

Interviews Simplified

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Problem Statement

The COVID-19 pandemic has changed the way we behave, eat and work. COVID-19 may have slowed the things world over, but that has not deterred companies from looking for new hires. Most companies have moved to online hiring completely to keep their employees and prospective candidates safe from getting infected. An online job interview is an excellent move to keep things moving while avoiding the threat of COVID-19. While online interviews are not that different from the traditional ones, there are few changes to which we need to adapt to revamp our chances of selection.

As opposed to the pre-COVID situation, we cannot have Pre-Placement Training, mock interviews with experts or approach our seniors for our personality analysis, leaving no scope for improvement.

Solution

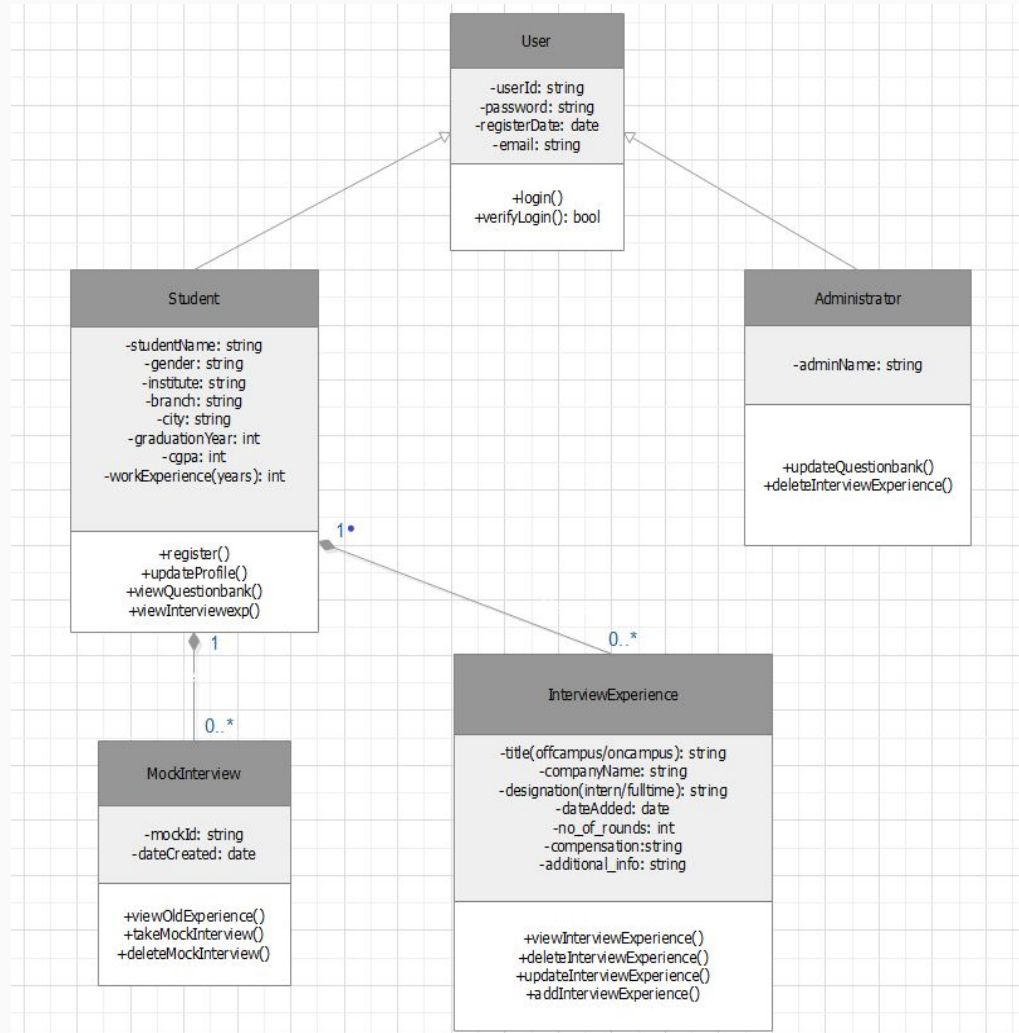
To tackle this problem, we wish to create a progressive web-app that provides a single platform for:

- Adding or viewing interview experiences of various people at different companies
- List of frequently asked questions company-wise
- Mock interviews to improve your soft skill, facial expressions, body language and choice of words using a video analysis tool

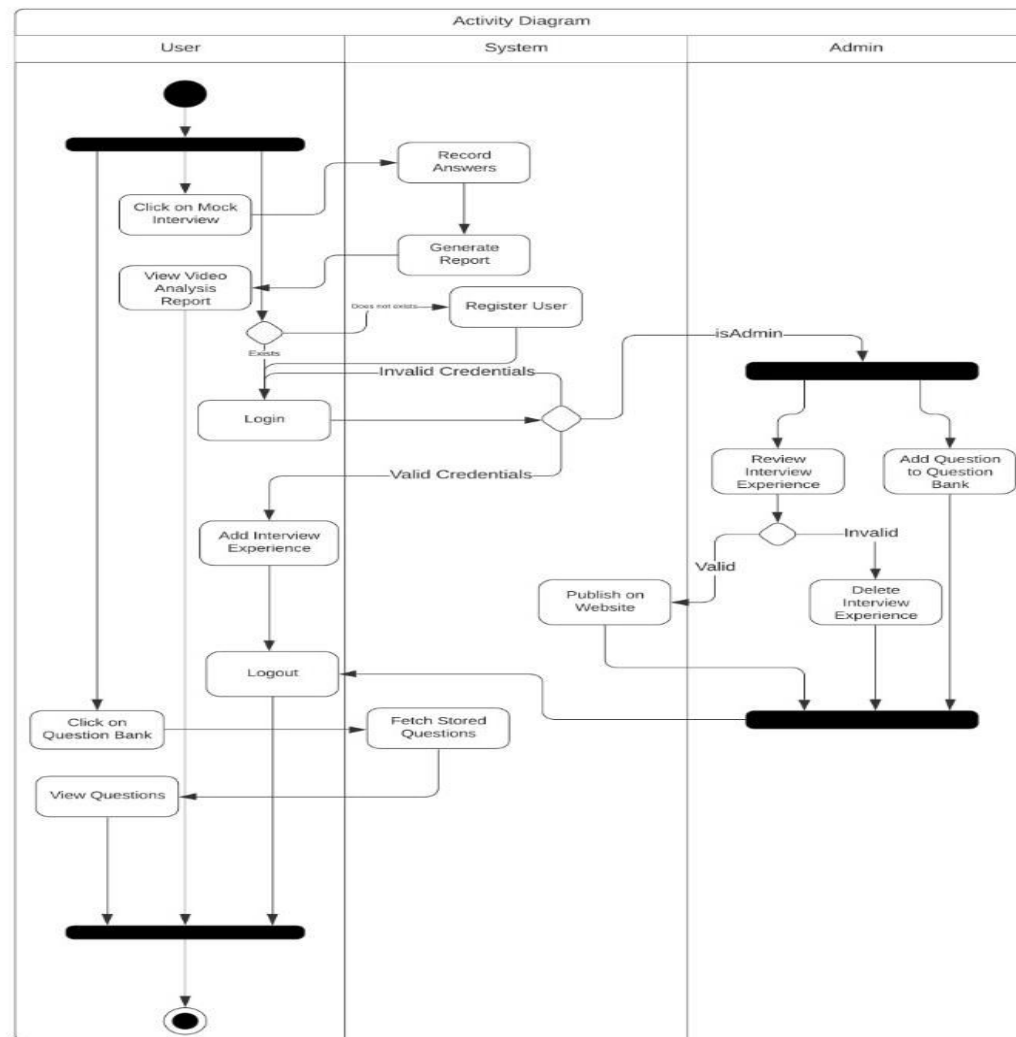
Requirements

- Backend: Django , python
- Frontend: React, JavaScript
- Proper knowledge of Web Scraping
- Natural Language Processing library nltk to parse the English text and remove stop words.

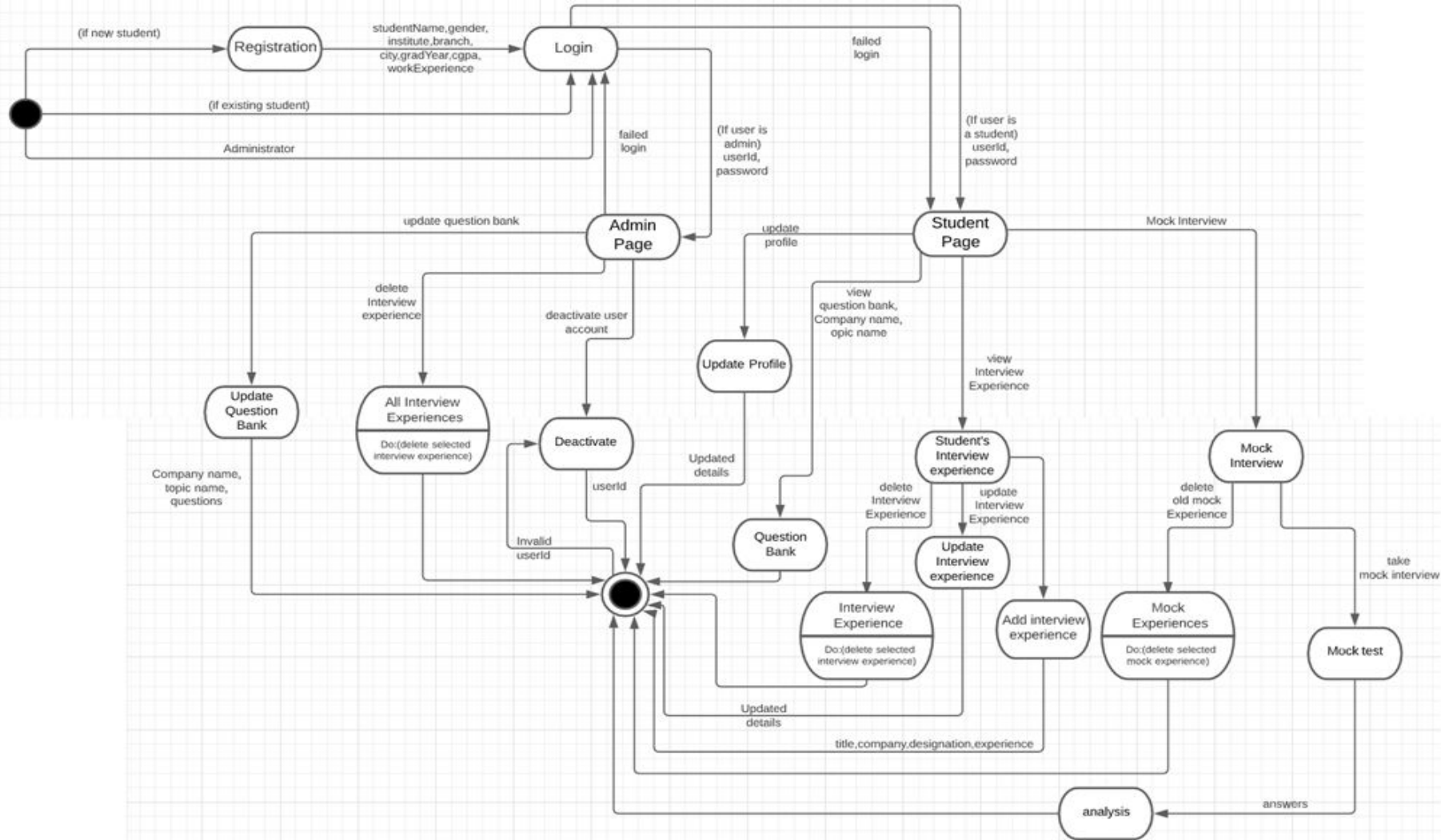
Class Diagram



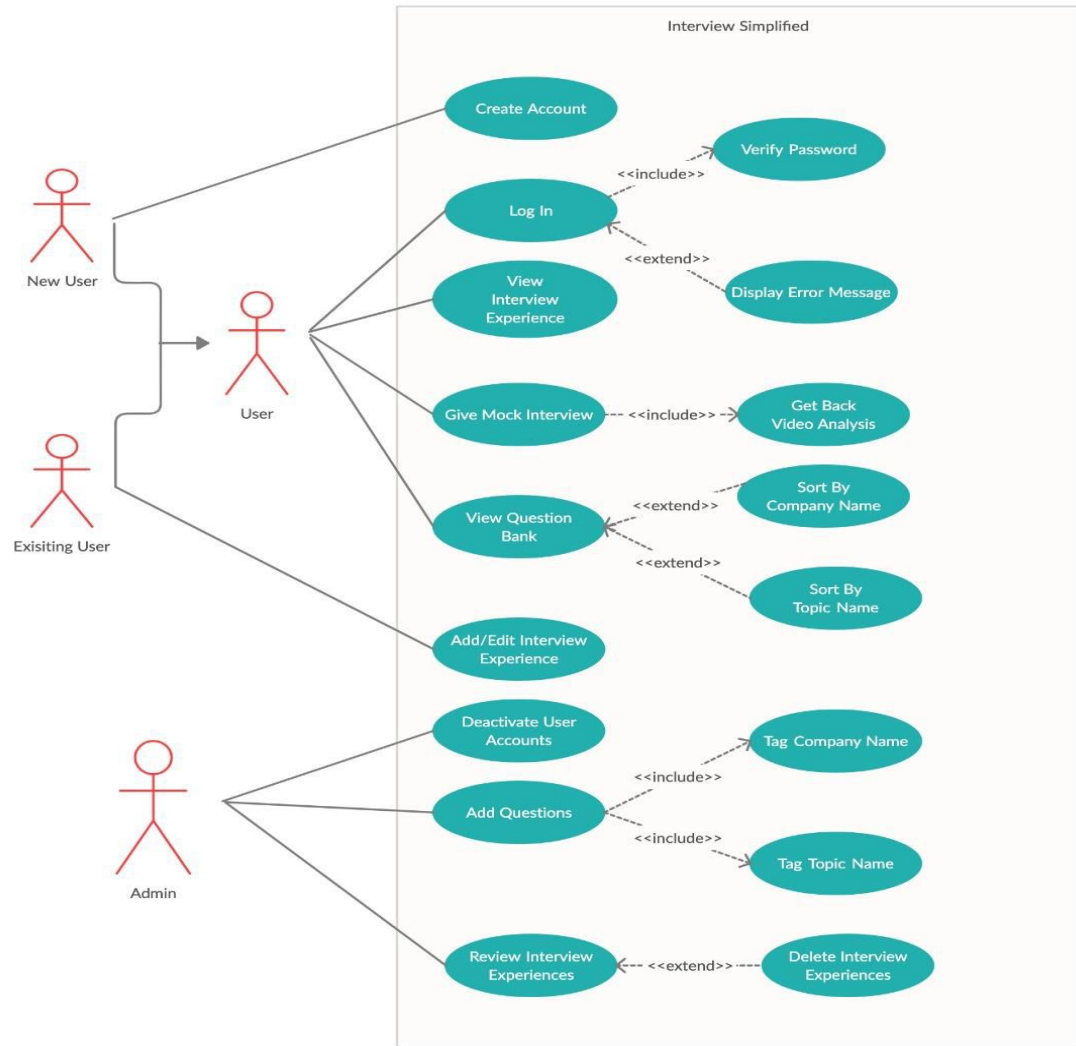
Activity Diagram



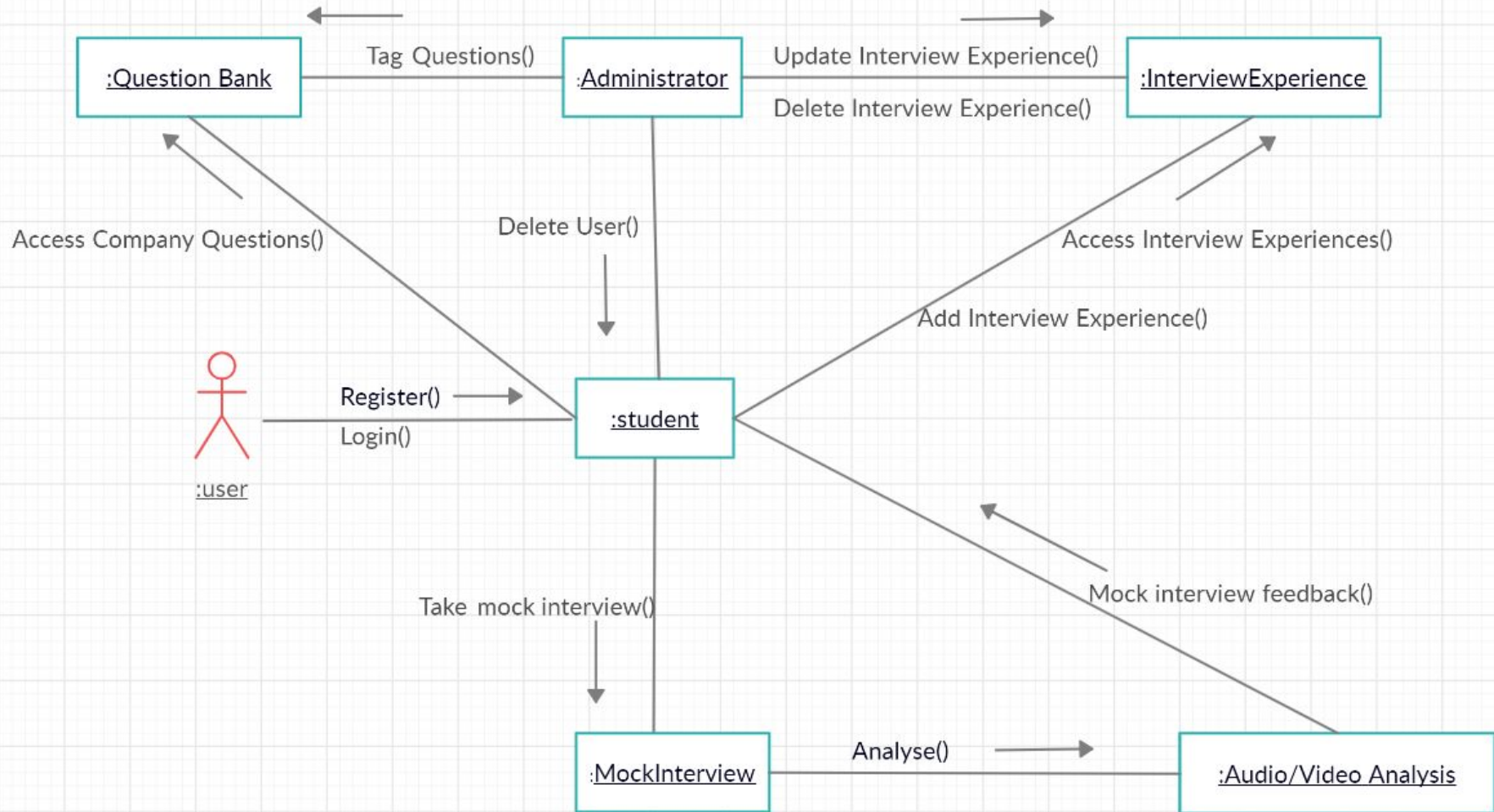
State Diagram



Use Case Diagram



Collaboration Diagram

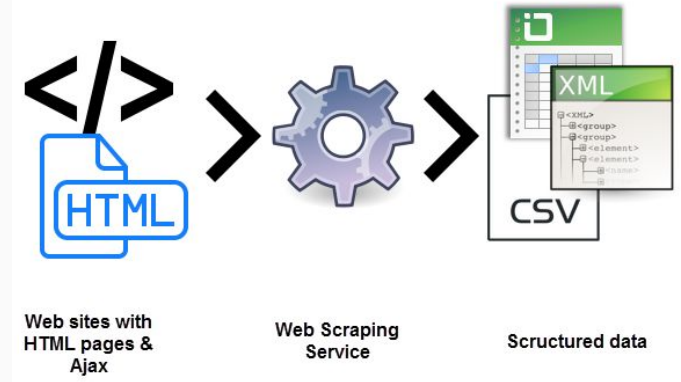


Web Scraping

(Fetch data and information from websites)

STEPS INVOLVED:

- Send REQUEST and LOAD the webpage
- PARSE the content for desired data
- STORE the data the way you want



Analysis

- **SPEAKING RATE:** tells you speed(wpm)
- **MOST USED WORDS:** shows a bar chart for the most used words
- **EMOTIONAL ANALYSIS:** shows a pie chart showing the emotions in your speech
- **WORD CLOUD:** creates the word cloud of most used words

Thank you

