IT314 Software Engineering
Lab 5- Modeling Requirements into Activity Diagram
Group 17

Q-1) Identify the activities, actions, conditions for each of the sprints.

Activities :-

1) Login

Actions:

- The user enters their username and password.
- The system validates the username and password.
- If the username and password are valid, the system logs the user in.
- If the username and password are not valid, the system displays an error message.

Conditions:

- The username must be a valid email address.
- The password must be at least 8 characters long and contain at least one uppercase letter, one lowercase letter, and one number.

2) Registration

Actions:

- Both new users and companies both register at our job portal.
- For company registration they enter their company details.
- For user registration they enter their details like name,phone number,email address and upload their resume.
- If the email address is already in use, the system displays an error message.

- **If the validation is successful, the system creates a new account and sends a confirmation email to the user.**

Conditions:

- **Only new users are allowed to register.**
- **If the email address for registration already exists then a new account is not created.**
- **Admin verifies the company and after verification only the company is registered.**
- **The resume uploaded must be in pdf format.**

3) Edit profile /Resume

Actions:

- **The user clicks on the "Edit Profile" button.**
- **The system opens the profile editing page.**
- **The user updates information whichever he wanted personal details,password or change resume.**
- **If user chooses to change password then otp is sent to email for confirmation.**
- **After validating the otp user changes password.**
- **After updating all the information the user clicks on the "Save" button.**
- **The system saves the changes to the profile or resume.**
- **System redirects the user to home page.**

Conditions:

- **The user must be logged in to edit their profile or resume.**
- **The user must enter valid information for all of the fields.**
- **The user must not exceed the maximum character limit for any of the fields.**
- **The resume uploaded must be in pdf format.**
- **If OTP sent to email is wrong then password is not changed.**

4) Job applications

Actions:

- The user searches for jobs that they are interested in.
- The user selects a job that they want to apply for.
- The user clicks on the Apply button.
- The user receives a confirmation email of the job application.

Conditions:

- The user must be a registered user and logged in to apply for jobs.

5) Job offer

Actions:

- The employer makes a job offer to a candidate and sends an email notification.
- The candidate receives a job offer via email.
- Candidate reads the offer details.
- Candidate accepts or rejects the offer.
- An employer is notified for candidate response acceptance or rejection.

Conditions:

- The employer must be logged in to make job offers.
- The job offer must include all of the required information.

● **If a candidate does not respond for acceptance or rejection of a job offer then the offer of the candidate is rejected and notified for the same.**

6) Job Posting

Actions:

● **The employer creates the job posting.**
● **The employer enters all the information regarding the job like title,type,salary,location and eligibility criteria.**
● **Admin verifies the job posting .**
● **After verification of job posting job is posted.**

Conditions:

● **The job posting must include all details such as job title location,salary,type,and eligibility criteria.**
● **If any information in job posting is found wrong then the company is notified to again check for its job post.**

7) Search and filter

Search:

Actions:

● **The user enters keywords or phrases into the search bar.**
● **The system returns a list of jobs that match the search criteria.**

Conditions:

● **The user must enter at least one keyword or phrase.**
● **The keywords or phrases must be relevant to the type of job that the user is looking for.**

Filter:

Actions:

- **The user selects the filters that they want to apply to the search results.**
- **The system updates the search results to show only the jobs that match the selected filters.**

Conditions:

- **The user must select at least one filter.**
- **The filters must be compatible with each other.**