

Functional Requirement

GENERAL INFORMATION

Project Name

E2E (Employer to Employee) Job Portal

Purpose

To act as a mediator between employer and employee.

Scope

Build platform which can be used by small scale or large-scale industry/organization to find employees for jobs.

1.3 Team

Name	Role	Email/Phone
Sachin Joseph	Backend Developer	Sjoseph1029@conestogac.on.ca
Rubel Thomas Binu	Backend Developer	Rthomasbinu6050@conestogac.on.ca
Melvin Samuel Joshuva	Frontend Developer	Msamueljoshuva8184@conestogac.on.ca
Vinay Kumar Molgara	Frontend Developer	Vmolgara0887@conestogac.on.ca

Functional Requirements

#	Functional Requirement	Category	Notes	Priority	Owner
1	System shall allow to the user to select either employee or employer.	User	Select Employee or employer to move into the corresponding page.	High	Rubel
2	System shall allow a separate login for admin only.	Admin	For admin login purpose	High	Rubel
3	System shall allow multiple admin access	Admin		Medium	Rubel
4	System shall allow the new user (employee and employer) to register.	User	Store to SQL database	High	Rubel

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5	System shall trigger duplicate users.	Admin	If an existing user tries to register, then error message pops up.	High	Rubel
6	System shall allow the employee to deactivate the account.	Employee	Unsubscribing	High	Rubel
7	System shall send a verification email for the new user	Admin		Medium	Rubel
8	System shall provide admin with full access to manage the users (Add/Delete/Update)	Admin	Replace with the existing data.	High	Sachin
9	System shall allow the registered user to login the portal using their credentials.	User	Verify with the credentials stored in the database	High	Sachin
10	System shall allow the user to update their password if forgotten.	User	Replace with the existing data.	Medium	Sachin
11	System shall allow the employee to log out from the portal	Employee		Medium	Sachin
12	System shall allow the employer to logout of portal	Employer		High	Rubel
13	System shall allow the employee to access different modules from the side panel	Employee	Side panel has Home, employers list and job history	High	Sachin
14	System shall allow the employee to view the jobs applied from the side panel	Employee	Side panel has Home, employees list and employee requests	High	Sachin
15	System shall allow the employee to see the profile details.	Employee		Medium	Melvin
16	System shall show the weekly hours log to the employee user	Employee		High	Melvin

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17	System shall show the monthly hours log to the employee user	Employee		High	Melvin
18	System shall allow the employee to see the employer list with job details.	Employee		High	Melvin
19	System shall allow the employee to see the available openings for the current job.	Employee		High	Melvin
20	System shall display the available openings for the current job in different color	Employee	Red color indicates no openings while green shows the job still open.	Medium	Melvin
21	System shall allow the employee to make a request for the job	Employee		High	Melvin
22	System shall update the job opening status with each request made.	Employee	Update the value in the SQL.	High	Melvin
23	System shall allow the employee to see the job done history	Employee		Medium	Melvin
24	System shall allow the user to make an IT support request.	Employee	Connect with portal admin for any glitch in the system	Low	Vinay
25	System shall allow the employer to request for an IT assistance	Employer	Connect with portal admin for any glitch in the system	Low	Vinay
26	System shall allow employee to contact employer customer support	Employee	Connect with the employer direct for any queries regarding the job	Low	Sachin
27	System shall allow the employer to post the job openings	Employer		High	Vinay
28	System shall allow the employer to post the basic requirements for the job	Employer		High	Vinay

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29	System shall allow the employer to access different modules from the side panel	Employer	Side panel has Home, Profile,	High	Vinay
30	System shall allow the employer to view the other job openings posted	Employer	Side panel has home	Medium	Vinay
31	System shall allow the employer to view the jobs they have posted	Employer	Side panel has job history	High	Vinay
32	System shall allow the employer to view the details of candidates who have applied for the job they have posted	Employer	Side panel has job history	High	Vinay
33	System shall allow employer to view the hours of work done by the employee who has been selected for the job	Employer		High	Vinay
34	System shall allow the employer to edit, update and delete the job posted	Employer		High	Vinay
35	System shall allow both employee and employer to post a review	User		Medium	Sachin
36	System shall allow the employee to view FAQ (Frequently asked Questions)	User		Low	Sachin
37	System shall allow employee to book an appointment for consultation	Employee		Medium	Sachin
38	System shall allow employee to access Live chat bot for help	User		Low	Rubel

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39	System shall allow employee to view the partnered companies on the site	Employee		Medium	Rubel
40	System shall allow employee to hide is personal information	Employee		Low	Sachin

DATA FLOW DIAGRAM

Project Name - E2E (Employer to Employee) Job Portal

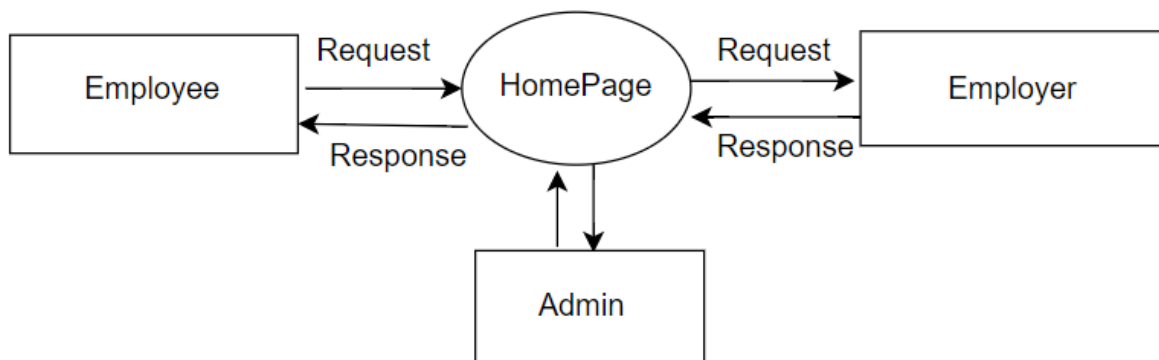
Purpose - To act as a mediator between employer and employee.

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Team Members – Rubel Thomas Binu, Sachin Joseph

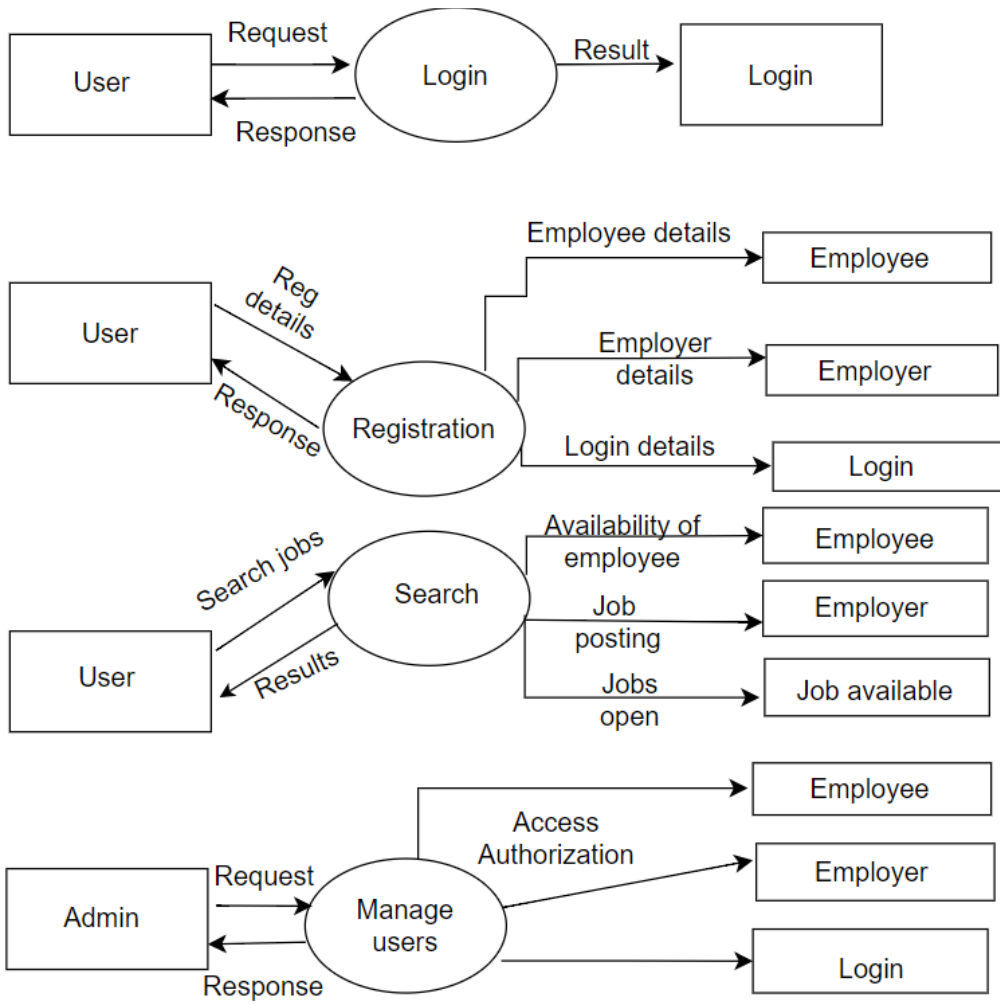
Melvin Samuel Joshuva, Vinay Kumar Molgara

LEVEL 0

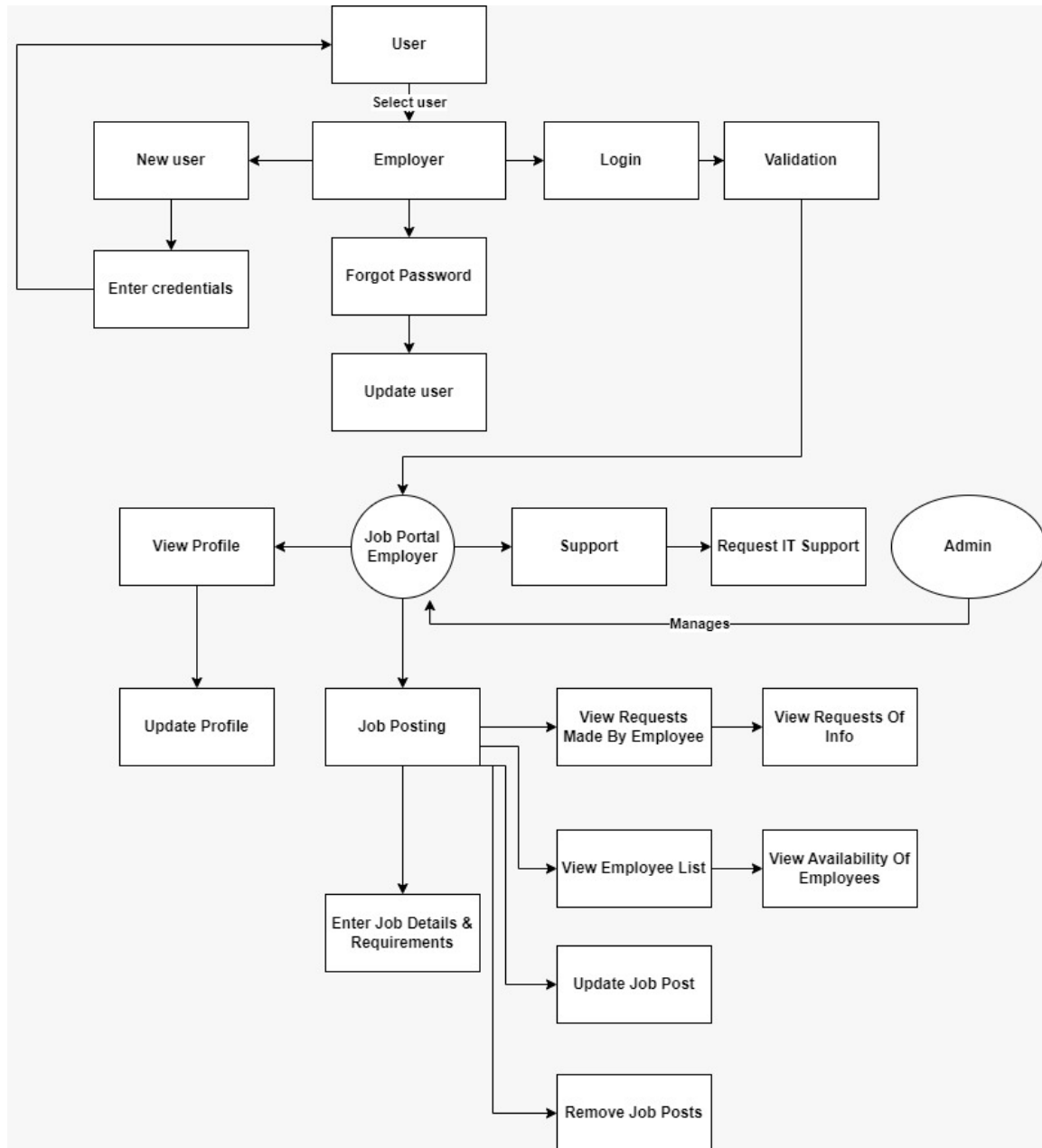


LEVEL 0

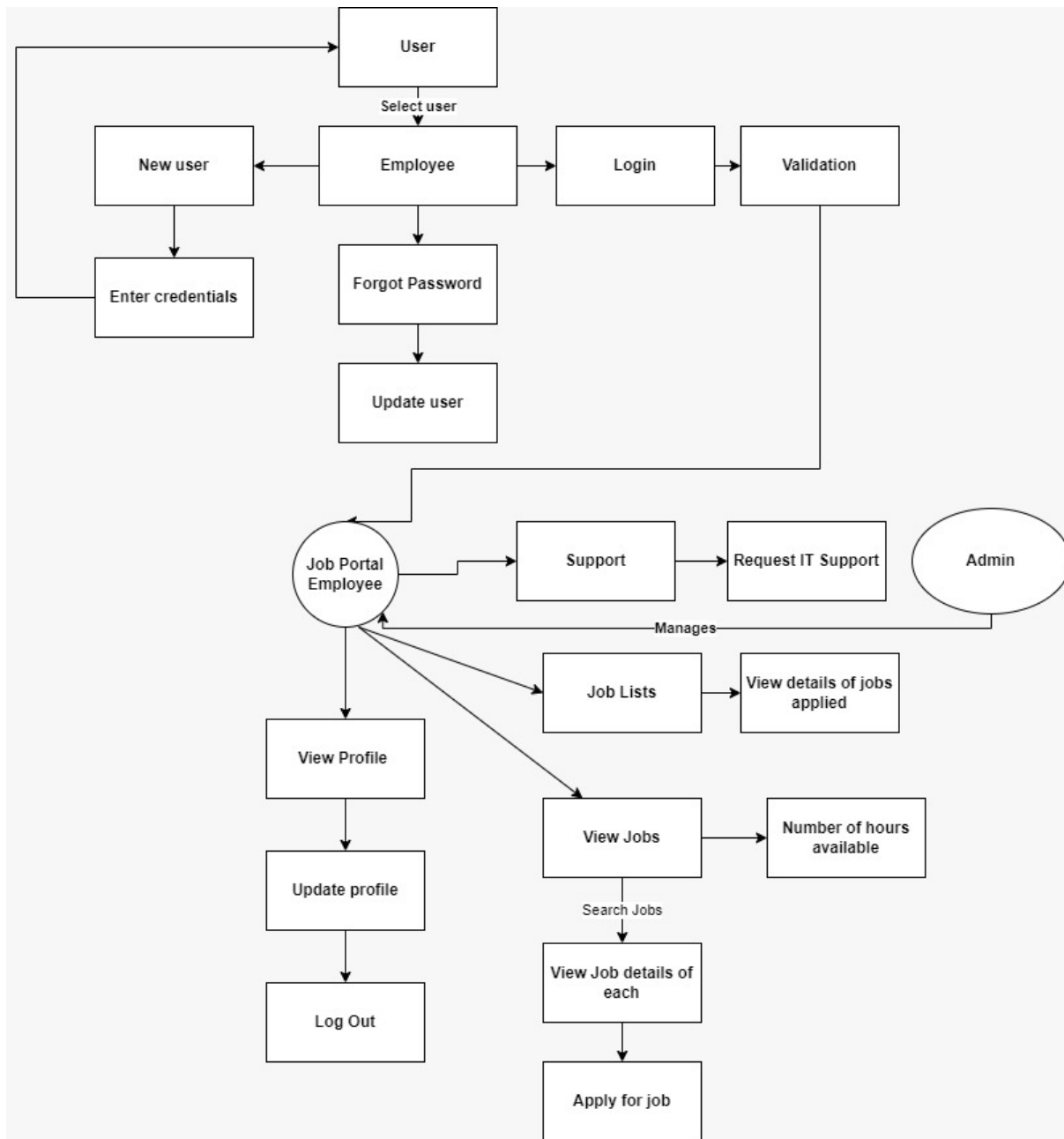
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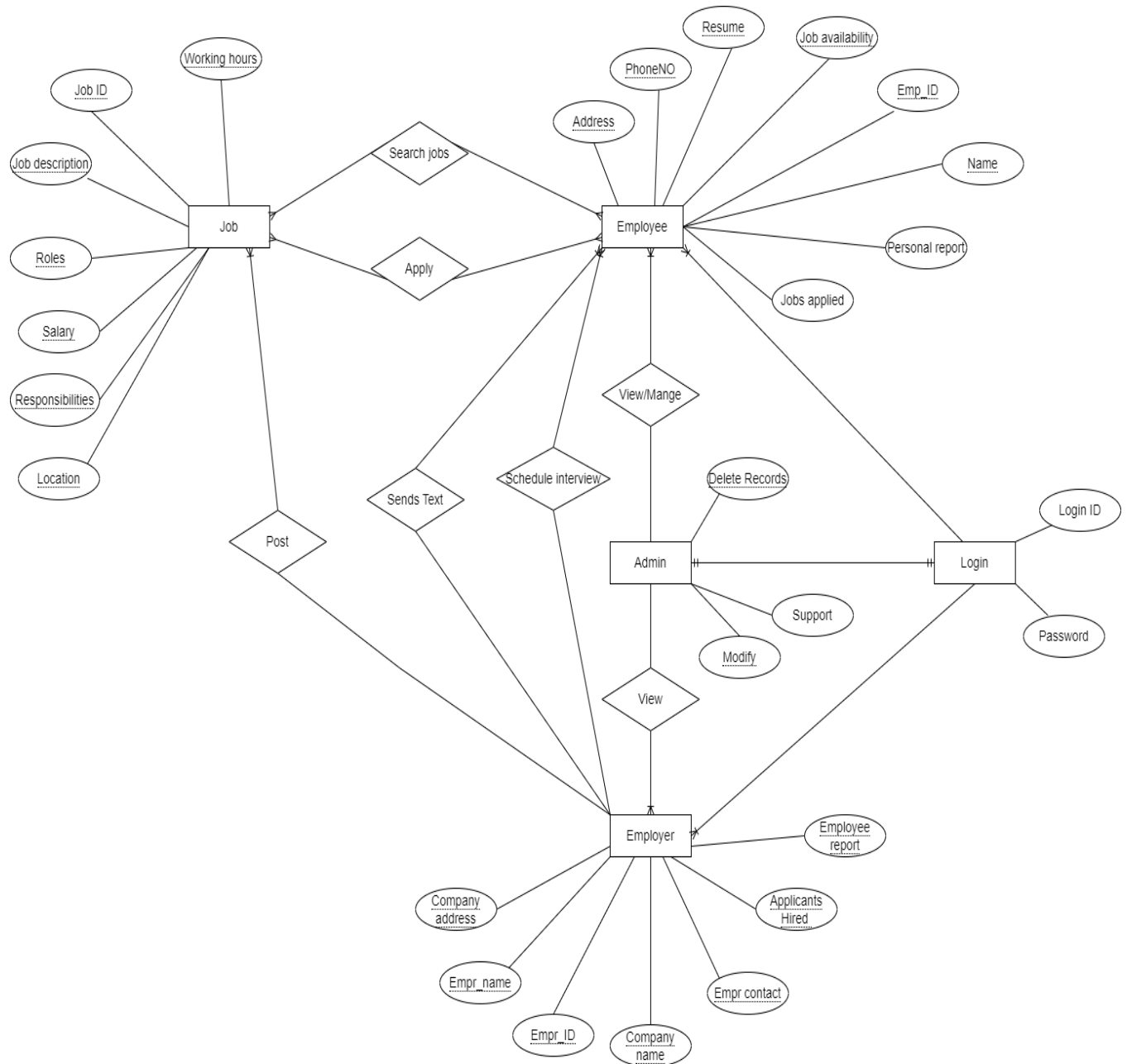
LEVEL -02 (EMPLOYER)



LEVEL -02 (EMPLOYEE)



Entity Relationship Diagram (ERD)



This project mainly focuses on hiring an employee for a job directly through employer. The Entity relationship diagram in this project consists of five different entities.

Entities:

- 1.Admin
- 2.Employer
- 3.Employee
- 4.Job
- 5.Login

1.Admin:

This entity represents the administration of the website and also have attributes like modify, delete records and support. Admin have access for the entire website, admin is responsible for website maintenance, user management and customer support.

2.Employer:

This entity represents the companies or individuals who looks for employees for recruitment. It contains attributes such as company name, employer contact, Applicants hired, Employer ID, Address and employee report. Employer is responsible for posting a job in the portal and employer can schedule and interview directly to the employee and hire them without any help from admin.

3.Employee:

This entity represents the individuals looking for job opportunities. It contains attributes such as Phone number, address, job availability, resume, employee ID, jobs applied and personal report. Employees search for the jobs that are posted on the website and apply for a job that suits his skills.

4.Job:

This entity represents the job postings that are posted by the employer in the website. It contains attributes such as job ID, job description, responsibilities, roles, working hours, location and salary.

5.Login:

This entity represents the credentials of the admin, employer, employee to login into the website. It contains attributes such as login ID and password.

Relationships:

- Employee can apply any number of jobs that are posted on the portal. A particular job can receive number of applications. So, it is many-to-many relationship.
- An employer can post any number of job postings, and each job posting is created by a single employer. So, it is one-to-many relationship.
- The admin entity can access all the employee, employer and their operations. So, this is a one-to-many relationship between employee and employer
- Login entity is associated with all other entities and is used to authenticate and authorize users. So, this is a one-to-many relationship between login and all other entities

Attributes:

Each entity has its own attributes that define its properties, These attributes are important for the website as they help in filtering job postings according to employee preferences, managing employer information and job postings, and providing secure login access to the website.

To conclude, with entities that we used in the project will ensures that data is managed efficiently and effectively, and that there is minimal data redundancy and data consistency, resulting a good user experience for both employee and employer.