



A.M. Patel  
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# A PROJECT REPORT ON ONLINE JOB PORTAL WEBSITE

Submitted by:

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BCA –V (2024-2025)

U35A5SDP1: SYSTEM DEVELOPMENT PROJECT - 1

Guided by:

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Submitted To:

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## CERTIFICATE

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that the following students of **BCA Semester V** have completed their project work title "**ONLINE Job Portal**" satisfactorily fulfill the requirement for subject **U35A5SDP1** in BCA Semester V in the year 2024-2025.

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**Dean**

Dr. Nirbhay Choubey

## **Acknowledgement**

An acknowledgment should be an expression of Genuine gratitude and not a set of platitudes. Here with we pen down the thank fullness. We owe to all those who made this endeavor ours successful. We do not want to miss the opportunity to thanks all those who had helped us either directly or indirectly, through their constant and guidance, which helped, put in our best.

We are thankful to **Prof. Falguni Suthar** for help in our project as a project coordinator and project guide.

Our project at AMPICS. We are thankful to AMPICS for providing us an opportunity to work on their premises, guidance & cooperation during the project.

All other staff member of AMPICS institute of Computer Studies, kherva. Who support & guide us greatly during the tenure of the project and for this us sincere thanks to all of them. At last but not least we must say that the quality of the guidance, co-operation and inspiration provided by the member of AMPICS, kherva. We can't be expressed in words.

## Preface

Welcome to project report developed by **Mihir Prajapati** and **Karan Parmar, Group No 04** undertaken at AMPICS located at **Ganpat University, Kherva.**

The project report has been made to make ease of understanding of the website developed for full time project fulfillment in BCA SEM-V. Where project report contains the documentation of project and project presentation.

Here in word document the documentation has been developed including the following things. Intro-page, college certificate (for made project), index, project profile, existing system, need for new system, minimum requirement, system flow-chart, DFD up to first level, entity relationship diagram.

The other thing is process description that includes brief description of process. Process algorithm, Admin Side Input Design, Customer Side Input Design, and at the last Post Implementation Review, Future Enhancement, and Bibliography that gives the reference books and references sites.

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# Project Profile

<b>Project Title</b>	<b>Job Portal web Application</b>
<b>Objective</b>	For Provide Job portal To Public
<b>Front End Tool</b>	ReactJs,DaisyUi,TailwindCSS
<b>Back End Tool</b>	NodeJS
<b>Editor</b>	Visual Studio Code
<b>Operating System</b>	Windows 10, 11, 12
<b>Application Type</b>	Website
<b>Developed For</b>	Acharya Moti Bhai Patel Institute of Computer Studies
<b>Team Member</b>	Mihir Prajapati(22032211205) Karan Parmar(22032211123)
<b>Project Guide</b>	Prof. Falguni Suthar (Internal Guide)
<b>Group No</b>	04

## Existing System

- Job details are stored in paper work
- Maintenance is a huge problem
- Updating , Changes in details is a big task
- Limited Accessibility** : without an online presence, applicant can
- only access the rental service by physically visiting the rental location

## Need for new System

- Maintenance is easy and performance is good.
- Mainly the system has automated the transportation process. As data is maintained electronically , it's easy for a person to update the details, Which has overcome the tedious updating in previous system.
- Customer Convenience :** In an increasingly digital world
- 24/7 Availability :** our online platform can operate 24/7 , allowing applicant to apply jobs at any time day or night

# H/W & S/W Requirement(recommended)

## ➤ Server side:

### **Hardware:**

- **Processor : Intel core i3 OR above**
- **Ram : 4GB or above**
- **Hard – Disk : 256GB or above**

### **Software:**

- **Database System : MongoDB**
- **Operating System : Windows 7 or above**

## ➤ Client side:

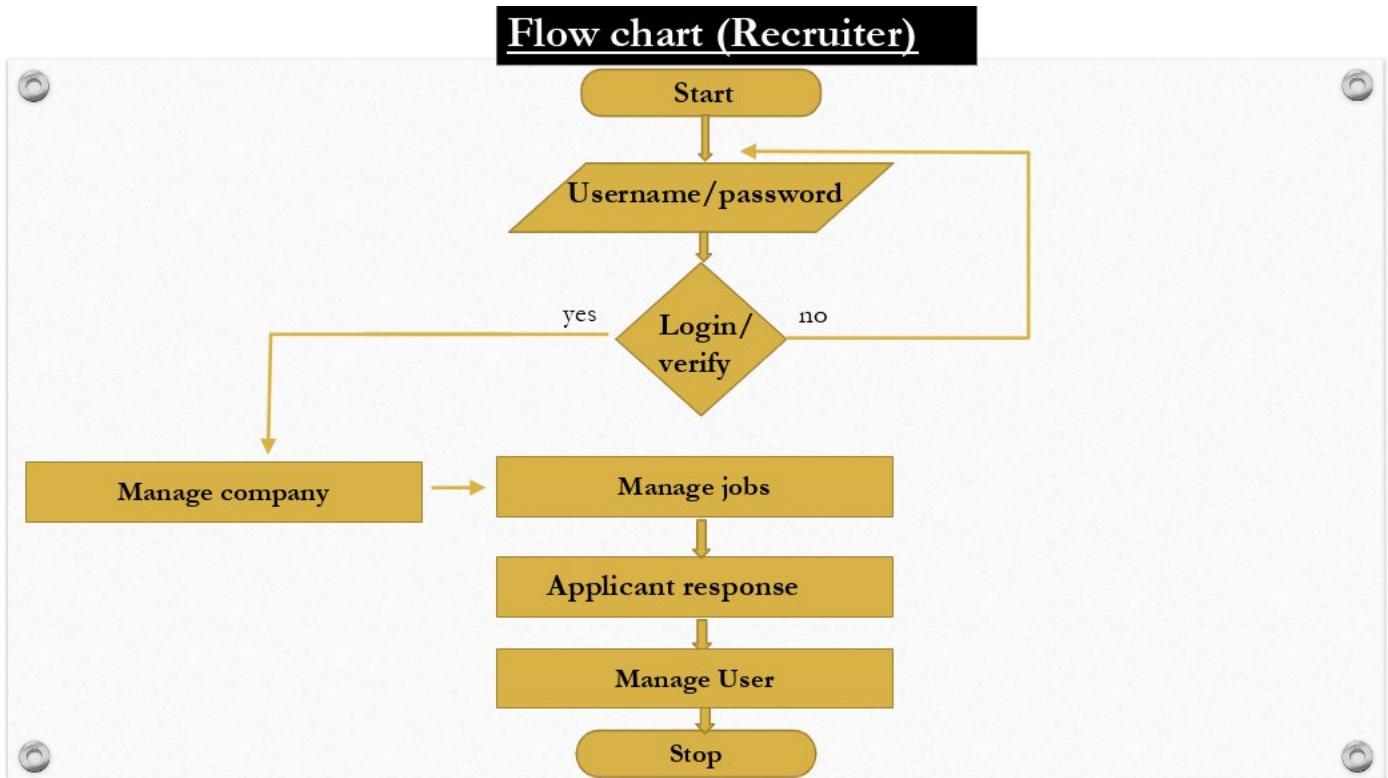
### **Hardware:**

- **Processor : Intel core i3 or above**
- **Ram : 2GB or above**
- **Hard-Disk : 256GB or above**

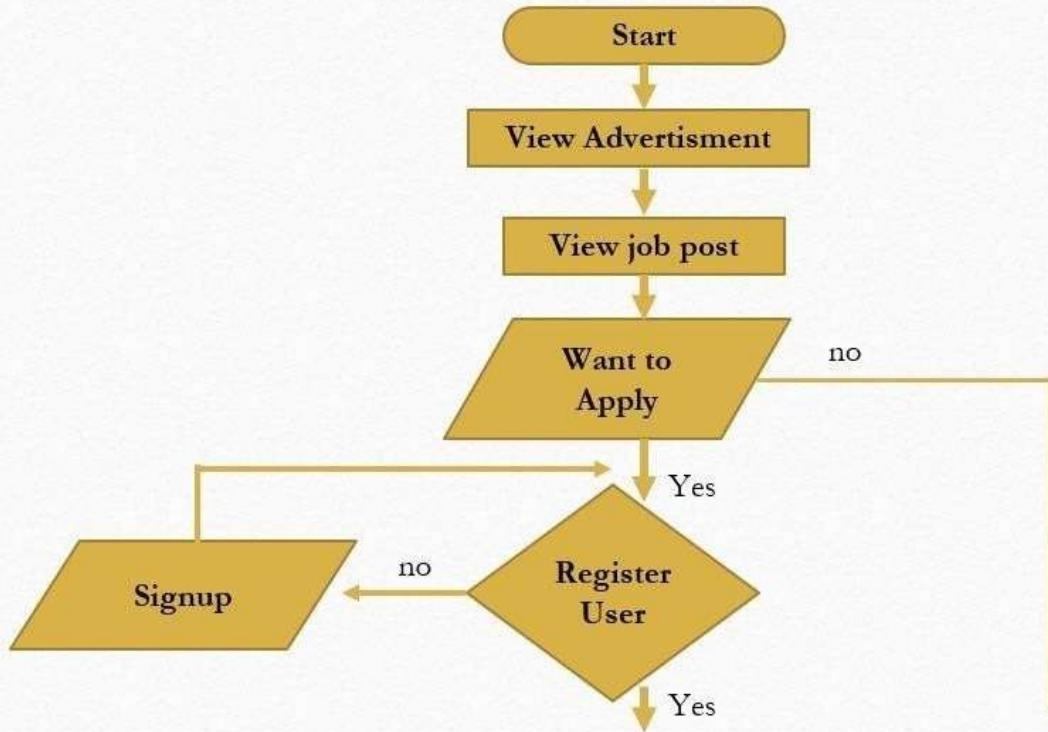
### **Software:**

- **Browser : chrome or Any browser**
- **Operating System : windows or any OS**

# Flowchart



## Flow chart (User)

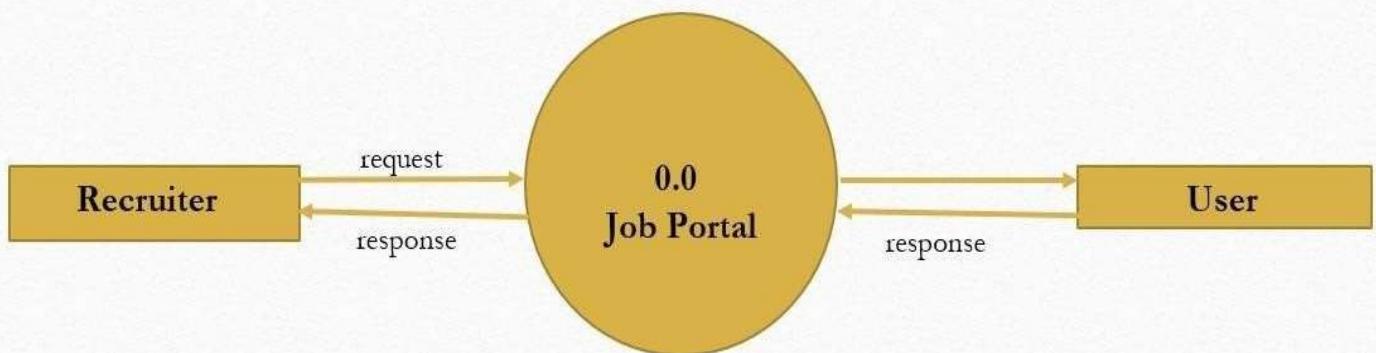


## Flow chart (User)

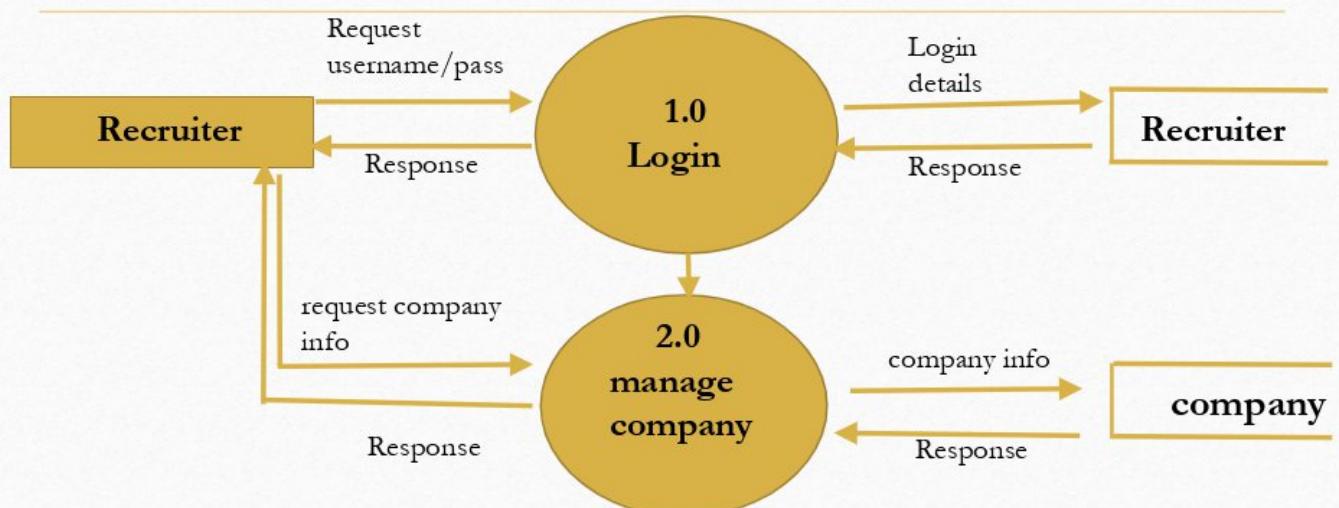


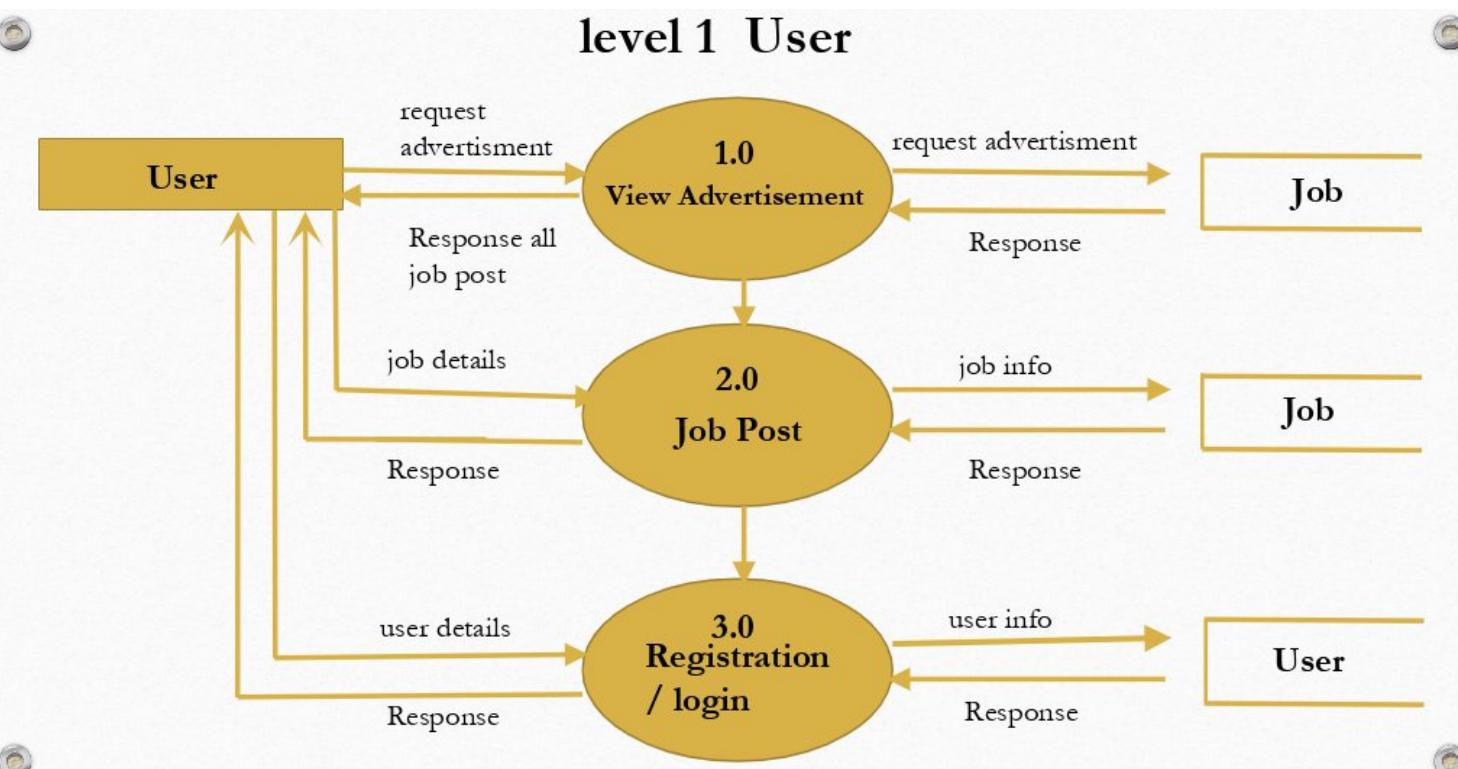
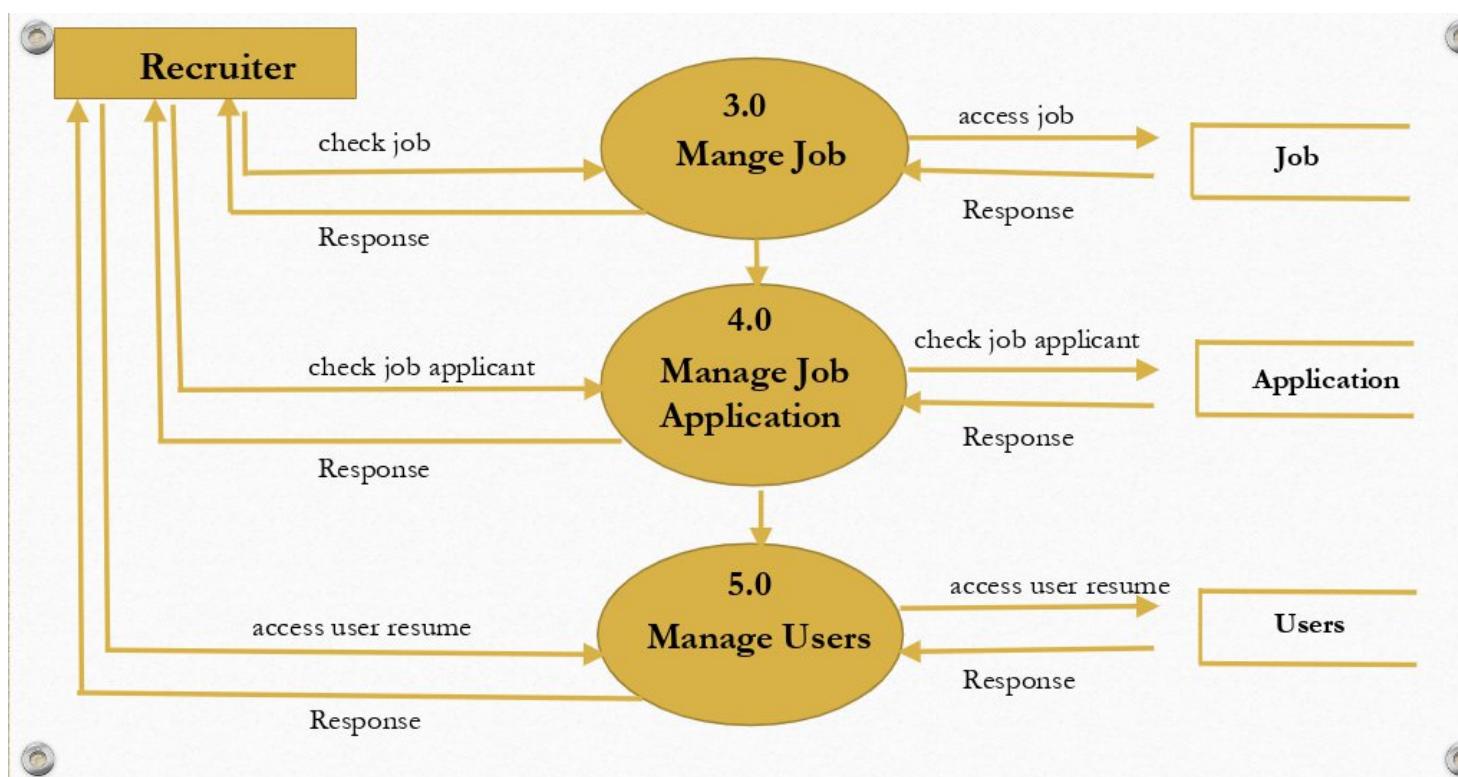
# Data Flow Diagram

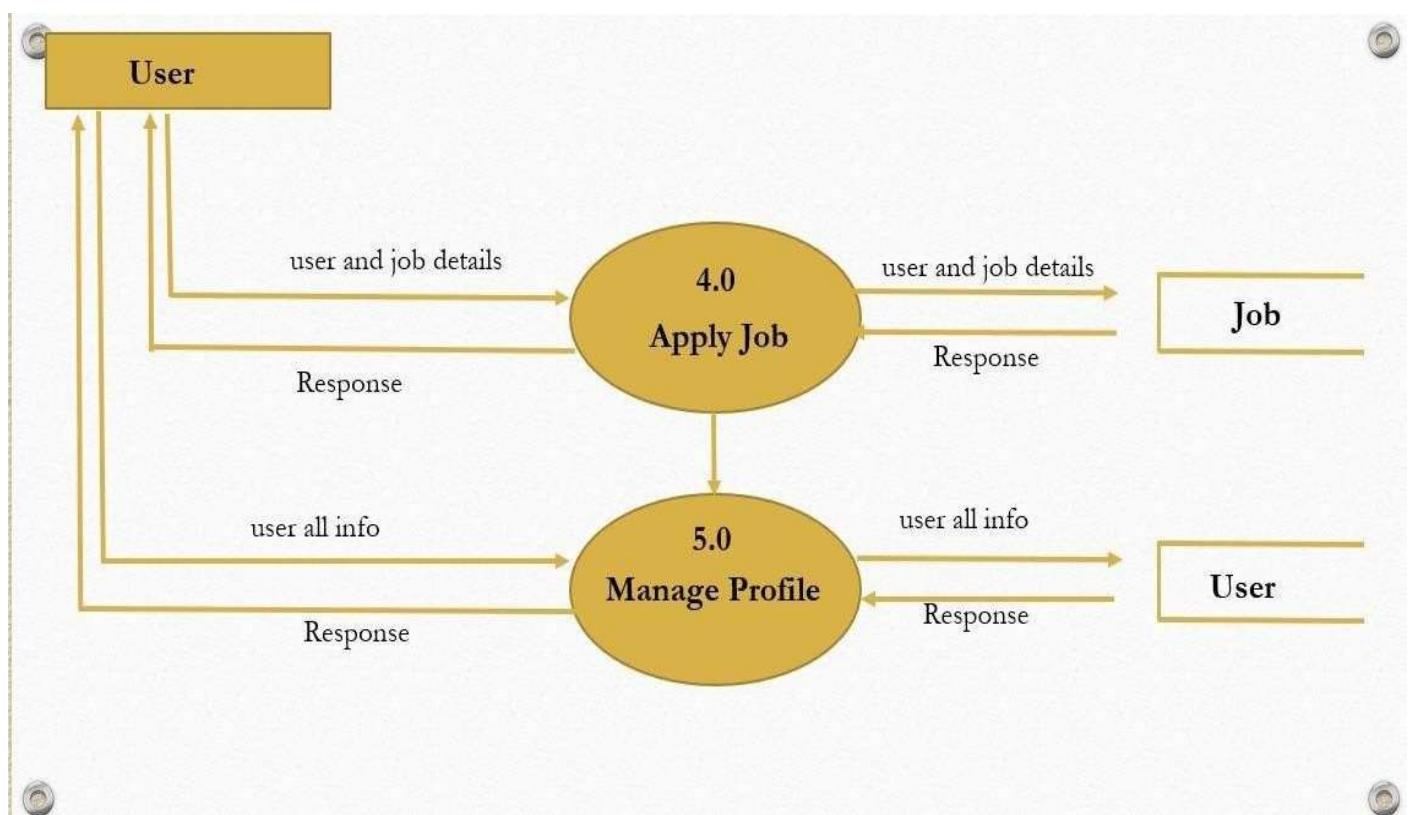
## Context Level



## level 1 Recruiter







# Data Dictionary

Sr. No	Tabel Name
1	application
2	company
3	job
4	user
5	recruiter

## Application Model

Sr	Field Name	Data type	Constraint	Description
1	job	object	reference	job details
2	applicant	object	reference	application details
3	status	string	required	status details
4	timestamps	date	required	current date

## Company Model

Sr	Field Name	Data type	Constraint	Description
1	companyName	string	required	name of company
2	description	string	required	description details
3	location	date	required	location details
4	userId	object	reference	user information
5	timestapms	date	required	current date

## Jobs Model

Sr	Field Name	Data type	Constraint	Description
1	title	string	required	job details
2	description	string	required	description
3	requirement	string array	required	list of skills
4	salary	number	required	salary details
5	location	string	required	location details
6	jobType	string	required	type of job
7	position	number	required	available position
8	company	object	reference	company details
9	experiencelevel	number	required	experience details
10	application	object	reference	job applicant
11	createdBy	object	reference	user information
12	timestapms	date	required	current date

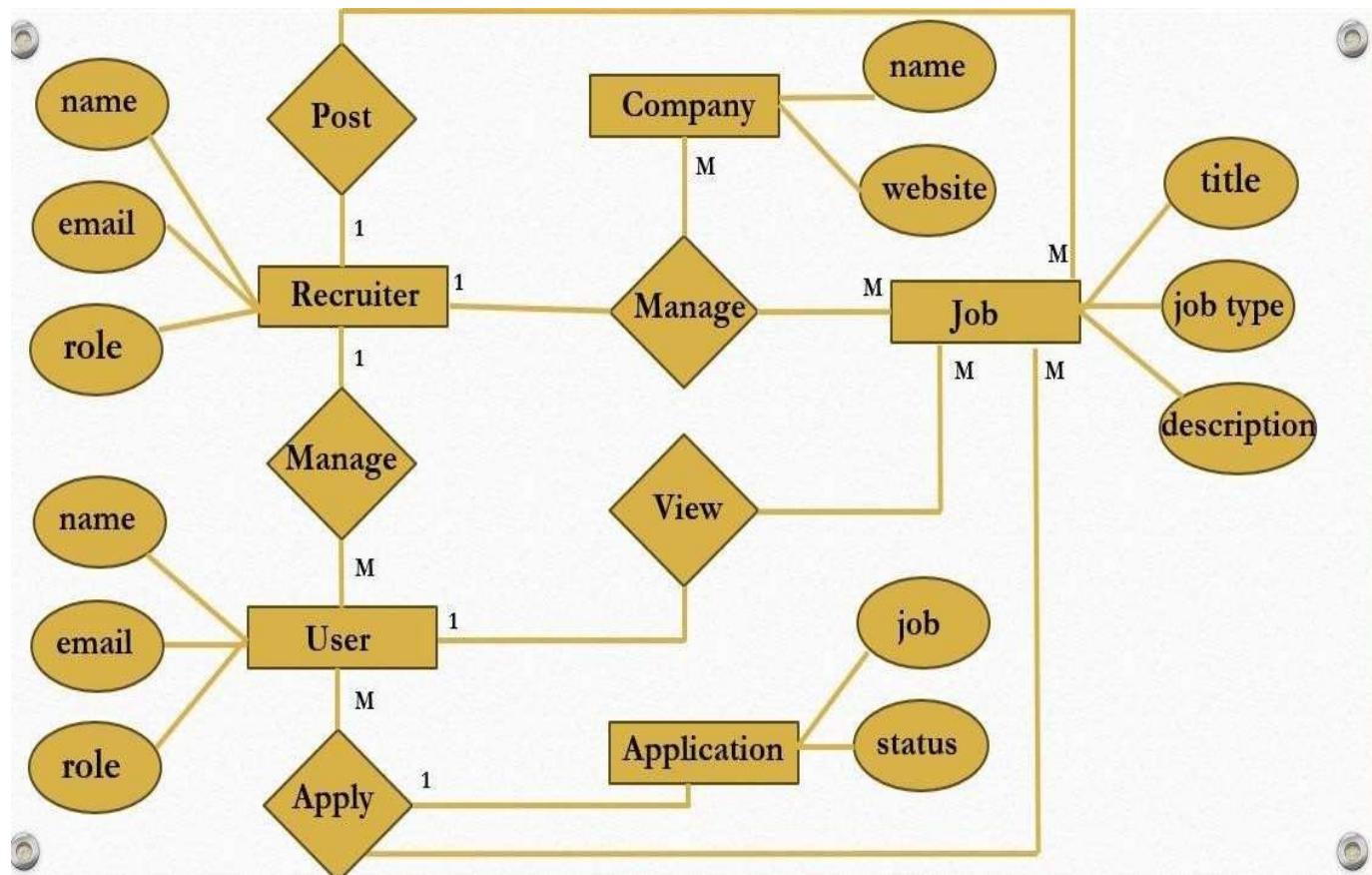
## User Model

Sr	Field Name	Data type	Constraint	Description
1	name	string	required	name of user
2	email	string	unique	email of user
3	phoneNumber	number	required	number of user
4	password	string	required	password details
5	role	string	required	recruiter or jobseeker
6	profile	object	unrequired	profile information
7	timestapms	date	required	current date

## Recruiter Model

Sr	Field Name	Data type	Constraint	Description
1	name	string	required	name of user
2	email	string	unique	email of user
3	phoneNumber	number	required	number of user
4	password	string	required	password details
5	role	string	required	recruiter or jobseeker

# Entity Relationship Diagram



# **Process Description of Recruiter**

## **1. Register :-**

Recruiter Firstly Enter Name,Phone number, Profie photo ,Email & Password. and then go into next process.

## **2. Login :-**

Recruiter Enter Email & Password then the check into the LOGIN then they pass the information into next Process.

## **3. Company dashboard :-**

After Login Admin navigate company dashboard.in company Dashboard page admin can see all company that they add.

## **4. Add Company :-**

Admin enter detail of company that display into company dashboard and job page.

## **5. Job post :-**

After company add then admin post the job into Job page that user can display company.

## **6. Applicant :-**

The **Applicant** section allows the admin to view details about users who have interacted with or displayed interest in their company listings.

## **7. Response:-**

The Response section provides functionalists for recruiter to communicate with applicants and manage their responses effectively.

# **Brief Description of User**

## **1. User Registration and Login:**

- **Registration:**
  - Users can sign up by providing their name, profile photo, email, number, and password.
  - An email verification step may be included for security.
- **Login:**
  - Users can log in using their registered email and password.
  - Support for "Forgot Password" to reset their credentials.

## **2. Profile Management:**

- **Users can create and update their profiles by providing:**
  - Personal details (e.g., name, bio, contact info).
  - Professional details (e.g. skills, educational).
  - Uploading a resume or CV for application purposes.

## **3. Job Search and Application:**

- **Browse Job Listings:**
  - Users can search for jobs using filters such as location, salary, job type (Hybrid/Full time/WOF) or company name.
- **View Job Details:**
  - Users can view detailed descriptions of job roles, requirements, and company profiles.
- **Apply for Jobs:**
  - Users can submit applications directly through the portal by clicking the "Apply" button. Option to attach their uploaded resume.

# Process Algorithm

## ➤ Recruiter Side:

**Step 1 :- Start**

**Step 2 : recruiter input email and password**

**Step 3 :- if valid: redirect to recruiter dashboard else display error message.**

**Step 4 :- recruiter add company and job posting.**

**Step 5 :- Edit company**

**Step 6 :- Edit Job**

**Step 7 :- manage applicants**

**Step 8 :- give response of the applicant like (accepted,rejected or pending)**

**Step 9 :- Logout**

**Step 10 :- Exit**

## ➤ User Side:

**Step 1 :- Start**

**Step 2 : user input email and password**

**Step 3 :- if valid: redirect to recruiter dashboard else display error message.**

**Step 4 :- user view Jobs application.**

**Step 5 :- apply job application if resume is upload if not then upload resume.**

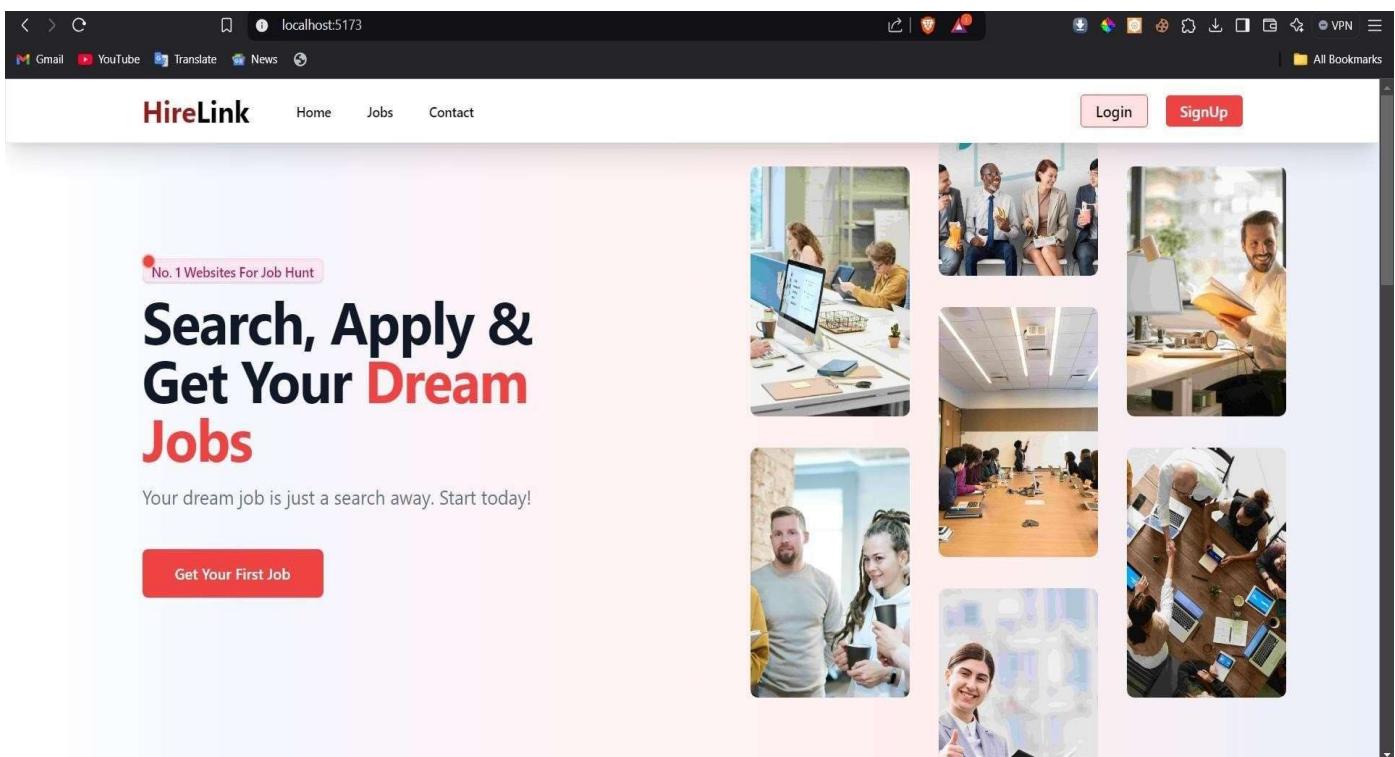
**Step 6 :- waiting for response.**

**Step 7 :- Logout**

**Step 8 :- Exit**

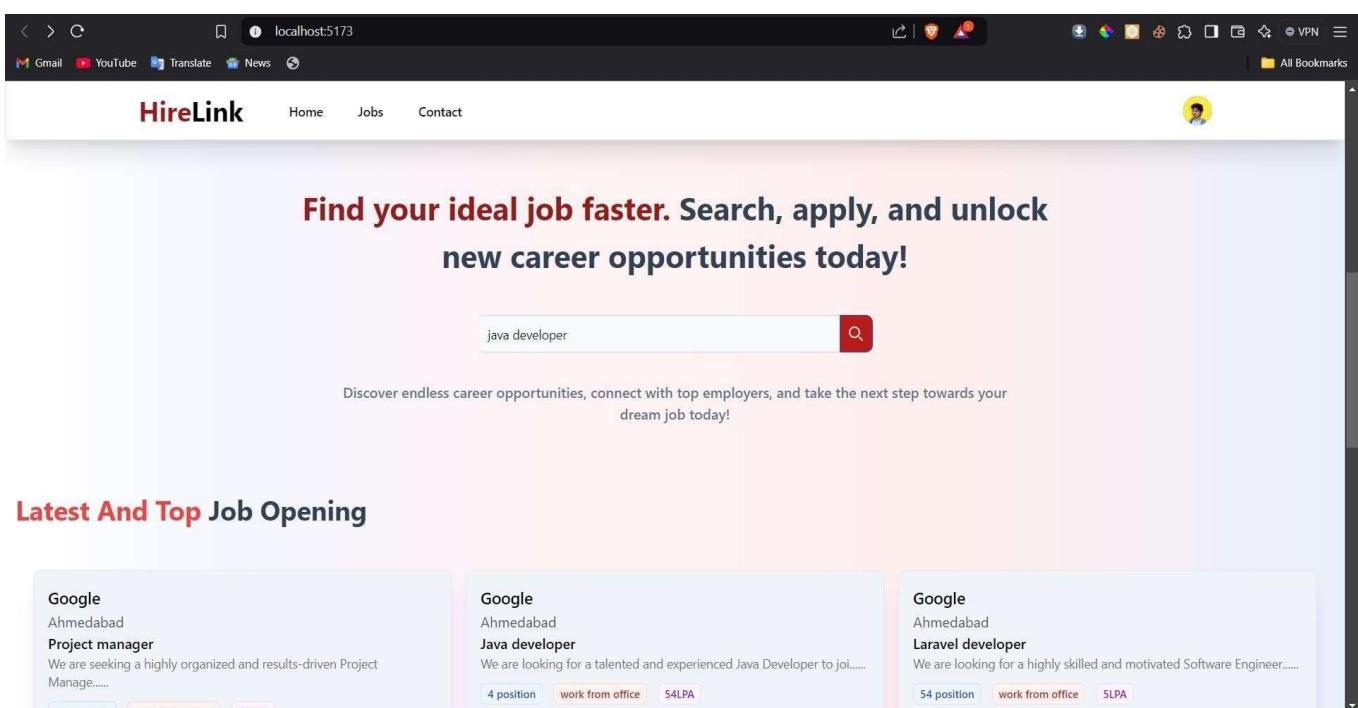
# Input Design (User)

## Home Page



The screenshot shows the homepage of a job search website named 'HireLink'. At the top, there's a navigation bar with links for 'Home', 'Jobs', and 'Contact', along with 'Login' and 'SignUp' buttons. A banner on the left claims 'No. 1 Websites For Job Hunt' and features the tagline 'Search, Apply & Get Your Dream Jobs'. Below this, a sub-tagline reads 'Your dream job is just a search away. Start today!'. A prominent red button labeled 'Get Your First Job' is centered. To the right, there's a grid of nine smaller images showing various professional scenes like office workers, meetings, and people at desks.

## Home Page search



This screenshot shows the search results page of the 'HireLink' website. The main heading is 'Find your ideal job faster. Search, apply, and unlock new career opportunities today!'. A search bar contains the query 'java developer'. Below the search bar, a sub-headline encourages users to 'Discover endless career opportunities, connect with top employers, and take the next step towards your dream job today!'. The page then displays three job listing cards for Google positions:

- Google Ahmedabad Project manager**: We are seeking a highly organized and results-driven Project Manager.....  
42 position work from office 45LPA
- Google Ahmedabad Java developer**: We are looking for a talented and experienced Java Developer to join.....  
4 position work from office 54LPA
- Google Ahmedabad Laravel developer**: We are looking for a highly skilled and motivated Software Engineer.....  
54 position work from office 54LPA

## Home Page latest job opening

The screenshot shows the HireLink home page with a grid of job listings. Each listing includes the company name, location, position title, a brief description, and filters like 'work from office' or 'remote'. Buttons for 'Show details' are present in each listing.

Company	Location	Position	Description	Filters	Action
Google	Ahmedabad	Project manager	We are seeking a highly organized and results-driven Project Manager.....	43 position work from office 45LPA	Show details
Google	Ahmedabad	Java developer	We are looking for a talented and experienced Java Developer to join.....	4 position work from office 54LPA	Show details
Google	Ahmedabad	Laravel developer	We are looking for a highly skilled and motivated Software Engineer.....	54 position work from office 5LPA	Show details
Google	Jamnagar	Software engineer	We are looking for a highly skilled and motivated Software Engineer.....	5 position hybrid 5LPA	Show details
ACI International Company	Jamnagar	PHP developer	We are looking for a skilled PHP Developer to join our development .....	30 position work from office 5LPA	Show details
ACI International Company	Dwarka	Backend developer	We are seeking a talented and motivated Backend Developer to join .....	5 position remote 3LPA	Show details
ACI International Company	Ahmedabad	Software Developer	ACI International is seeking a talented Software Developer to join .....		
ACI International Company	Dwarka	DevOps Developer	ACI International is seeking a talented DevOps Developer to join .....		

## Jobs Page

The screenshot shows the HireLink jobs page with a sidebar for filtering and a main area displaying job cards. The sidebar allows users to apply filters for 'Work Mode' (Work from Office, hybrid, Remote), 'Experience' (3, 6, 9, 15, 20, 25, 30, 35 years), and 'Salary'. The main area shows two job listings: 'Project manager' at Google with a 4-year experience requirement and 'Java developer' at Google with a 4-year experience requirement. Both listings include a 'See Details' button.

9 Jobs Sort by: Recommended

All Filters Show Result

Work Mode

○ Work from Office  
○ hybrid  
○ Remote

Experience

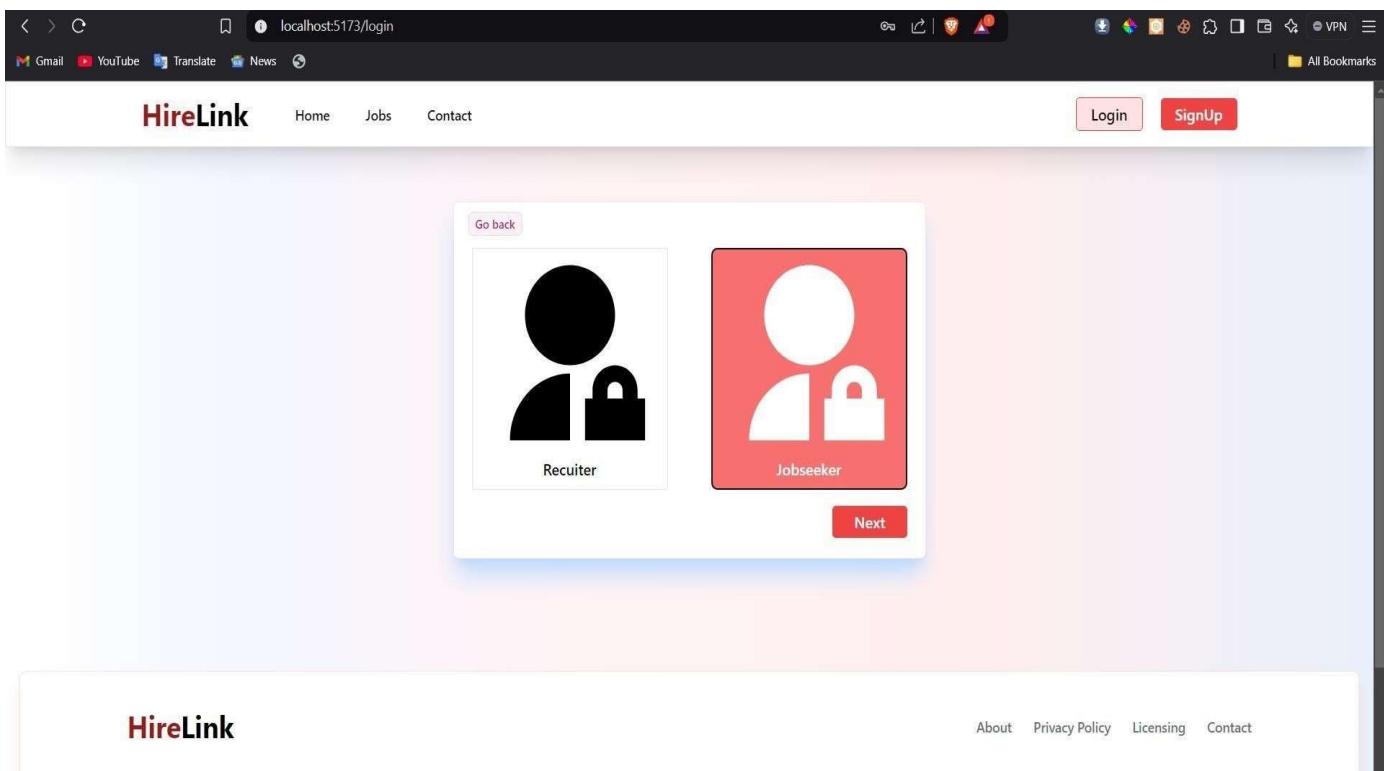
○ 3  
○ 6  
○ 9  
○ 15  
○ 20  
○ 25  
○ 30  
○ 35

Salary

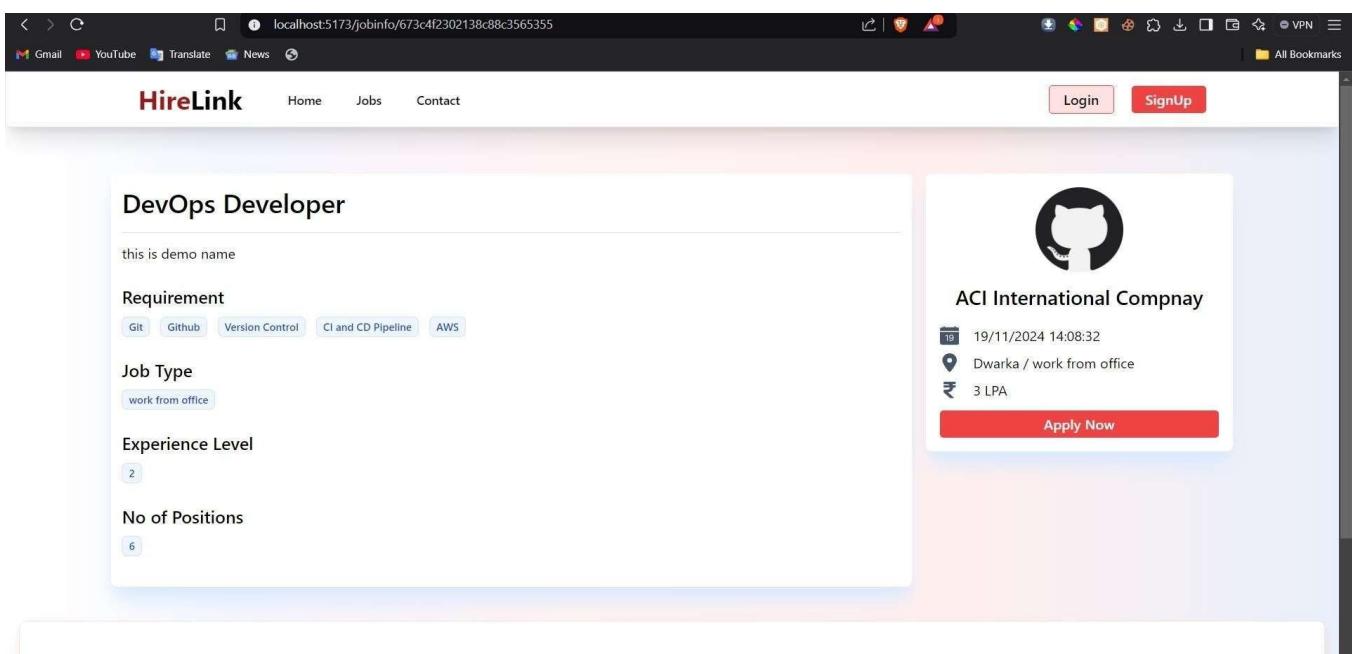
Project manager  
Google  
4 Yrs | ₹ 45 LPA Ahmedabad  
We are seeking a highly organized and results-driven Project Manager to lead and manage ke.....  
19/11/2024 15:34:52  
See Details

Java developer  
Google  
4 Yrs | ₹ 54 LPA Ahmedabad  
We are looking for a talented and experienced Java Developer to join our development team.....  
19/11/2024 15:32:21  
See Details

## register page choice



## Jobs post page



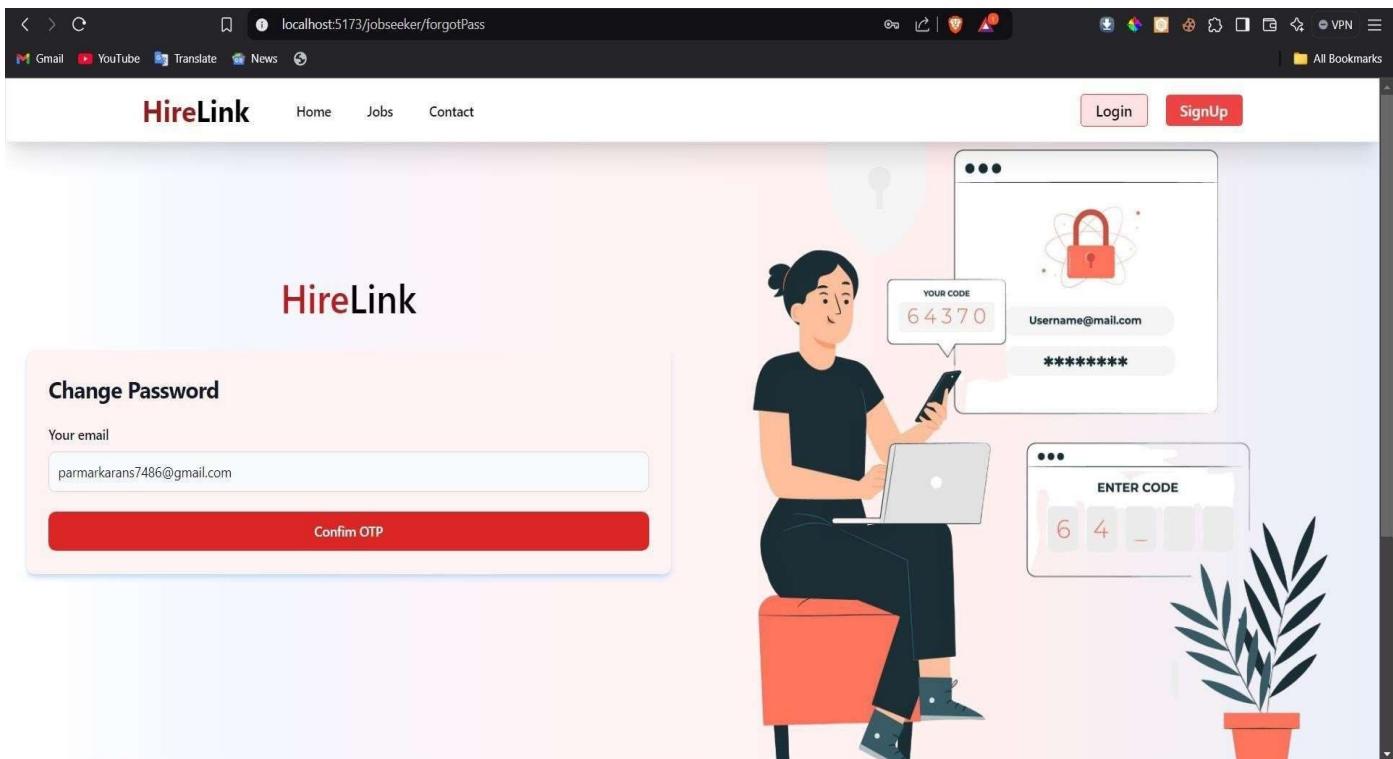
## register for user

The screenshot shows a web browser window with the URL `localhost:5173/jobseeker/register`. The page title is "HireLink". At the top right are "Login" and "SignUp" buttons. The main content area has a heading "Sign Up As A Jobseeker". It contains fields for "Full Name" (karan parmar), "Phone Number" (1234567890), "Email address" (parmarkarans7486@gmail.com), "Password" (three dots), and "Profile Photo" (choose file). A red "Sign up" button is at the bottom.

## login for user

The screenshot shows a web browser window with the URL `localhost:5173/jobseeker`. The page title is "HireLink". At the top right are "Login" and "SignUp" buttons. The main content area has a heading "Login As A Jobseeker". It contains fields for "Email address" (parmarkarans7486@gmail.com), "Password" (three dots), and a "Forgot password?" link. A red "Sign in" button is at the bottom. Below it, a message says "Already have jobseeker account? [Register Here](#)".

## forget password page for user

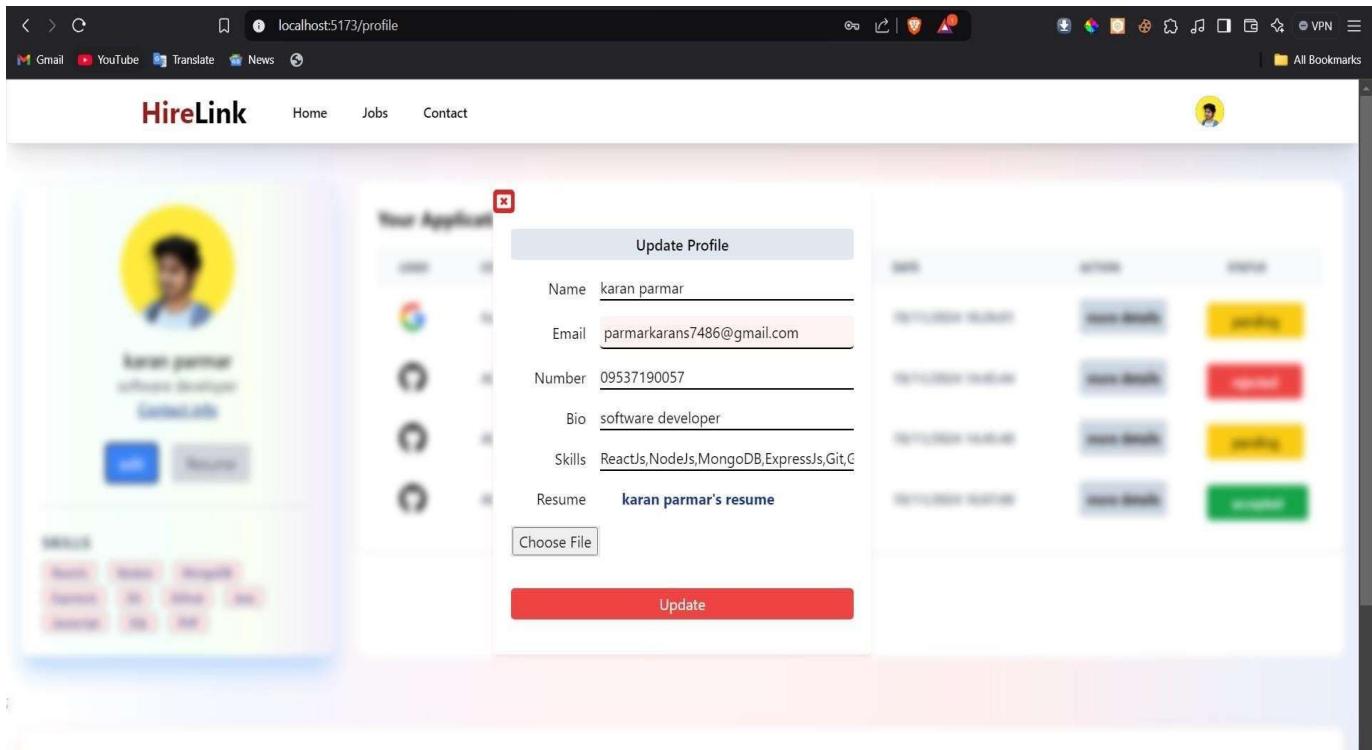


## profile page

The screenshot shows a web browser window for 'HireLink' at the URL 'localhost:5173/profile'. The header is identical to the previous page. The main content area is divided into sections. On the left, there's a profile card for 'karan parmar' (software developer), featuring a yellow circular profile picture, a 'Contact info' link, and 'edit' and 'Resume' buttons. Below this is a 'SKILLS' section with tags like ReactJS, NodeJS, MongoDB, ExpressJS, Git, Github, Java, Javascript, SQL, and PHP. On the right, there's a 'Your Applications' table with the following data:

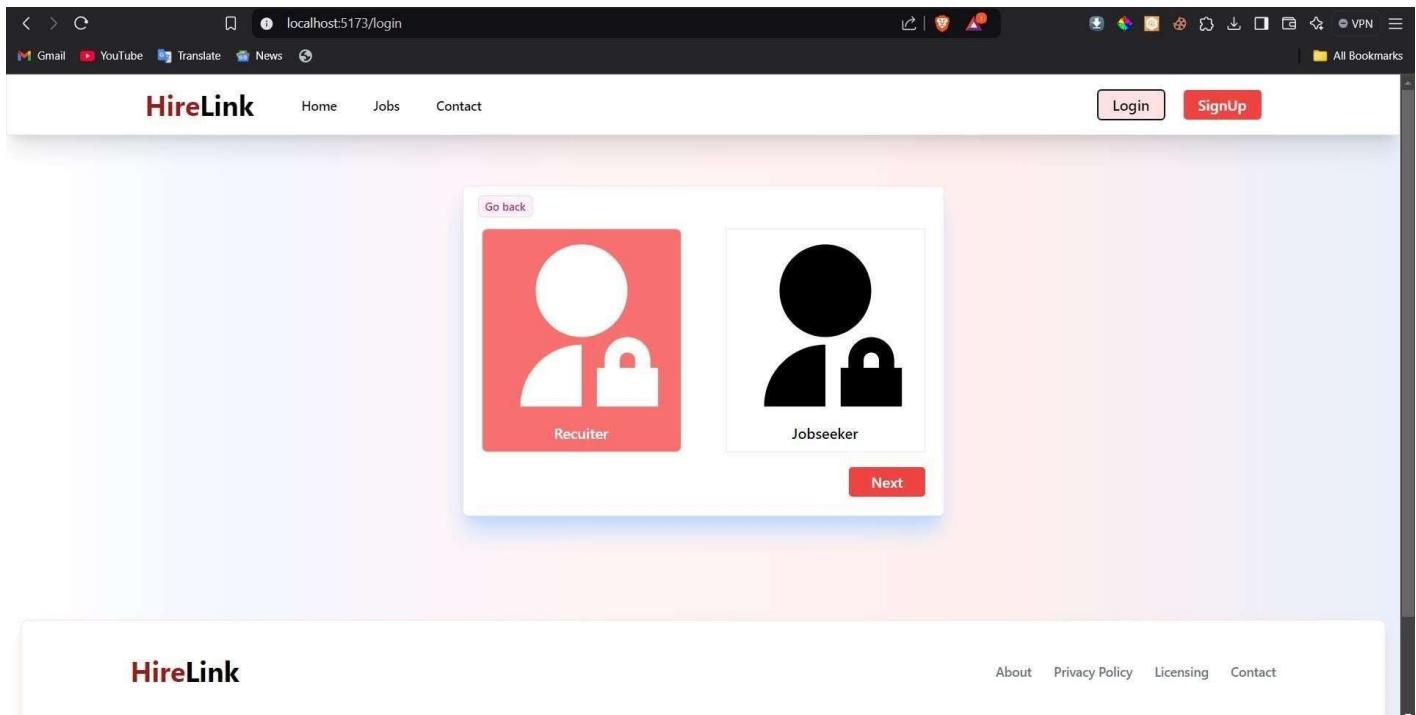
LOGO	COMPANY NAME	ROLE	DATE	ACTION	STATUS
	Google	Project manager	19/11/2024 18:26:01	<a href="#">more details</a>	Pending
	ACI International Company	Software Developer	19/11/2024 14:45:44	<a href="#">more details</a>	Rejected
	ACI International Company	Frontend Developer	19/11/2024 14:45:40	<a href="#">more details</a>	Pending
	ACI International Company	DevOps Developer	19/11/2024 16:07:00	<a href="#">more details</a>	Accepted

## update profile page

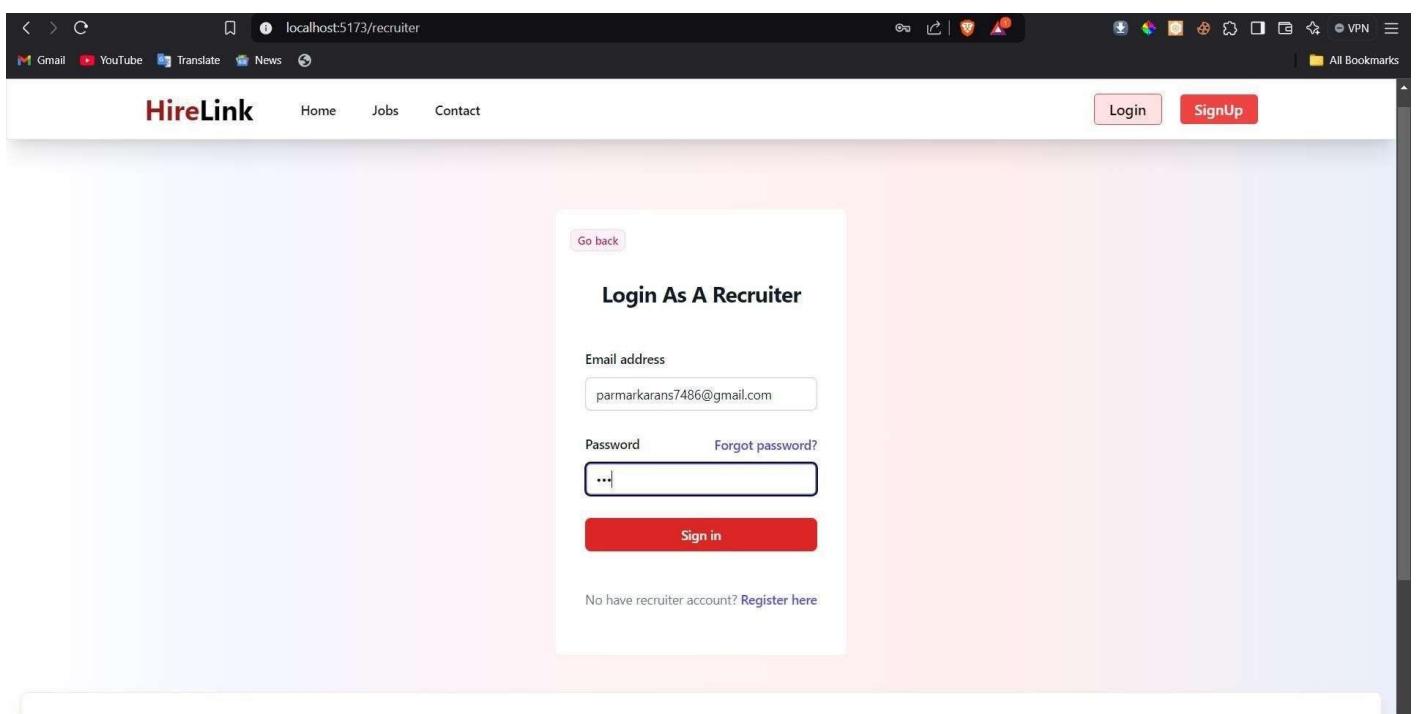


# Input Design (Recruiter)

## Recruiter selection



## Recruiter login



## Recruiter register

The screenshot shows a web browser window with the URL `localhost:5173/recruiter/register`. The page title is "HireLink". The main content area has a pink gradient background and features a "Sign Up As A Recruiter" heading. It contains five input fields: "Full Name" (value: "karan parmar"), "Phone Number" (value: "1234567890"), "Email address" (value: "parmarkarans7486@gmail.com"), "Password" (value: "..."), and "Profile Photo" (button: "Choose File" with file path "WhatsApp ...1.27 PM.jpeg"). Below these fields is a red "Sign up" button.

## Recruiter dashboard

The screenshot shows a web browser window with the URL `localhost:5173/recruiter/home`. The page title is "HireLink". The main content area has a pink gradient background and displays a table of companies. The table has columns: LOGO, COMPANY NAME, DESCRIPTION, LOCATION, and ACTION. There are two rows of data:

LOGO	COMPANY NAME	DESCRIPTION	LOCATION	ACTION
	ACI International Company	ACI International is.....	Dwarka	<button>Update</button>
	Google	Google LLC is a glob.....	Dwarka	<button>Update</button>

## company register

A screenshot of a web browser showing the 'Add Company' form. The URL is `localhost:5173/recruiter/add/company`. The form fields are as follows:

- Name: google
- Description: demo descriptions
- Location: ahmedabad
- Logo: Choose File WhatsApp I...1.27 PM.jpeg

The form has a red 'Create Company' button at the bottom.

## company update

A screenshot of a web browser showing the 'Update Company' form. The URL is `localhost:5173/recruiter/company/update/673c4e8802138c88c356534f`. The form fields are as follows:

- Name: ACI International Compnay
- Description: ACI International is a leading global provider of cutting-edge technology solutions, specializing in advanced IT services and products tailor...
- Location: Dwarka
- Logo: Choose File No file chosen

The form has a red 'Update Company' button at the bottom. A GitHub logo is displayed above the logo input field.

## job page

A screenshot of a web browser displaying a job listing page. The page has a header with the 'HireLink' logo and navigation links for 'Home', 'job', and 'Contact'. On the right, there is a user profile icon and a red 'Add Job' button. The main content is a table with five columns: LOGO, COMPANY NAME, ROLE, DATE, and ACTION. There are four rows of data, each representing a job posted by 'ACI International Company'. The first job is a 'DevOps Developer' posted on '19/11/2024 14:11:07'. The second is a 'Software Developer' posted on '19/11/2024 14:15:50'. The third is a 'Frontend Developer' posted on '19/11/2024 14:18:39'. The fourth is a 'Backend developer' posted on '19/11/2024 15:23:56'. Each row has two buttons in the 'ACTION' column: a yellow 'edit' button and a blue 'applicant' button.

LOGO	COMPANY NAME	ROLE	DATE	ACTION
	ACI International Company	DevOps Developer	19/11/2024 14:11:07	<button>edit</button> <button>applicant</button>
	ACI International Company	Software Developer	19/11/2024 14:15:50	<button>edit</button> <button>applicant</button>
	ACI International Company	Frontend Developer	19/11/2024 14:18:39	<button>edit</button> <button>applicant</button>
	ACI International Company	Backend developer	19/11/2024 15:23:56	<button>edit</button> <button>applicant</button>

## add job

A screenshot of a web browser displaying a 'Add Job' form. The page has a header with the 'HireLink' logo and navigation links for 'Home', 'job', and 'Contact'. On the right, there is a user profile icon. A 'Go back' button is located at the top left of the form. The form itself has a title 'Add Job' and several input fields. The fields are arranged in pairs: Title (software developer) and Description (demo descriptions), Requirements (java, JavaScript, JPA) and Salary (4), Location (ahemdabad) and Job Type (hybrid), Experience Level (3) and Number of Positions (53). Below these is a dropdown menu set to 'ACI International Company'. At the bottom is a large red 'Add Job' button.

Go back

### Add Job

Title	Description
software developer	demo descriptions
Requirements	Salary
java, JavaScript, JPA	4
Location	Job Type
ahemdabad	hybrid
Experience Level	Number of Positions
3	53
ACI International Company	

**Add Job**

## update job

A screenshot of a web browser showing the 'Add Job' form. The URL is `localhost:5173/recruiter/job/update/673c4f2302138c88c3565355`. The form fields include:

Title	Description
DevOps Developer	ACI International is seekin
Requirements	Salary
Git,Github,Version Contro	3
Location	Job Type
Dwarka	work from office
Experience Level	Number of Positions
2	6
Select company	
<a href="#">Update Job</a>	

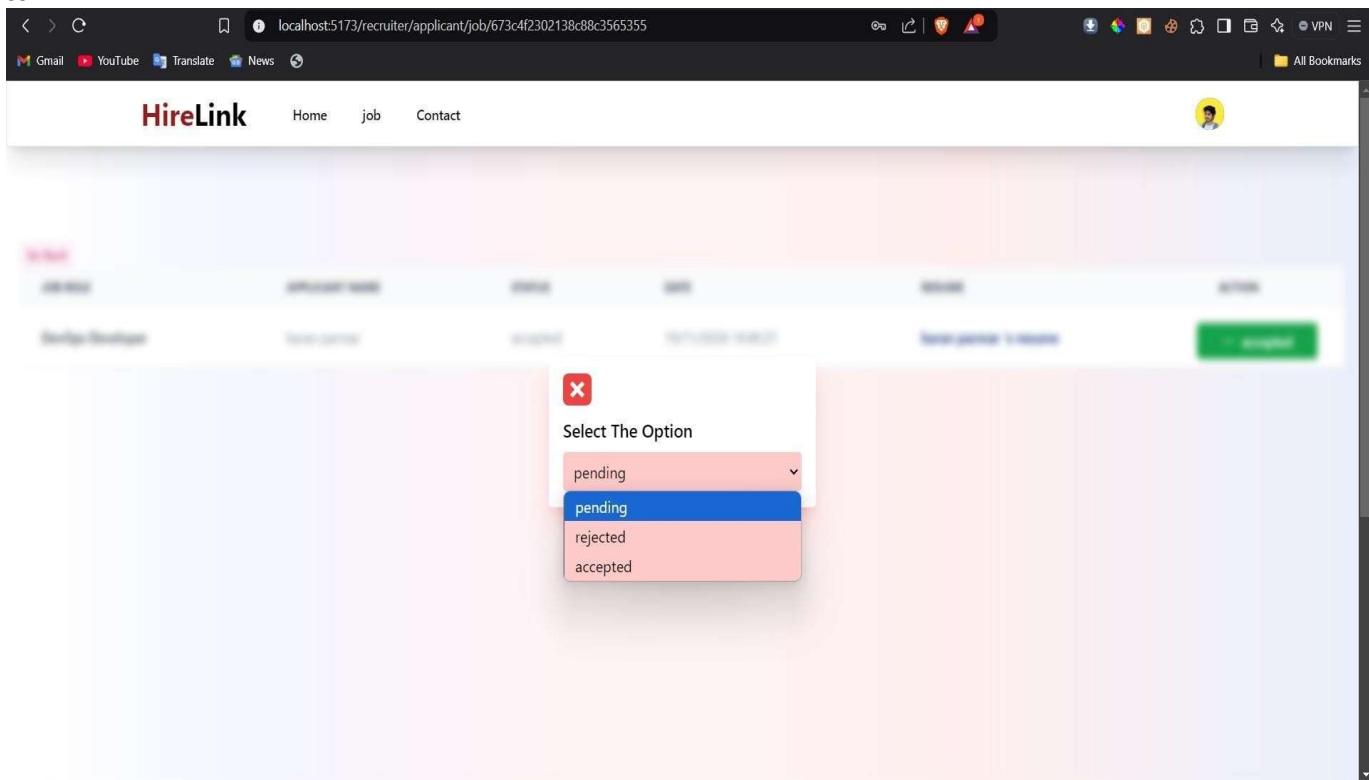
## job applicant page

A screenshot of a web browser showing the 'job applicant page'. The URL is `localhost:5173/recruiter/applicant/job/673c4f2302138c88c3565355`. The table displays the following data:

JOB ROLE	APPLICANT NAME	STATUS	DATE	RESUME	ACTION
DevOps Developer	karan parmar	accepted	19/11/2024 14:40:27	<a href="#">karan parmar 's resume</a>	<a href="#">... accepted</a>

## job applicant response

SS



# Testing

We have use following method for testing the system.

## **Specification Testing :-**

- The specification testing is what program does in some various condition is.
- we check this system to give wrong username ,password, wrong data then system display message for input correct data.

## **Code Testing:-**

- The code testing is examining the logic of program.
- we have testing all path of program, path means to specific combination of condition that handle by program.

## **Unit Testing:-**

- Unit testing is focused on verifying small portion of functionality. Unit testing is important part where each module and process of application is to be test by possible input sets and desired output.
- we have check different type of modules like admin module, Visitor module etc..

## **Future Enhancement**

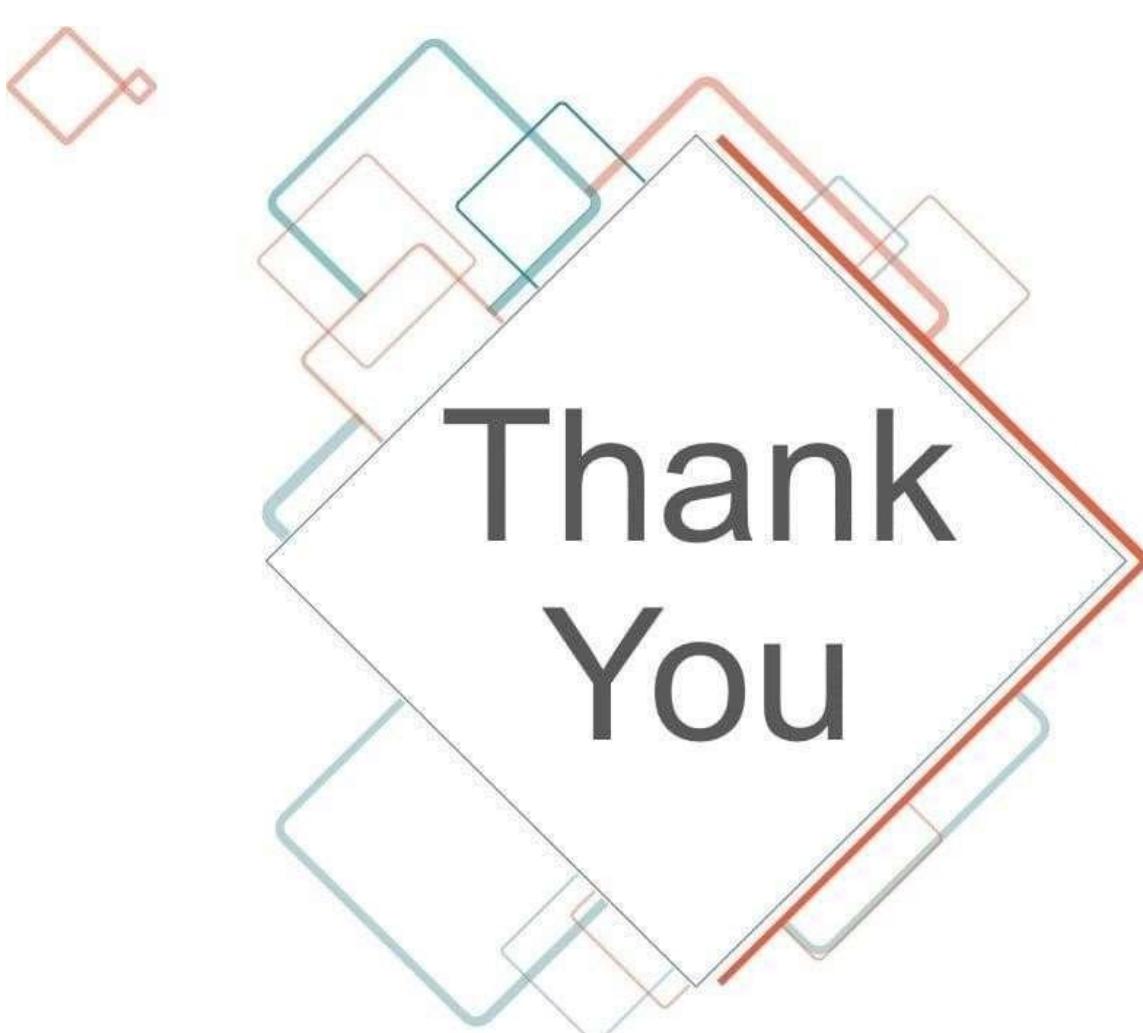
Some are the expansion which we have thought of are:

- Try for to make system more user friendly.
- Improve search Facility.
- make it like linkedin platform where user can see the company through search and visit any user profile like linkedin.

# Bibliography

## ❖ Websites

- ❖ [www.google.com](http://www.google.com)
- ❖ [www.W3School.com](http://www.W3School.com)
- ❖ [www.stackoverflow.com](http://www.stackoverflow.com)
- ❖ [geeksforgeeks](http://geeksforgeeks)
- ❖ [Pro MERN stack](http://Pro MERN stack)
- ❖ [MERN stack development express](http://MERN stack development express)



**Thank  
You**