Problem

The objective is to develop a software solution to predict the future jobs based on location, sectors, package and eligibility. Big data analysis can be useful to collect and analyze data from different job sites and predict the future requirements applying machine learning /deep learning techniques.

Ministry/ Organization name:
Gov. of Uttarakhand

Problem Statement:
Predicting the trends of quality oriented jobs

Problem Number: MK105

Team Name: Annotators

Team Leader Name: Prachi Singhal

College Code :U-0412

Solutions

•Future prediction of jobs is done on the basis of current trend analysis of jobs.

•Data from websites will be extracted using web scrapers, data cleaning and analyzing tools will be used thereafter. Finally, the machine learning model will be trained using the created dataset.

•A web application will be used to create a profile for the users.

•While creating a profile the user will rate his own skills and according to the rating, he will get an automated quiz.

•At the end, he will get a mental ability check quiz.

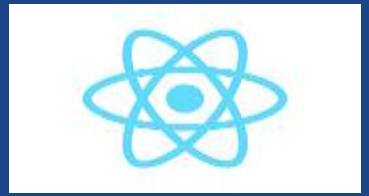
•Depending on the score of his quiz he will classify the job profile and along with that, we will predict salary suiting the profile.

• Profile matching will be done using the metadata extracted from job sites.

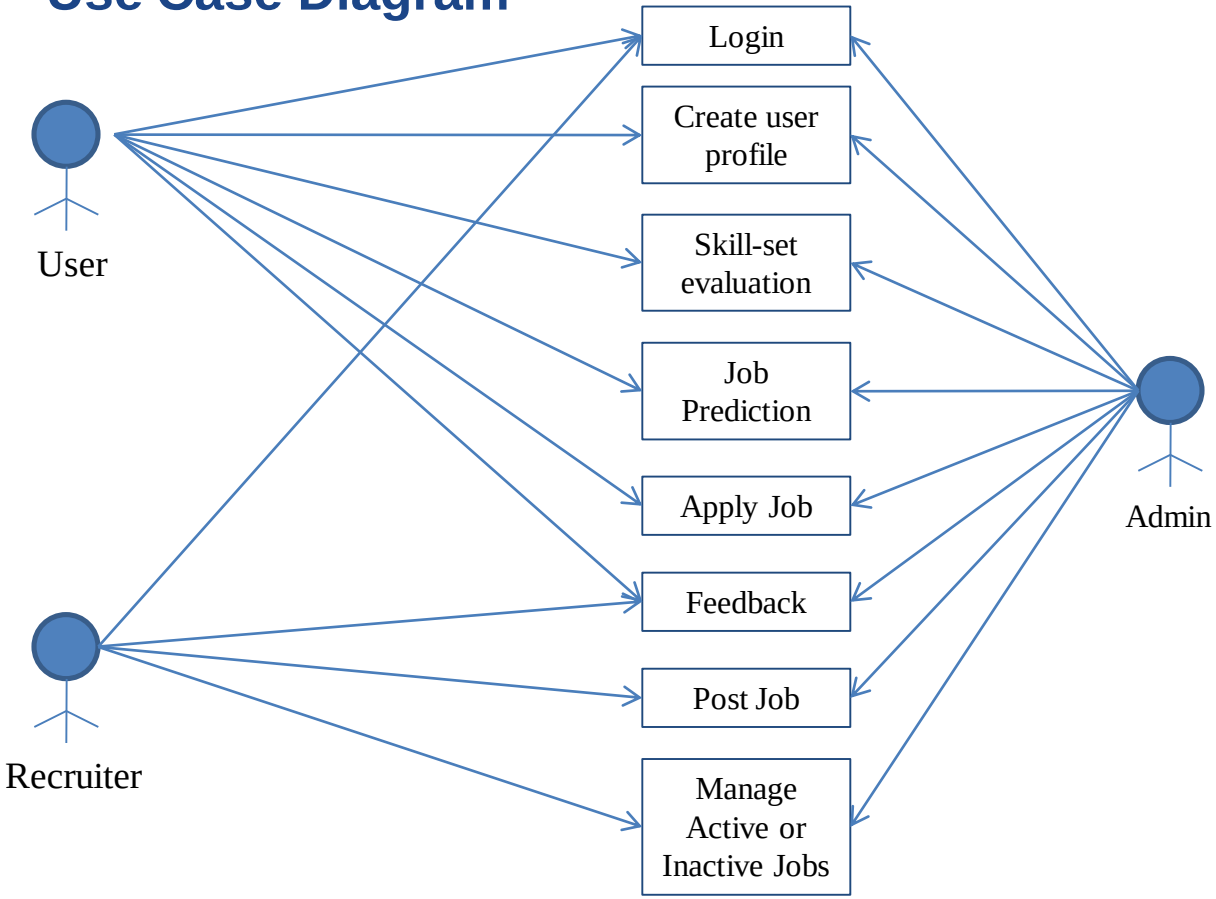
•The data can also be used to analyze the future scenario in a particular profile.

•Furthermore, the recruiters will be allowed to access the scores of all the job aspirants and can contact them directly.

Technology Stack



Use Case Diagram



Dependencies:

Data from the job website.

Questions for the automated quiz.

Software to analyze and train data.