RECRUITMENT SYSTEM FOR IT COMPANY

correctness of the diagrams depends on the problem statement she gives so copy mindfully!

Termwork 1:

Functional Requirements:

Candidate Management: The system should allow recruiters to manage candidate applications, track their progress through the recruitment process, and communicate with them.

Job Posting and Management: The system should allow recruiters to post job vacancies and manage the job posting process, including creating job descriptions, setting job requirements, and tracking responses.

Interview Scheduling: The system should allow recruiters to schedule interviews with candidates and coordinate the interview process, including sending interview invitations, tracking responses, and scheduling multiple interviews for each candidate if necessary.

Reporting and Analytics: The system should provide reporting and analytics features to help recruiters measure the effectiveness of their recruitment efforts and identify areas for improvement.

Resume Parsing: The system should be able to parse resumes automatically to extract relevant information, such as work experience, education, and skills.

Onboarding: The system should allow new hires to complete their onboarding process, including filling out forms, signing agreements, and setting up payroll and benefits.

Non-Functional Requirements:

Security: The system should be secure, with features such as data encryption, secure authentication, and role-based access control.

Scalability: The system should be able to scale to accommodate large volumes of data and users as the company grows.

Performance: The system should be fast and responsive, with minimal latency when processing data or communicating with users.

Accessibility: The system should be accessible to users with disabilities, compliant with accessibility standards.

Availability: The system should be available 24/7 with minimal downtime or maintenance windows.

Usability: The system should be user-friendly and intuitive, with a clear and consistent user interface that is easy to navigate and use.

Ambiguities:

->The system may not provide clear guidelines for recruiters on how to evaluate candidates based on the company's specific hiring criteria.

->The system may not provide clear guidelines for job postings, leading to inconsistencies in job descriptions and requirements.

->The system may not provide clear guidelines on how to handle candidates who are rejected or who do not respond to interview invitations.

->The system may not provide clear guidelines for how to handle confidential candidate information.

Inconsistencies:

->The system may have inconsistencies in the way it handles candidate data across different stages of the recruitment process.

->The system may have inconsistencies in the way it communicates with candidates, leading to confusion or missed opportunities.

->The system may have inconsistencies in the way it handles job postings, leading to inconsistencies in the quality of job descriptions and requirements.

->The system may have inconsistencies in the way it handles candidate feedback, leading to inconsistent candidate experiences.
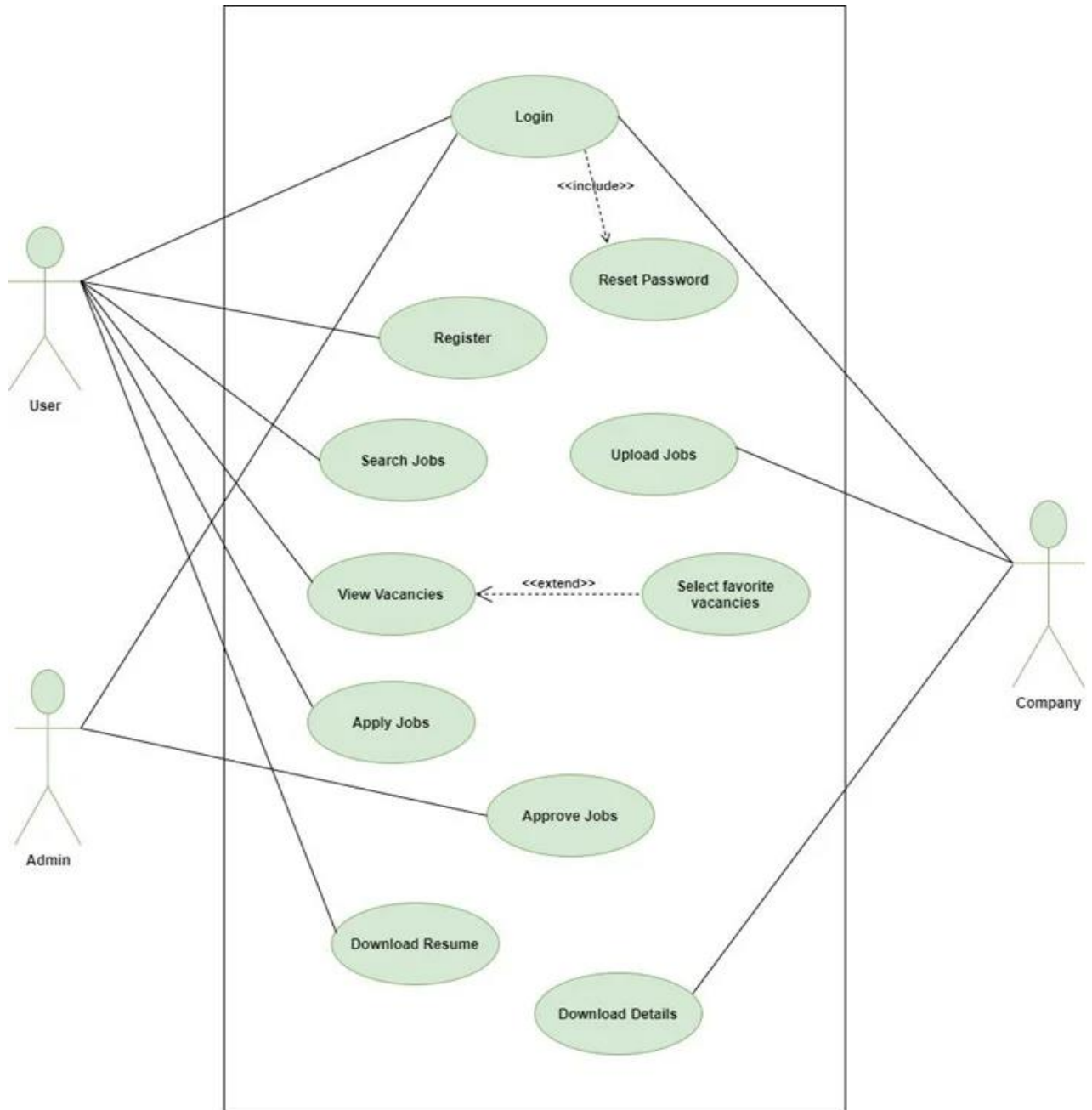
Incomplete:

->The system may be incomplete in its ability to handle certain types of recruitment processes, such as campus recruitment or executive search.
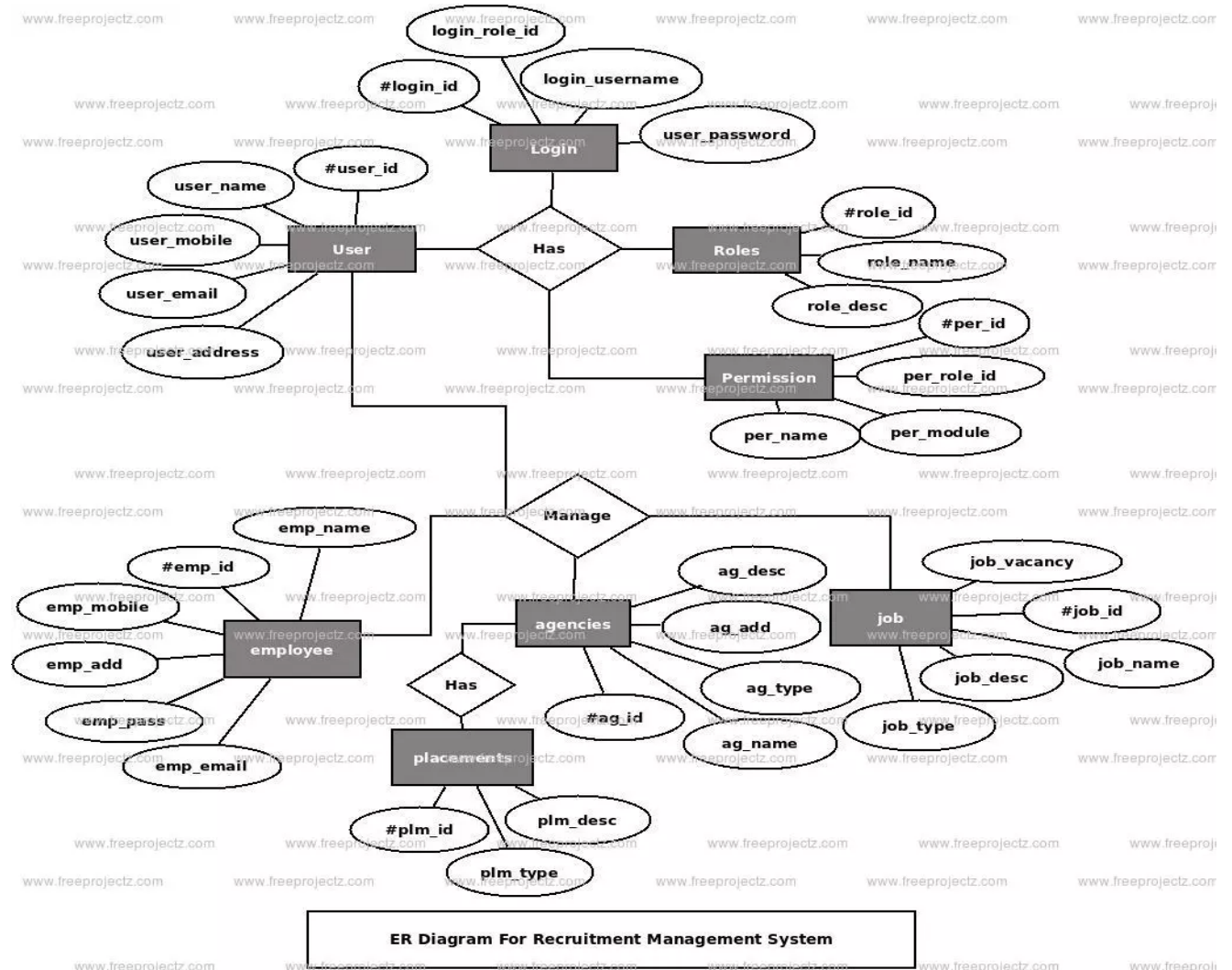
->The system may be incomplete in its ability to handle different types of job postings, such as internships or freelance opportunities.

->The system may be incomplete in its ability to handle different types of candidate data, such as candidate feedback or performance metrics.
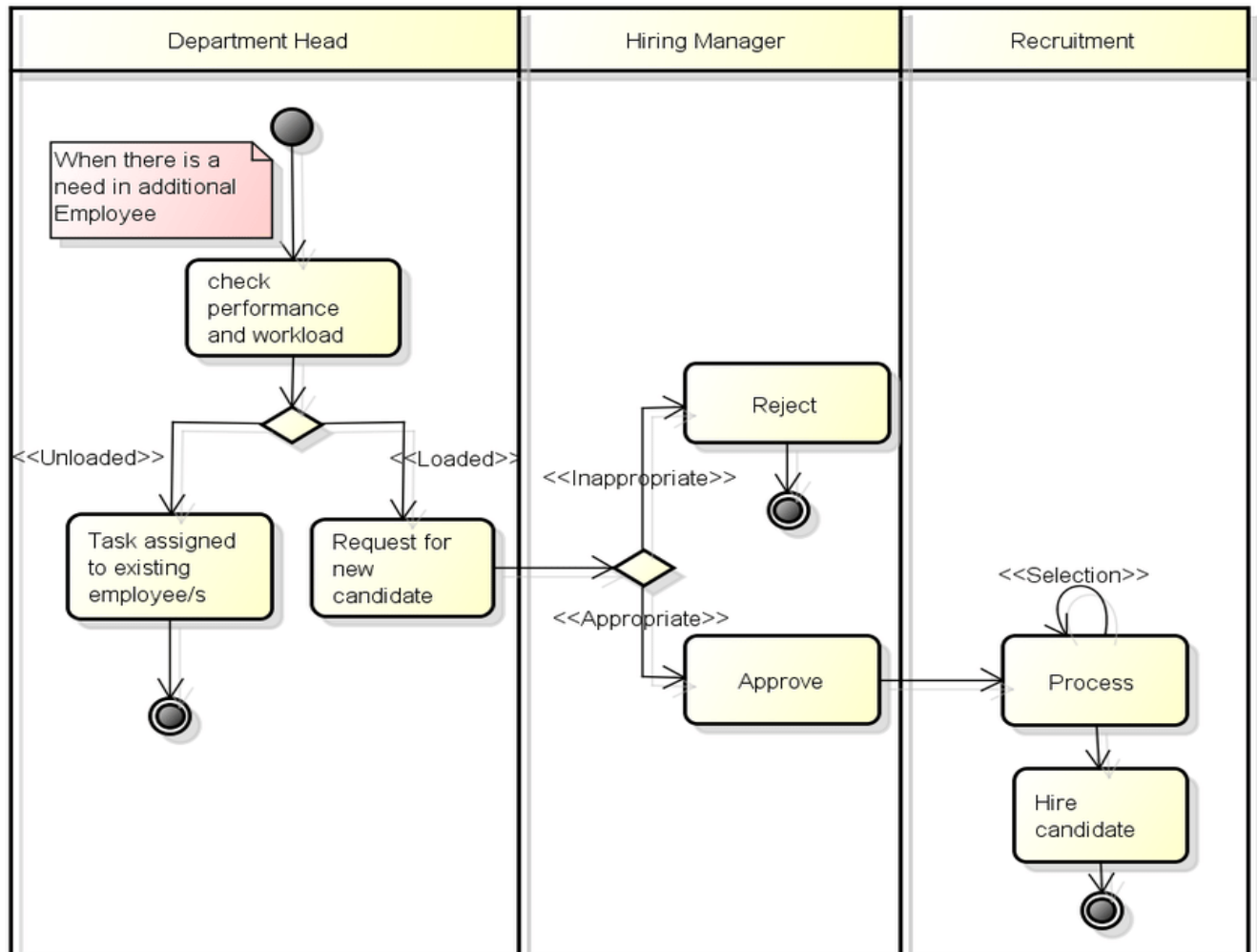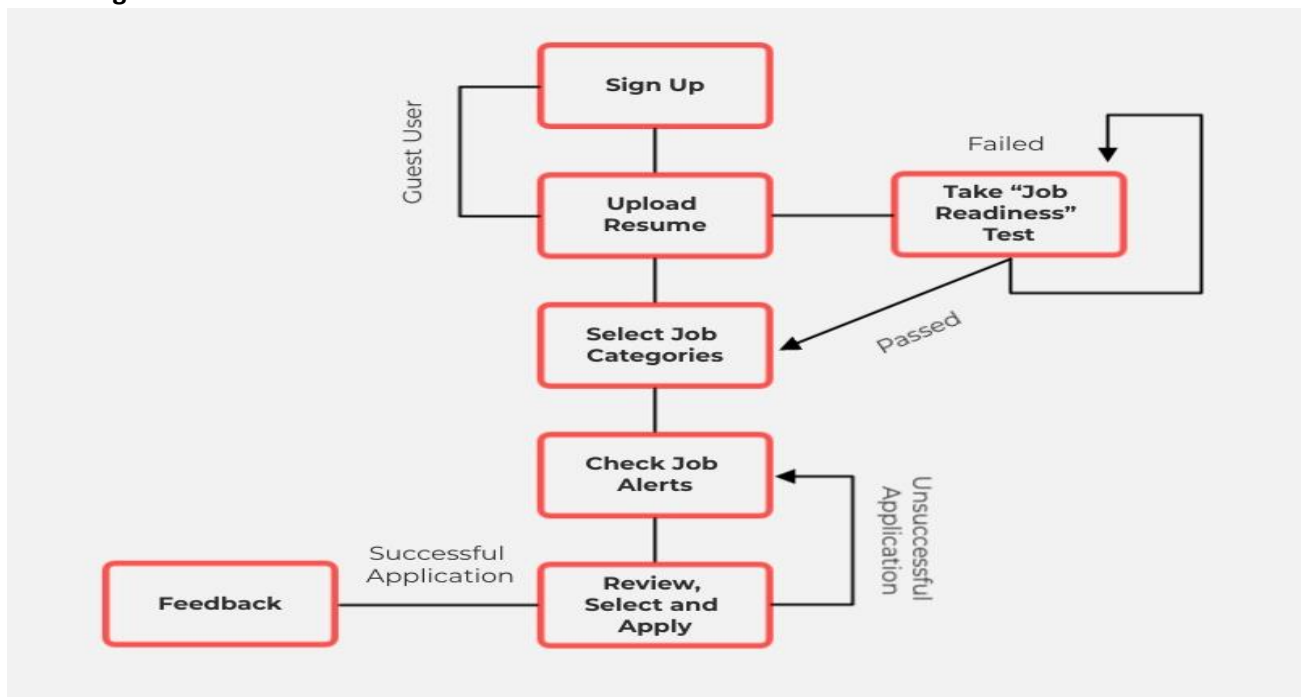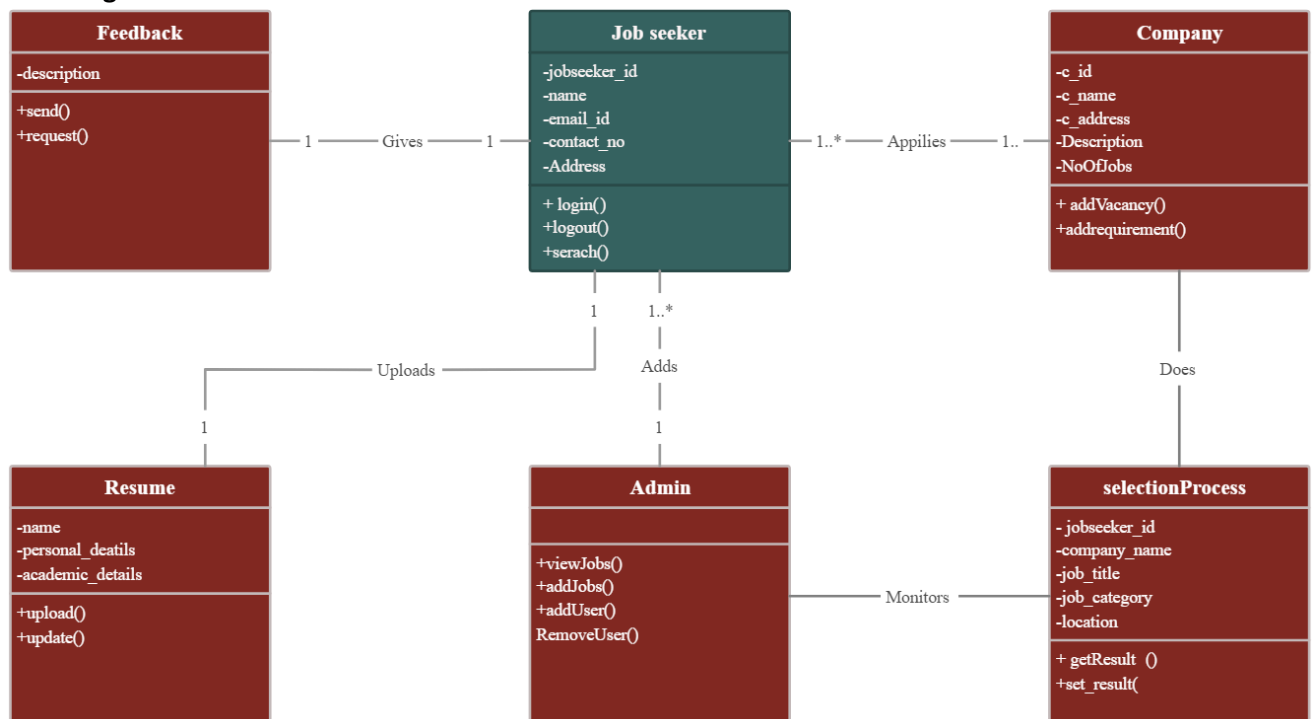
Termwork 2:

Termwork 3:

ER Diagram For Recruitment Management System

Termwork 5:
activity diagram:

state diagram:

Termwork 6:

class diagram:

Feedback
-description
+send() +request()

Job seeker
-jobseeker_id -name -email_id -contact_no -Address
+ login() +logout() +serach()

Company
-c_id -c_name -c_address -Description -NoOfJobs
+ addVacancy() +addrequirement()

Feedback —— 1 —— Gives —— 1 —— Job seeker —— 1..* —— Appilies —— 1.. —— Company

Job seeker 1 —— Uploads
Job seeker 1..* —— Adds
Company —— Does

Resume
-name -personal_deatils -academic_details
+upload() +update()

Admin
+viewJobs() +addJobs() +addUser() RemoveUser()

selectionProcess
- jobseeker_id -company_name -job_title -job_category -location
+ getResult () +set_result(

Resume 1 (Uploads)
Admin 1 (Adds)
Admin —— Monitors —— selectionProcess

sequence diagram:

Termwork 7:

Employee Management

Call Letter Management

Employee Registration Management

Recruitment Management System

Search Job Management

Post Job Management

Interview Management

Zero Level DFD - Recruitment Management System