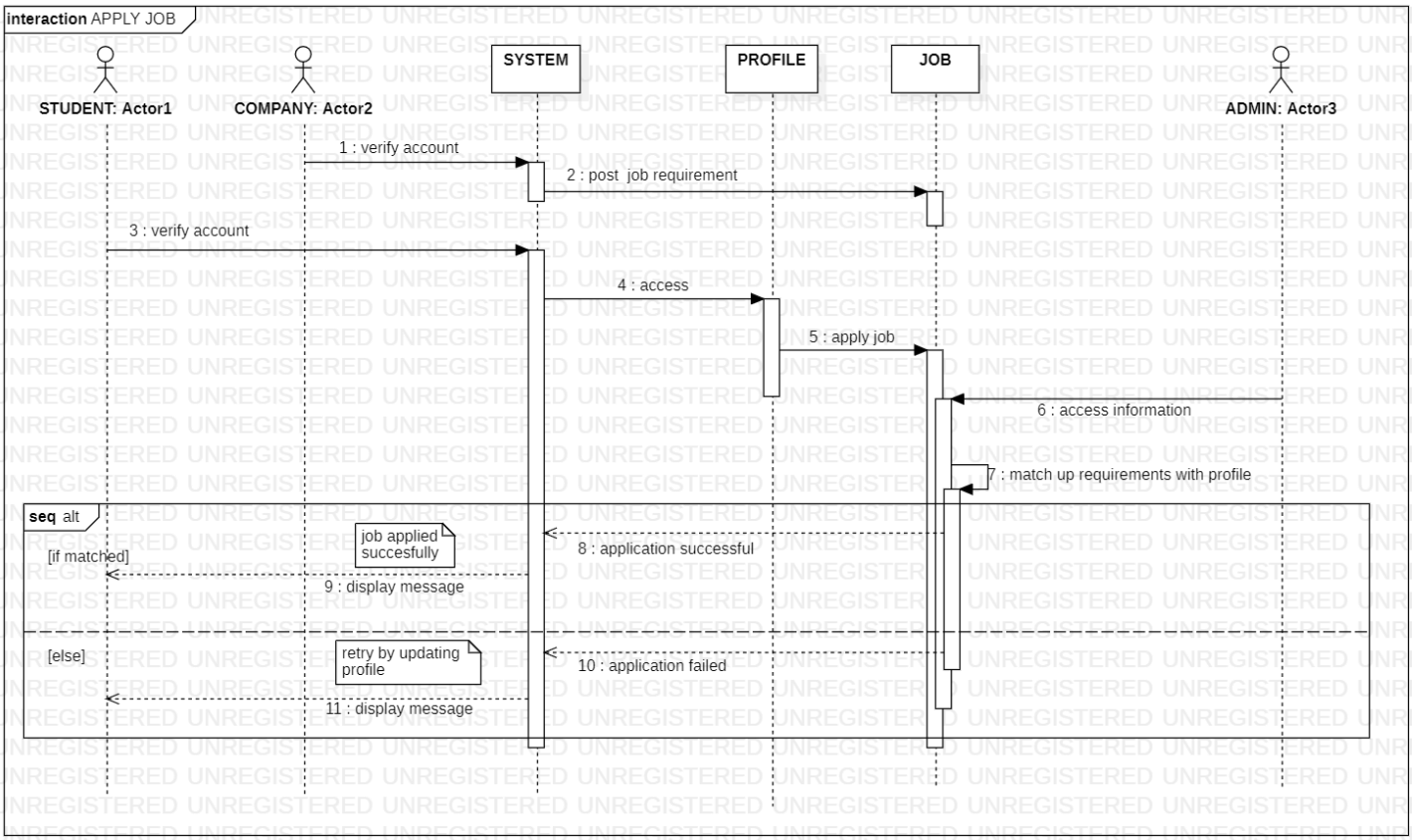
Description :

The student can apply for a Job using their profile , after verifying their account in the system .
The company also does post its job requirements needed for placement.The role of the Admin in this scenario is to match up requirements with the profile's maintained by students.

- A alternate flow has been used if a student's profile has not met requirements posted by company, the student can retry after updating their profile

Classes involved :

Profile , Job , System.



SEQUENCE DIAGRAM FOR PLACEMENT PROCESS :

Actors involved :

Student , Company.

Description : This scenario is based on the placement process where, Student's whose profiles are verified by the admin undergo a test and a interview and their performance's is analysed and updated in their profiles . Finally , the actor generates the complete report of the placement process.

- For the test, a loop has been used (to question and to answer)
- A alternate case has been used to decide whether a student is selected or rejected.

Classes involved :

System , Profile , Test , Interview , Result