OOAD - MINI CASE STUDY

CAMPUS RECRUITMENT SYSTEM : *SEQUENCE DIAGRAM*

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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 :   Login
                    Search Jobs
                    Apply for Jobs
                    Student and Company Management
                    Placement Process.

SEQUENCE DIAGRAM FOR LOGIN :

Actors involved :

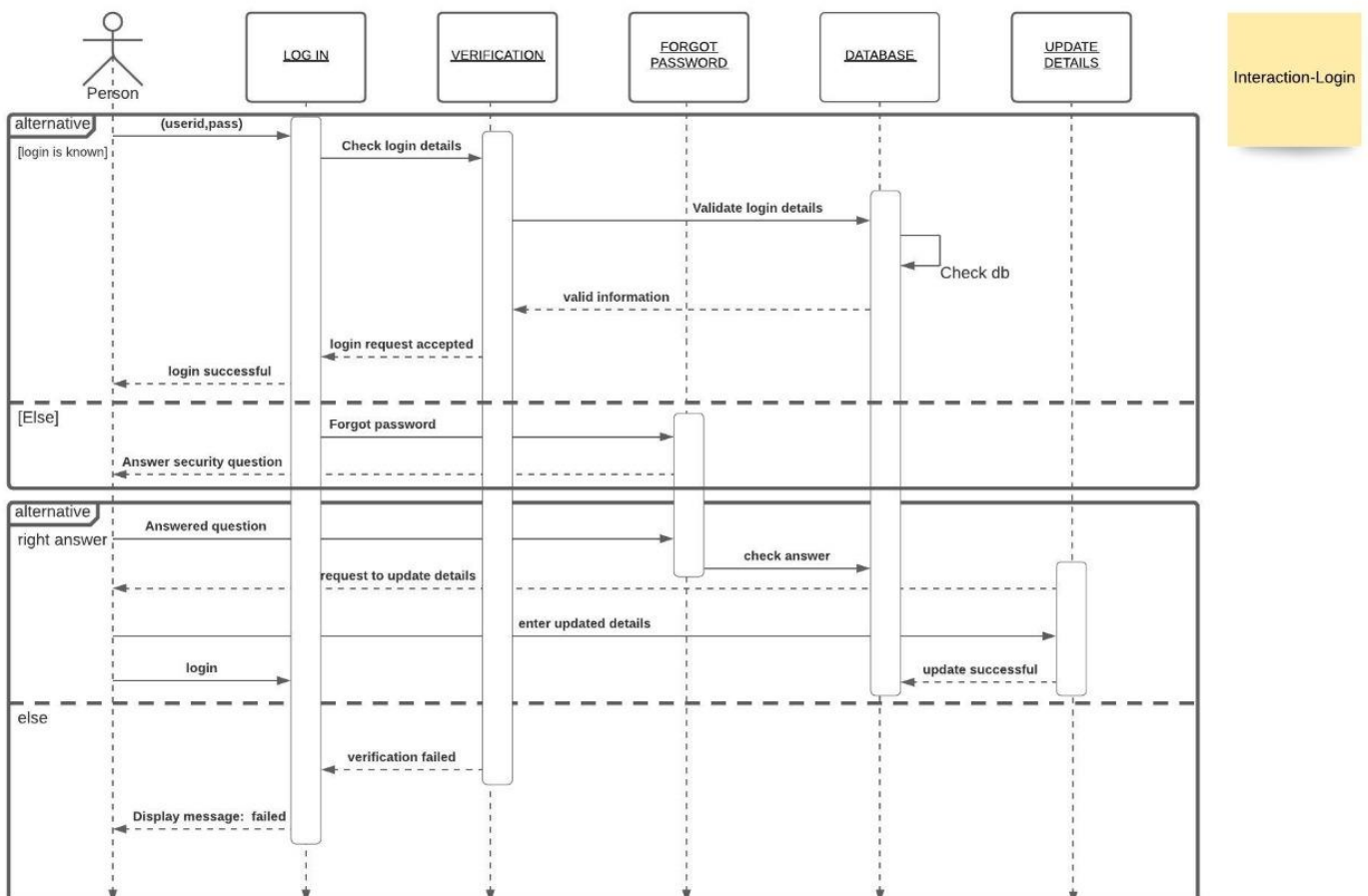Person (common for student,admin and company)

Classes involved:

Log in, Verification, Forgot Password, Database and Update details

- Two alternate flow's have been included
  - One for Forgotten Password.
  - Answering Security Question.

Description :

The login scenario will be common for all actors in the recruitment system

SEQUENCE DIAGRAM TO SEARCH JOBS :

Actors involved :
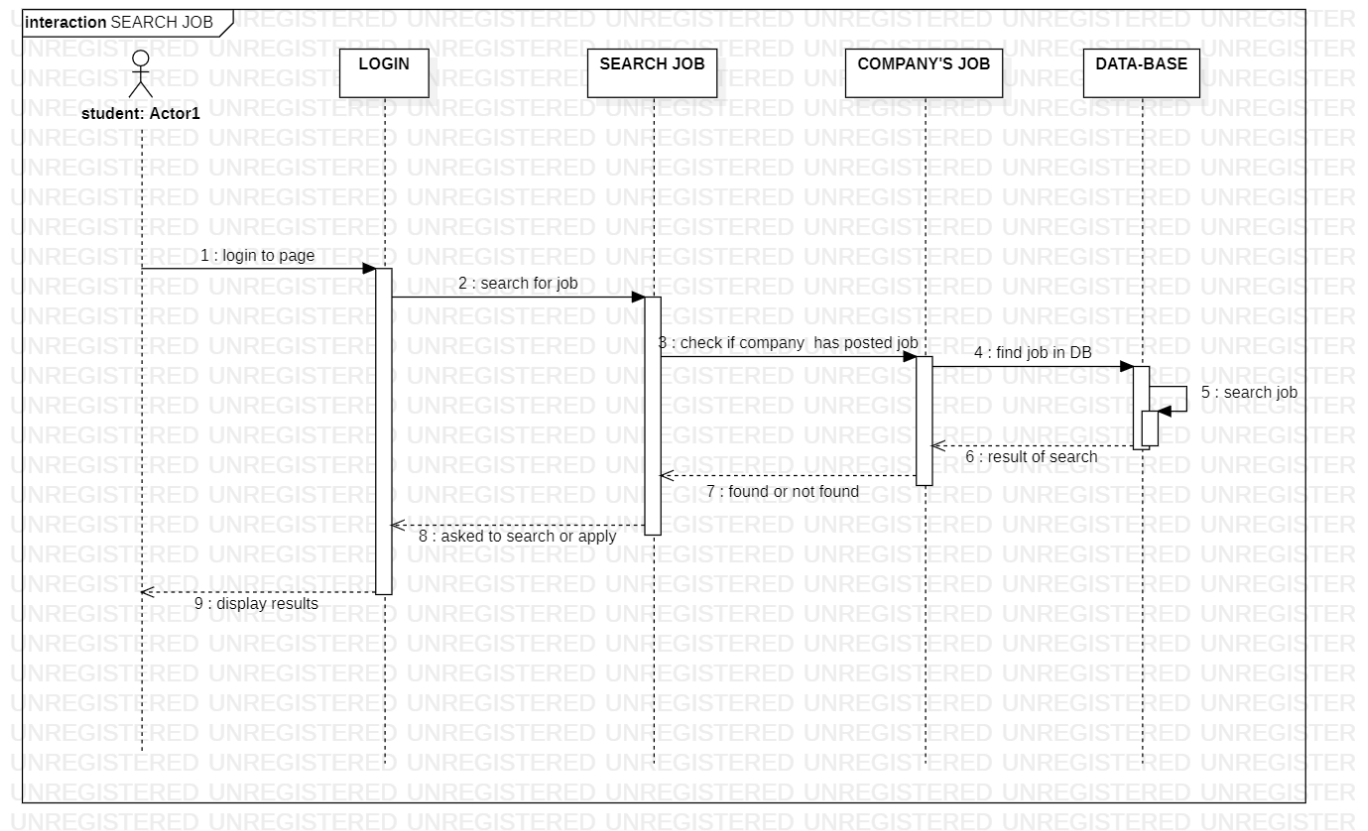
        Student .

Classes involved:

        Login, Search Job, Company's Job, Database.

Description :

        The student can search for Job vacancies if any ,posted by the company in the recruitment system.

interaction SEARCH JOB

| student: Actor1 | LOGIN | SEARCH JOB | COMPANY'S JOB | DATA-BASE |

1 : login to page
2 : search for job
3 : check if company has posted job
4 : find job in DB
5 : search job
6 : result of search
7 : found or not found
8 : asked to search or apply
9 : display results

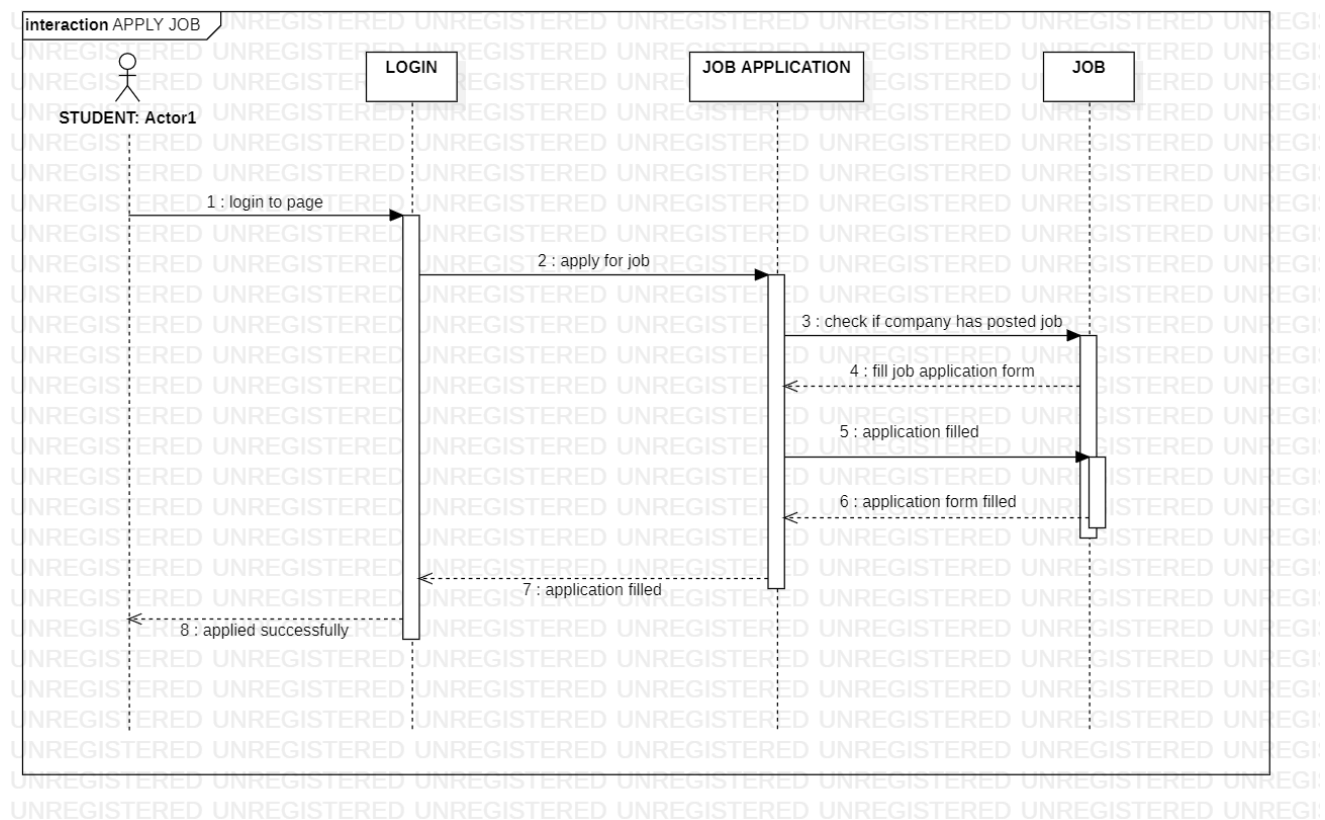# SEQUENCE DIAGRAM TO APPLY FOR JOBS :

Actors involved :

Student .

Classes involved:

Login , Job application , Job.

Description :

The student can apply for Job vacancies if any ,posted by the company in the recruitment system.

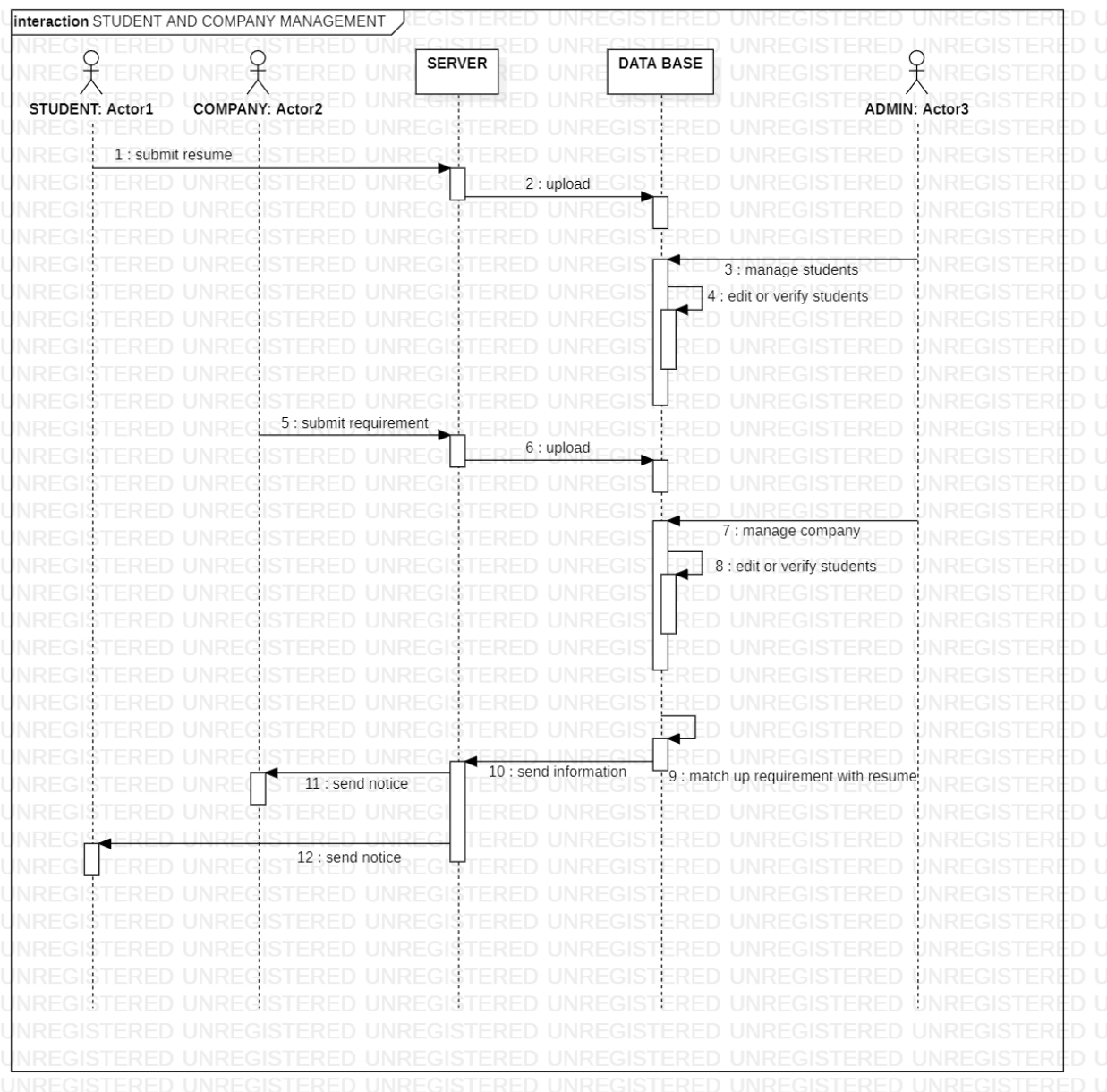# SEQUENCE DIAGRAM TO MANAGE STUDENT's AND COMPANY:

Actors involved :

        Student , Company, Admin.

Classes involved:

        Login, Search Job, Company's Job, Database.

Description :

        The student can submit their resumes and the companies can post their requirements of the job , Database takes care of matching resumes according to the requirements posted by
The company . The Admin can manage both student and company by editing or verifying them.

SEQUENCE DIAGRAM FOR PLACEMENT PROCESS :

Actors involved :

Student.

Classes involved :

System, Database , Test , Checking , Interview, Result.

Description :

This scenario is based on the placement process where, a Student undergoes a test and a interview and the performance is updated in the database.

- For the test, a loop has been used.

- A alternate case has been used to decide whether a student is selected or rejected.