Ganpat University
॥ विद्यया समाजोत्कर्षः ॥

A.M. Patel Institute of Computer Studies

A PROJECT REPORT ON ONLINE

Job Portal WEBSITE

Submitted by:

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Guided by:

Prof.**Falguni Suthar**

Submitted To:

Acharya Motibhai Patel Institute Of Computer Studies Ganpat University, Kherva 384012.

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A.M. Patel Institute of Computer Studies

Acharya Motibhai PatelInstitute Of Computer Studies Ganpat University, Kherva 384012.

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 **U35A5SDP-I** in BCA Semester V in the year 2023-2024.

No	Name	Enrollment No
1.	Mihir Prajapati	22032211205
2.	Karan Parmar	22032211123

Internal Guide	**Program Co-ordinator**	**Principal**
Prof. Falguni Suthar	Dr. Savan Patel	Dr. Nirbhay Chaubey

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 own 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 usan 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

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

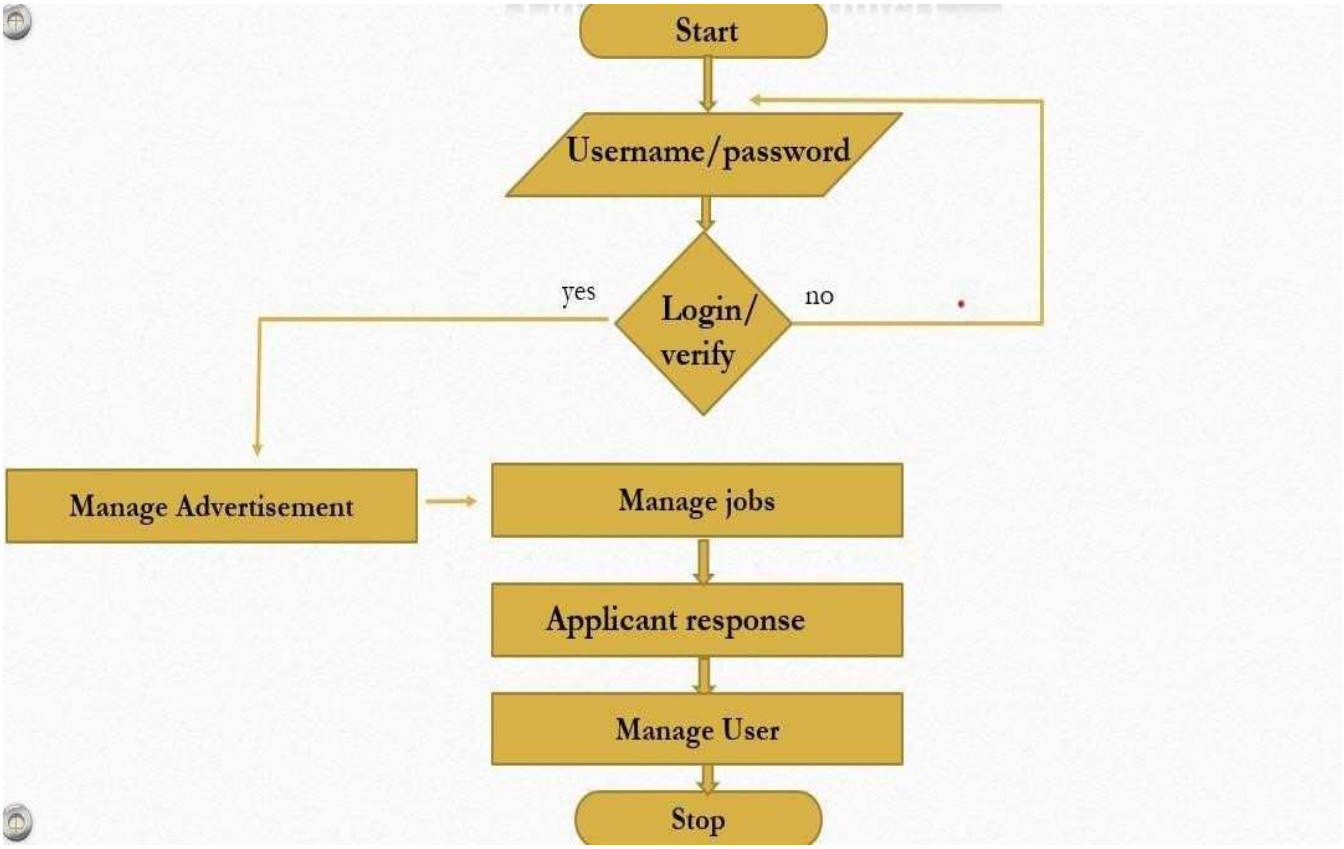
HARDWARE:

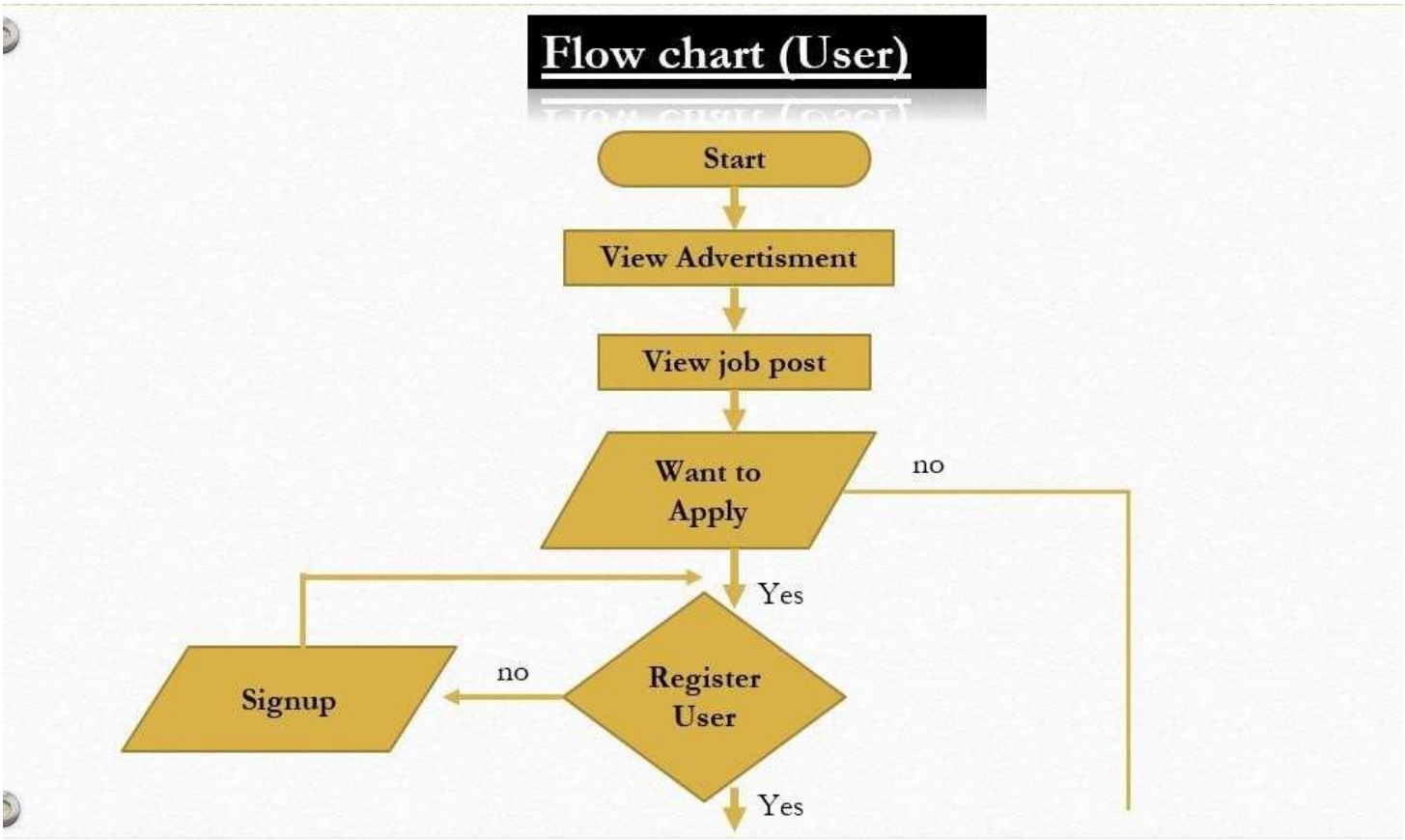
- **Processor : Intel core i3 or above**
- **Ram : 2GB or above**
- **Hard-Disk : 256GB or above**

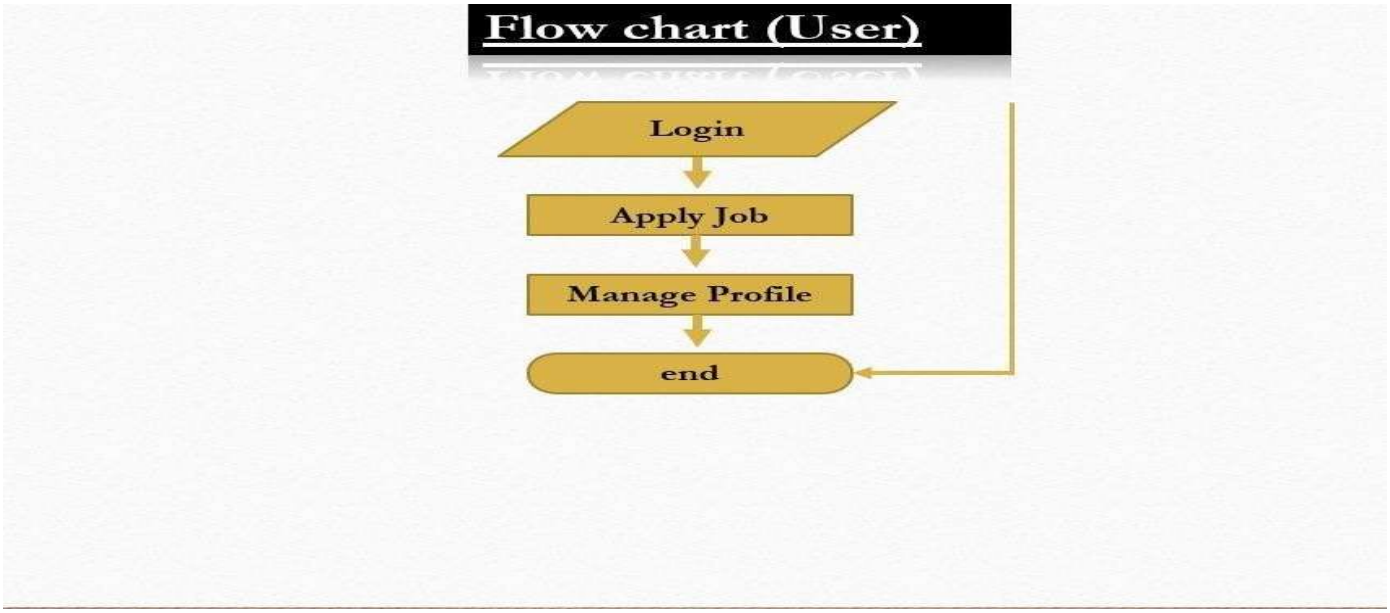
SOFTWARE:

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

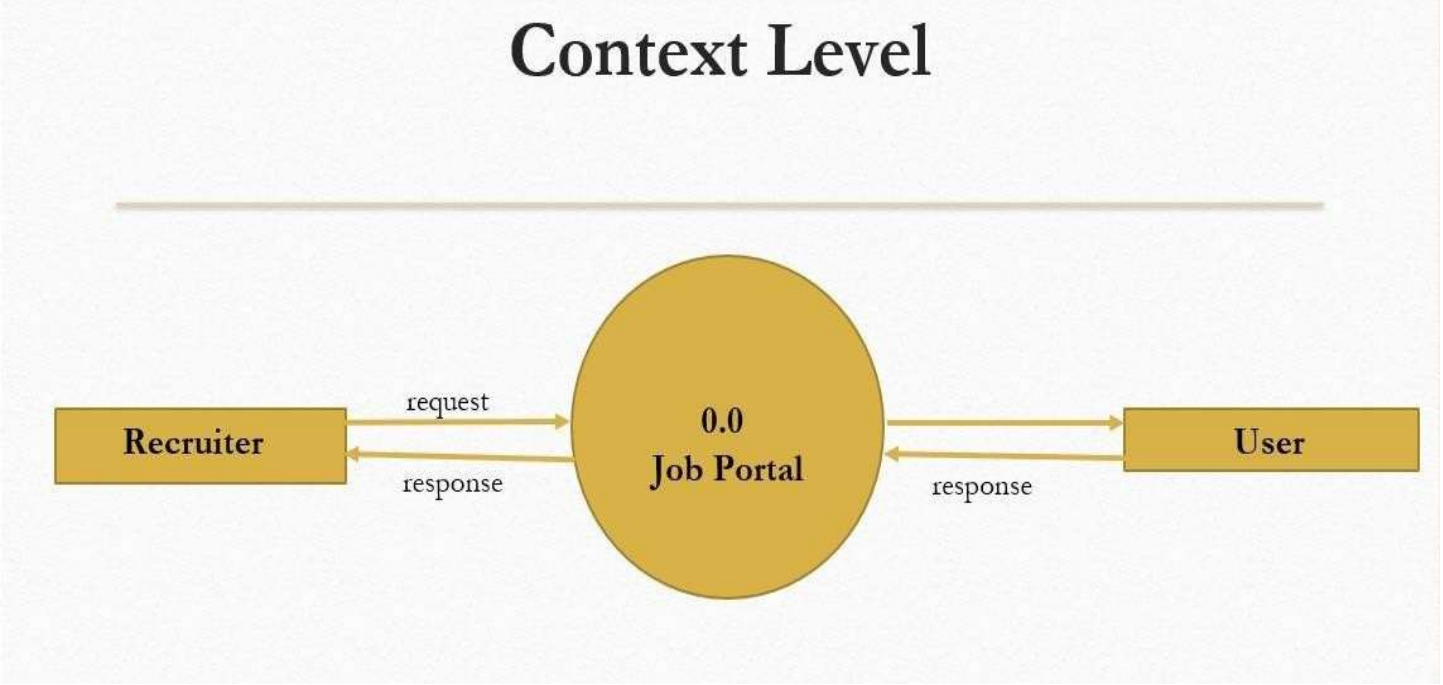
Flowchart

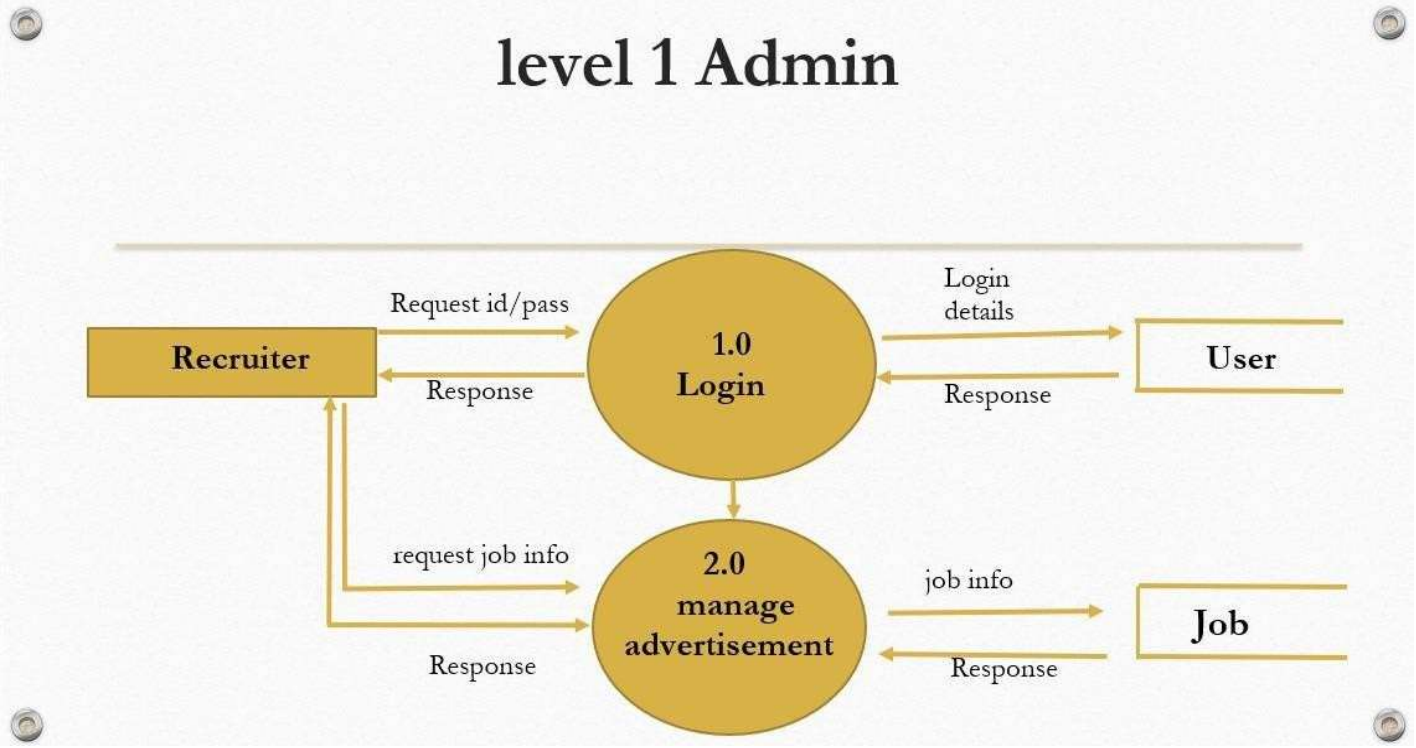

Start
Username/password
Login/ verify
yes
no
Manage Advertisement
Manage jobs
Applicant response
Manage User
Stop

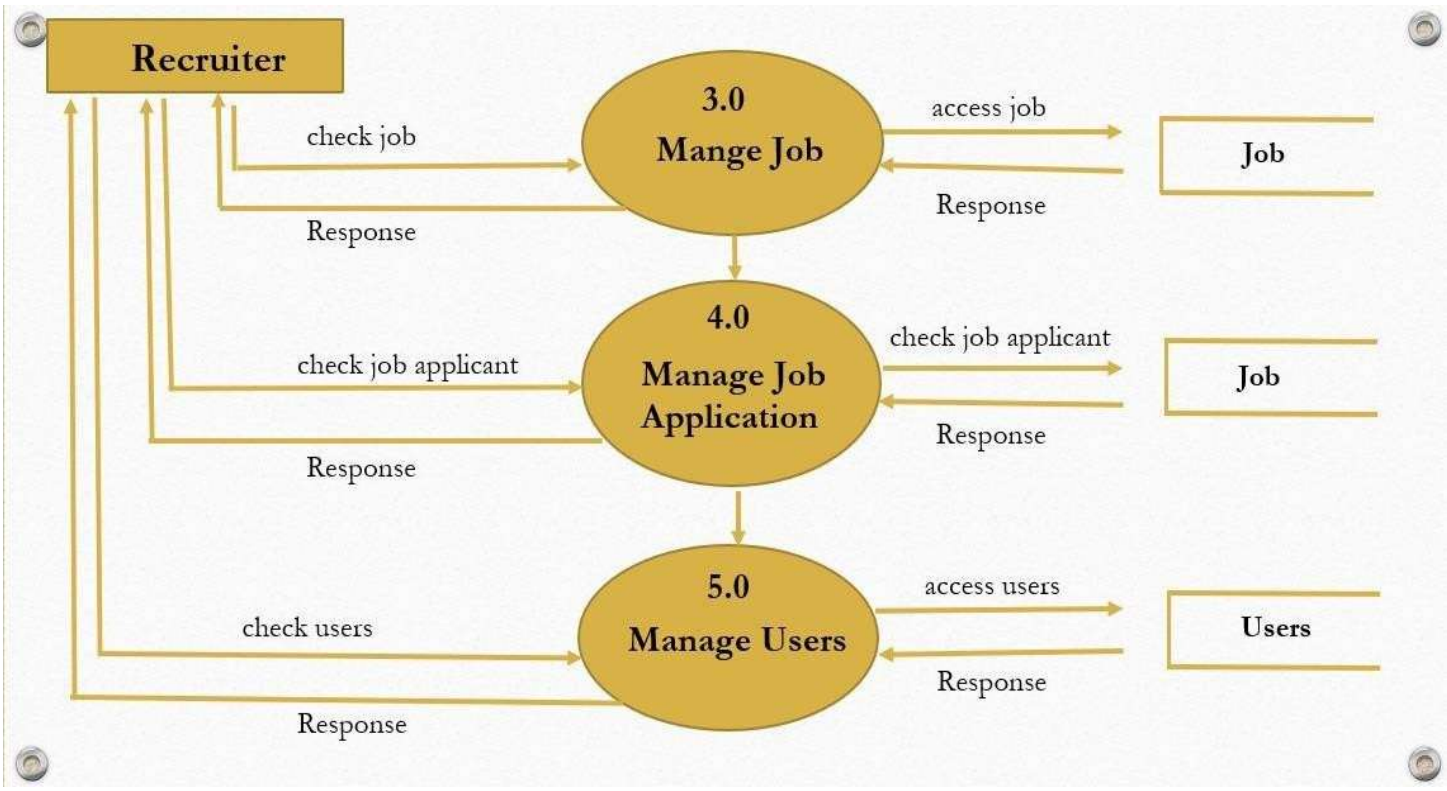

Flow chart (User)
Start
View Advertisment
View job post
Want to Apply
no
Yes
Register User
no
Signup
Yes

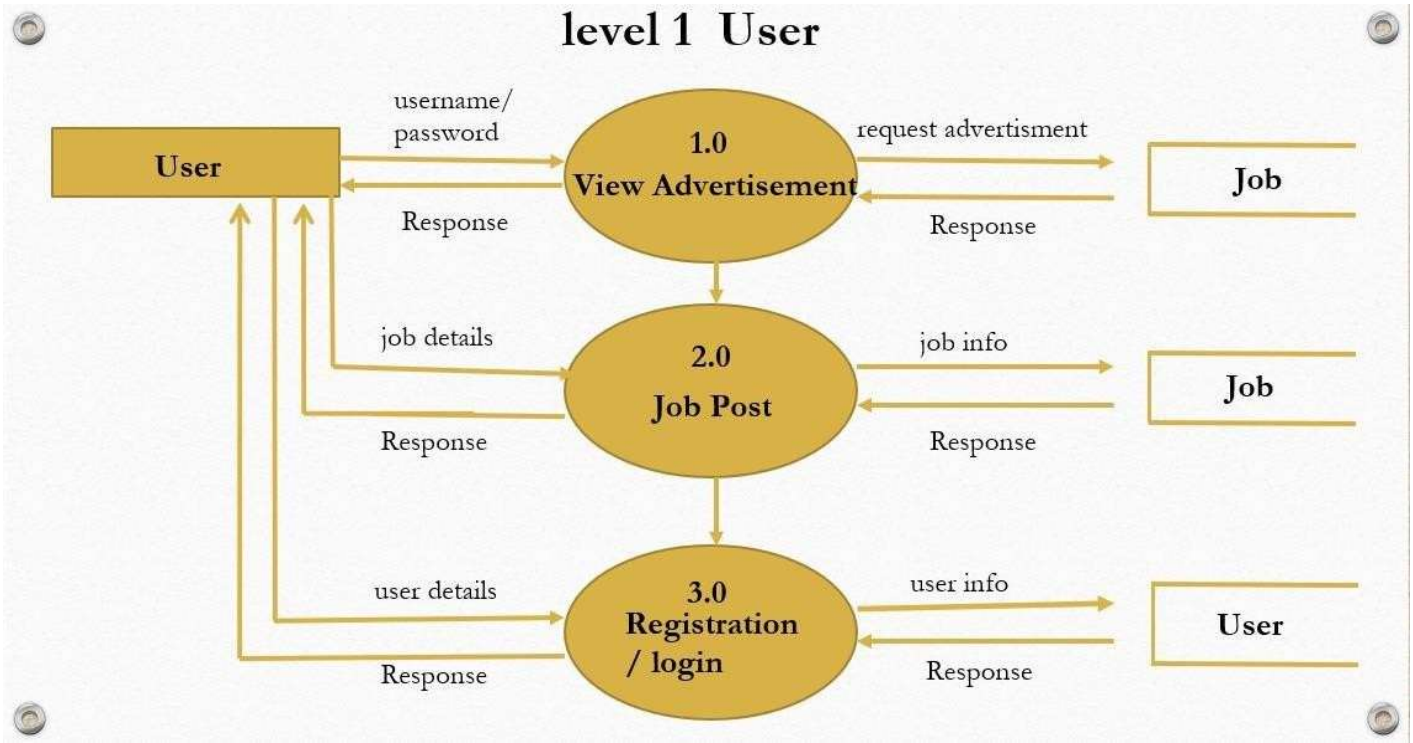

Flow chart (User)
Login
Apply Job
Manage Profile
end

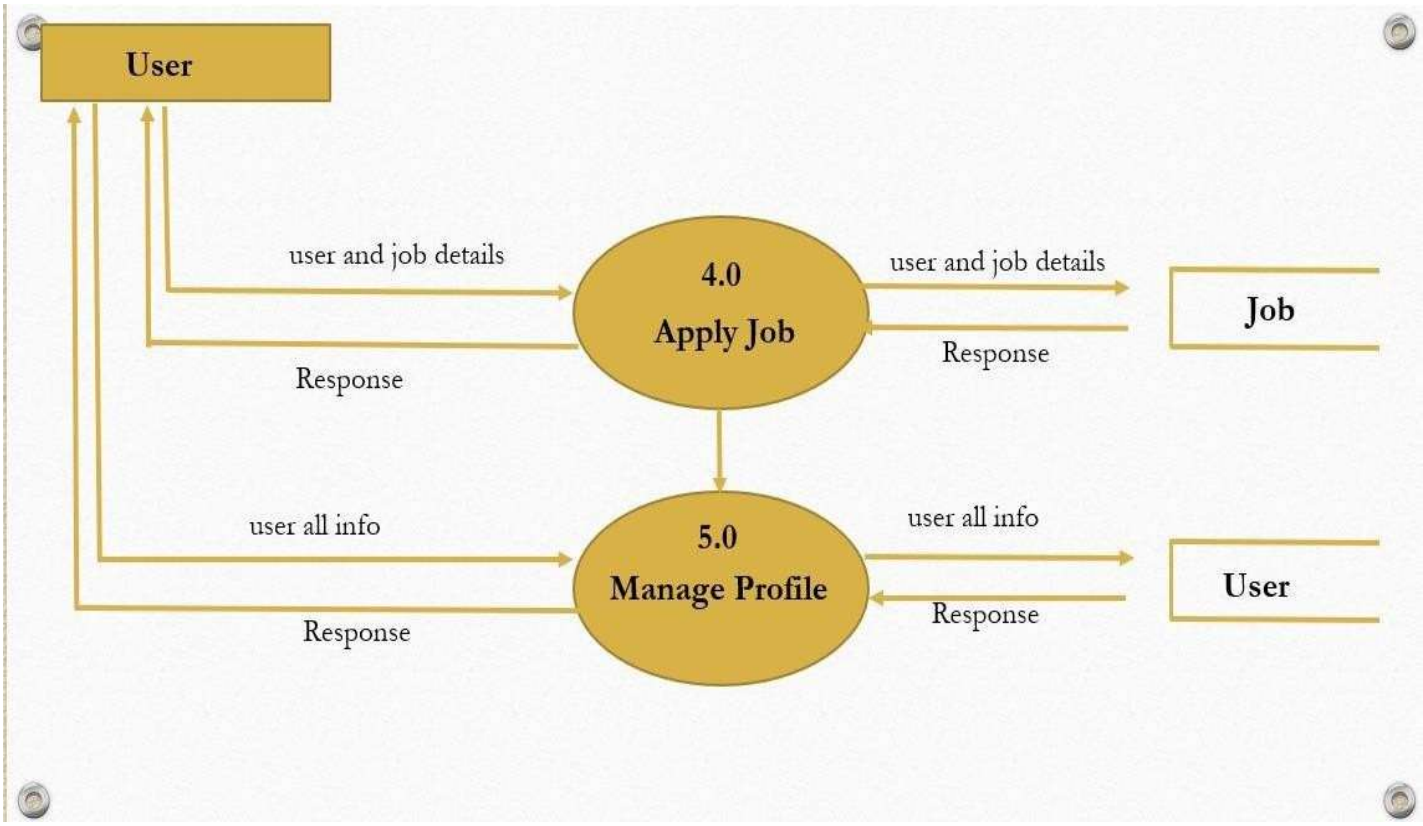
Data Flow Diagram






Recruiter
3.0
Mange Job
access job
Job
check job
Response
Response
4.0
Manage Job
Application
check job applicant
Job
check job applicant
Response
Response
5.0
Manage Users
access users
Users
check users
Response
Response


level 1 User
User
username/
password
1.0
View Advertisement
request advertisment
Job
Response
Response
job details
2.0
Job Post
job info
Job
Response
Response
user details
3.0
Registration
/ login
user info
User
Response
Response


User
user and job details
4.0
Apply Job
user and job details
Job
Response
Response
user all info
5.0
Manage Profile
user all info
User
Response
Response

Data Dictionary

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

Application Model

Sr	Field Name	Data type	Contraint	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	Contraint	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

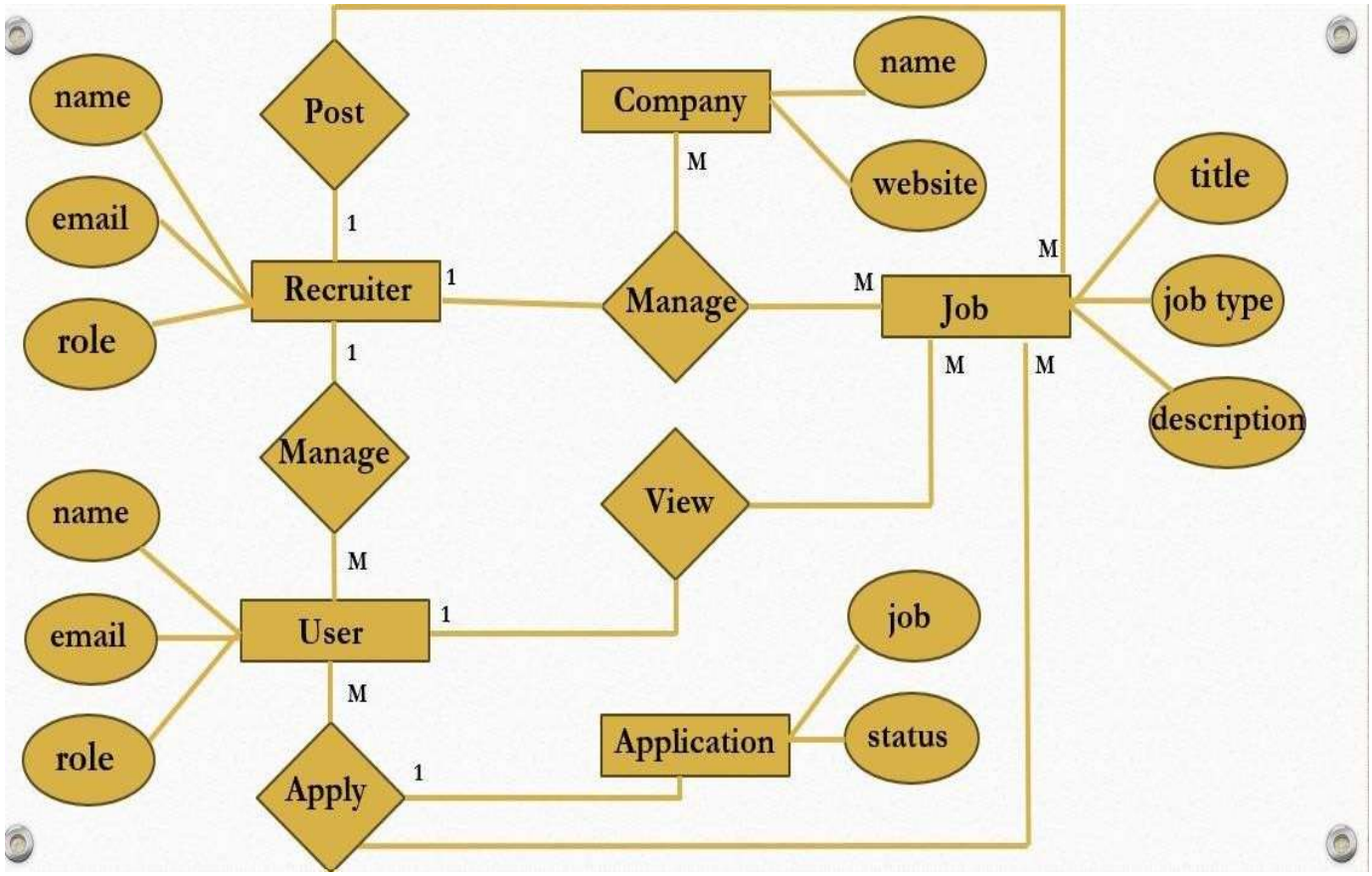
User Model

Sr	Field Name	Data type	Contraint	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	Contraint	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 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.

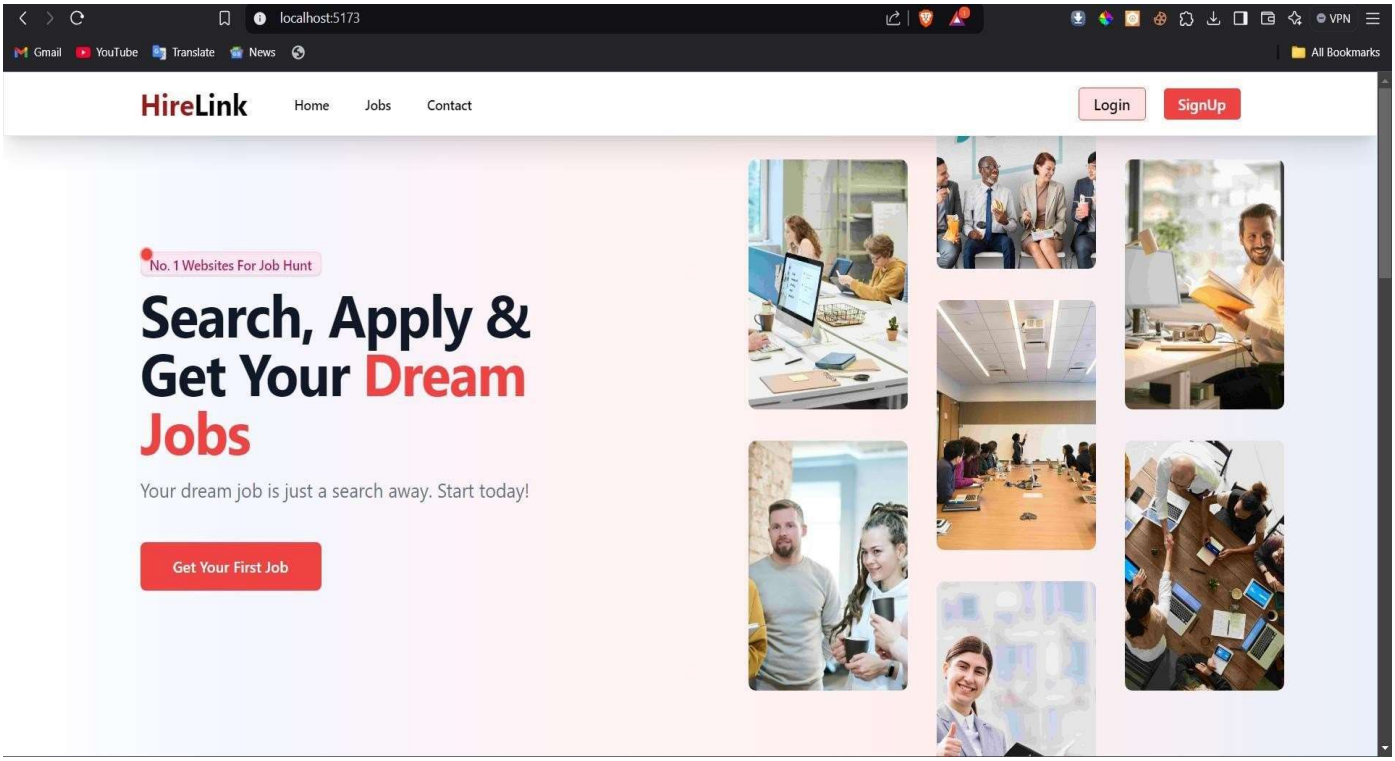
Step 6 :- waiting for response.

Step 7 :- Logout

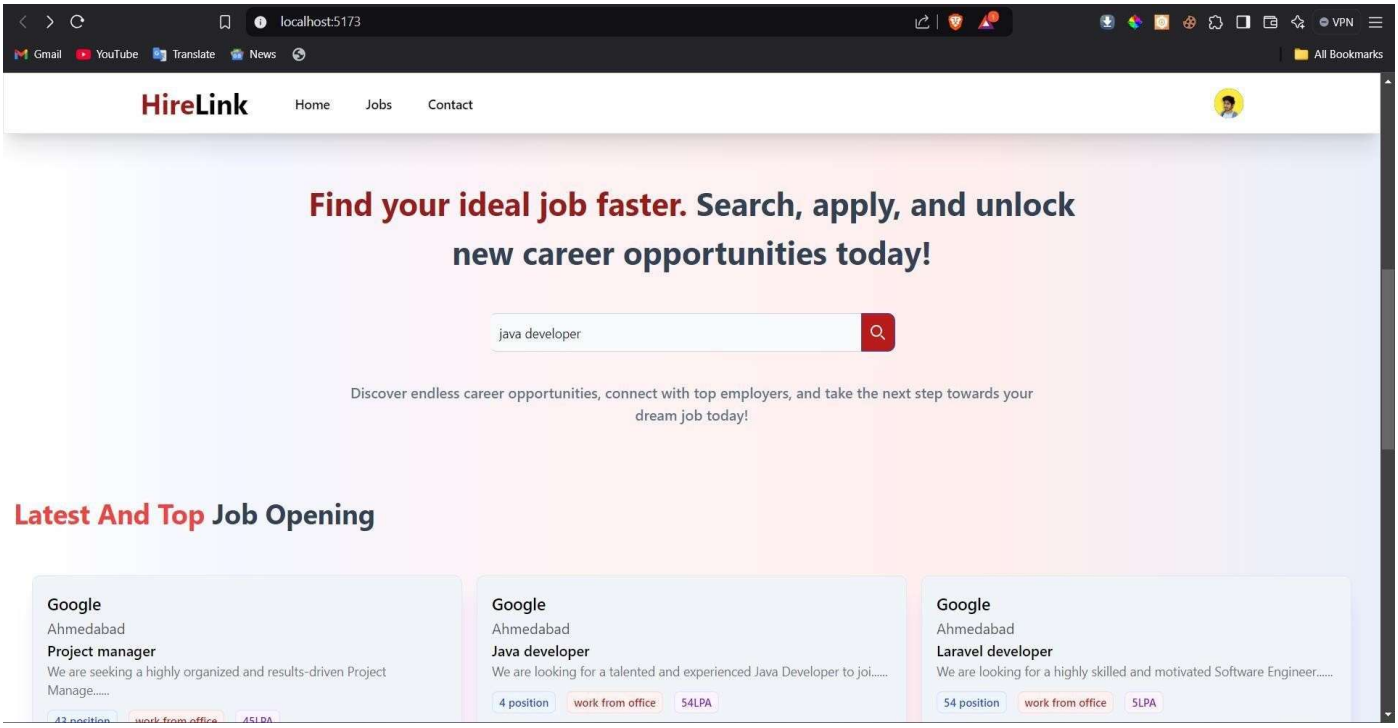
Step 8 :- Exit

Input Design (User)

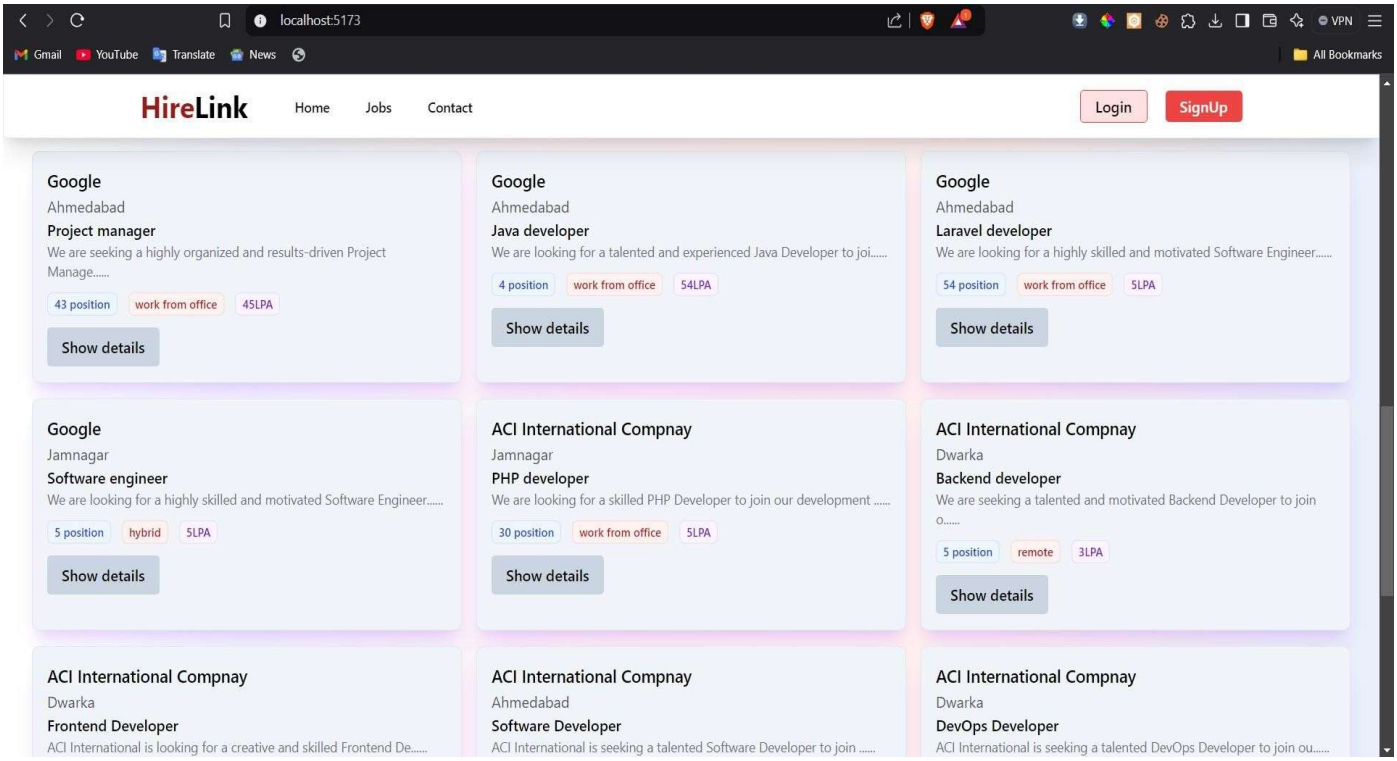
Home Page



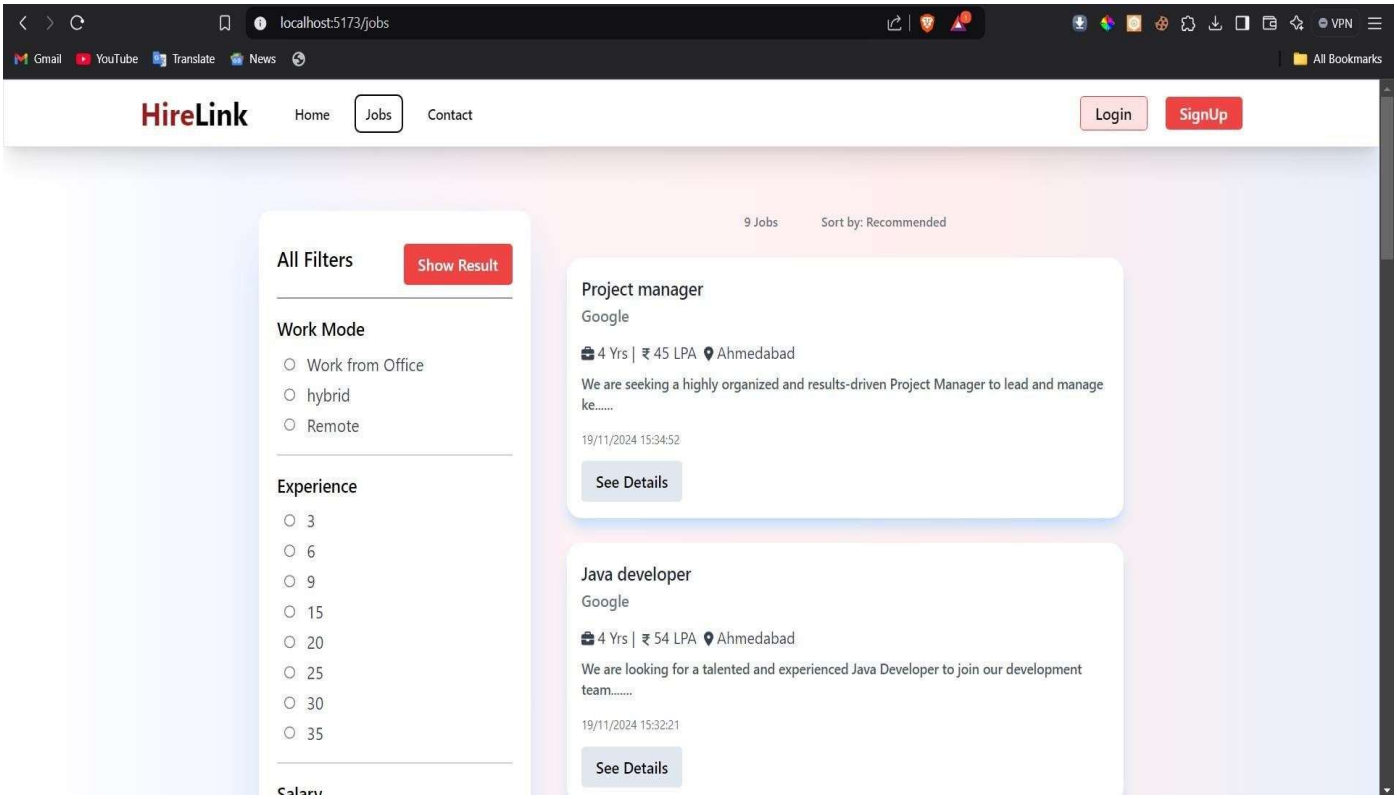
Home Page search



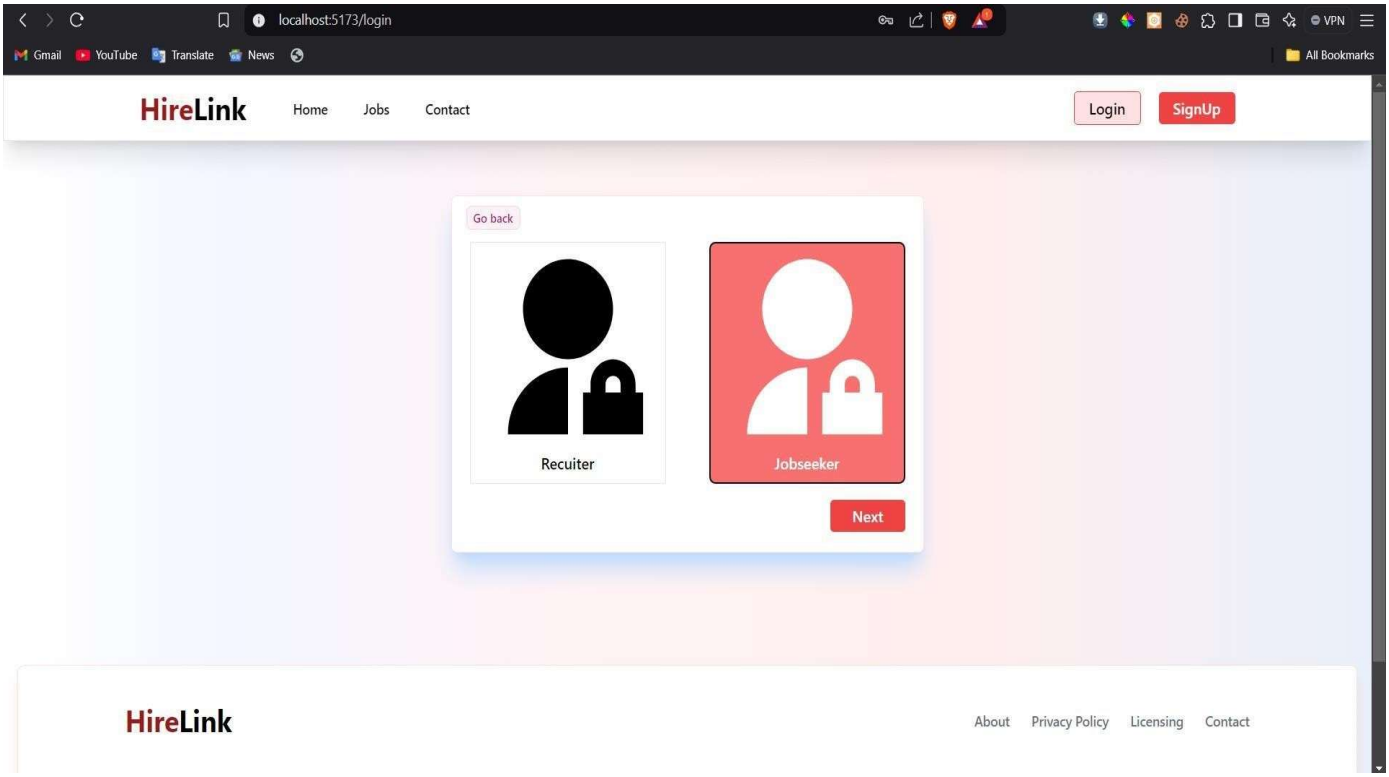
Home Page latest job opening



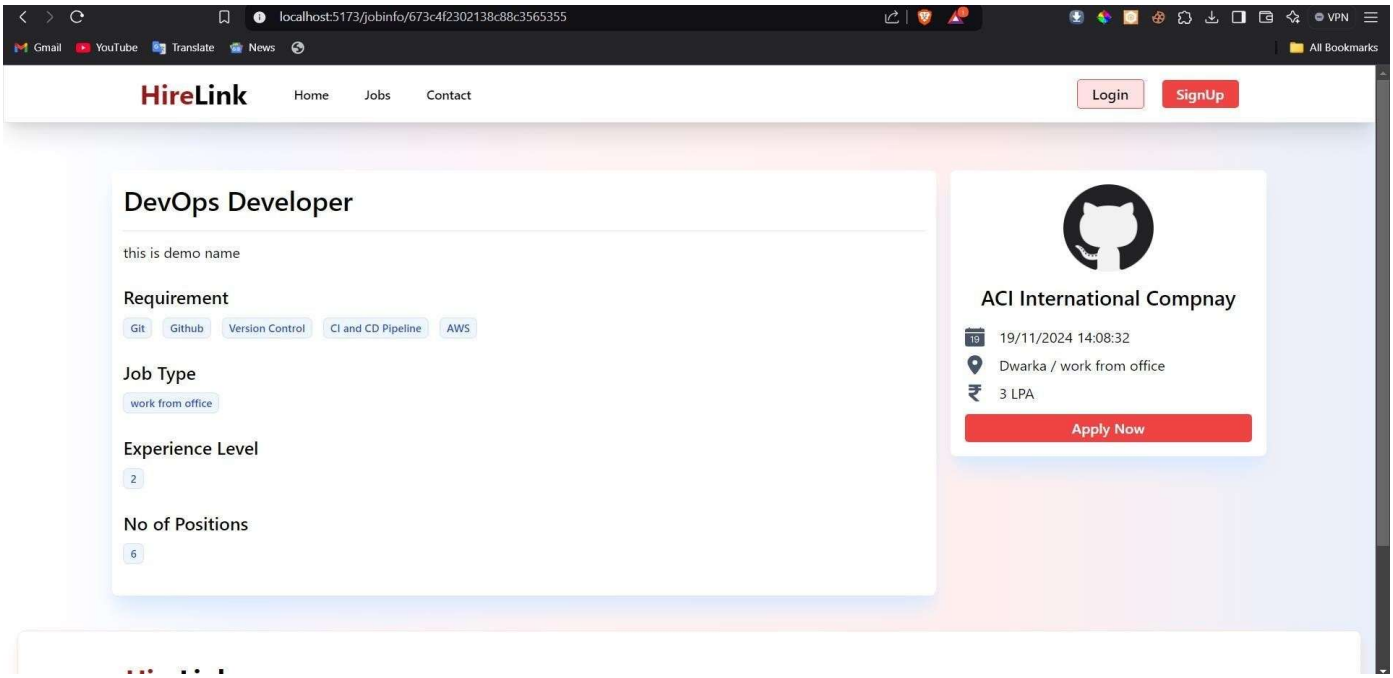
Jobs Page



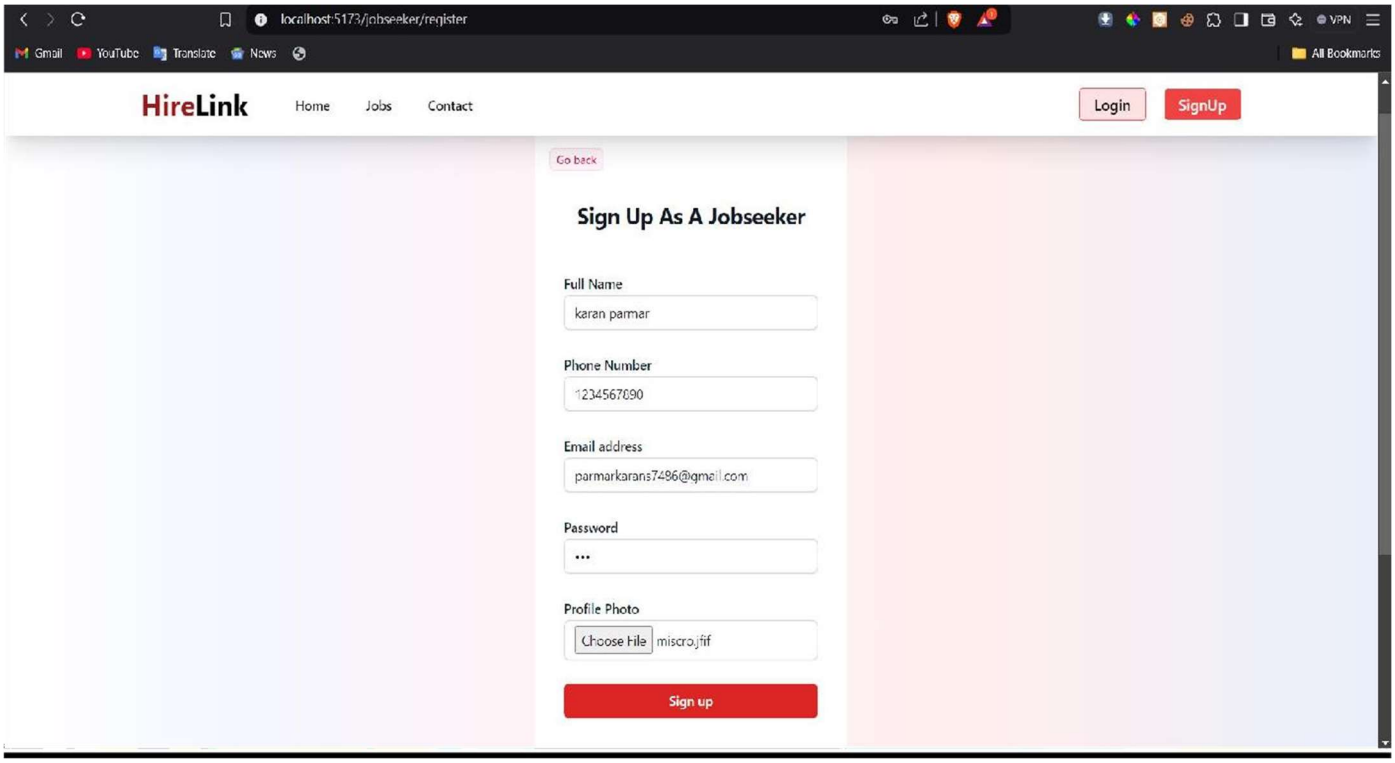
register page choice



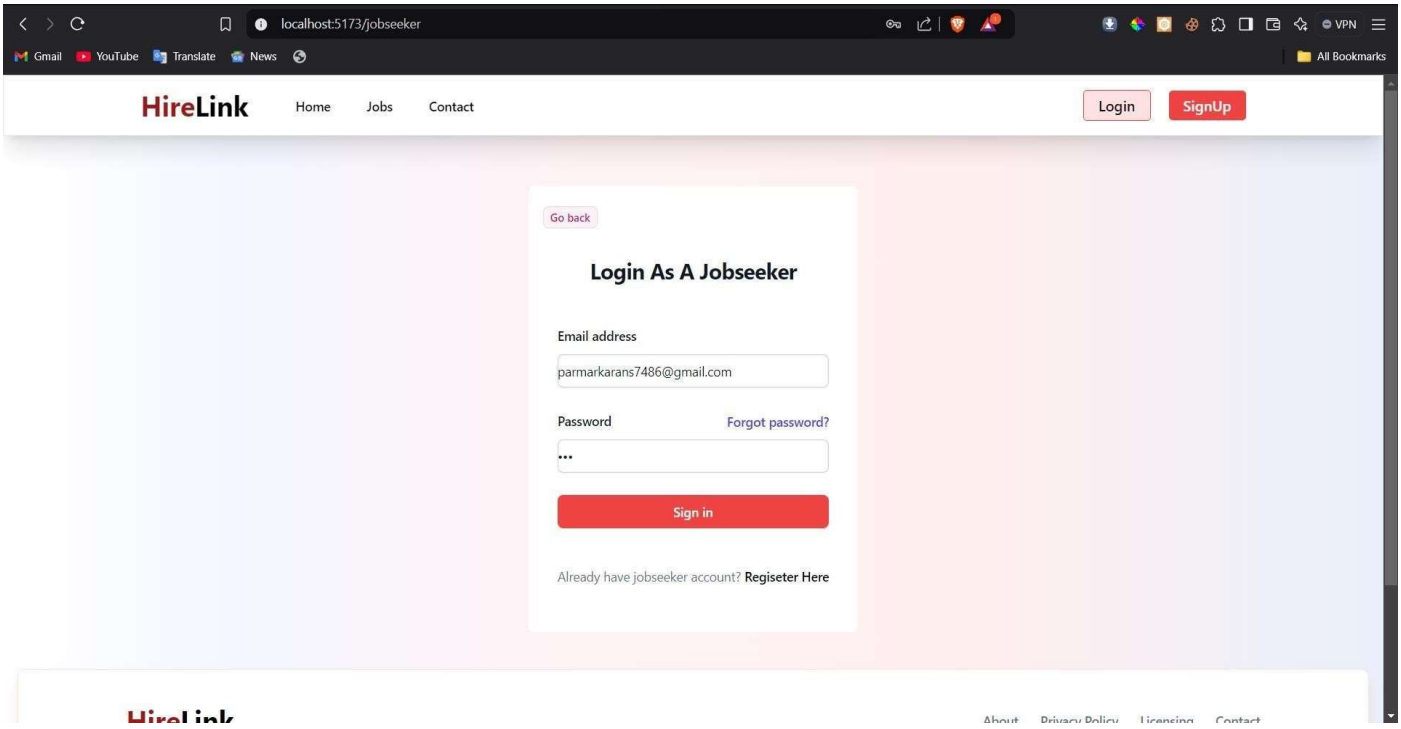
Jobs post page



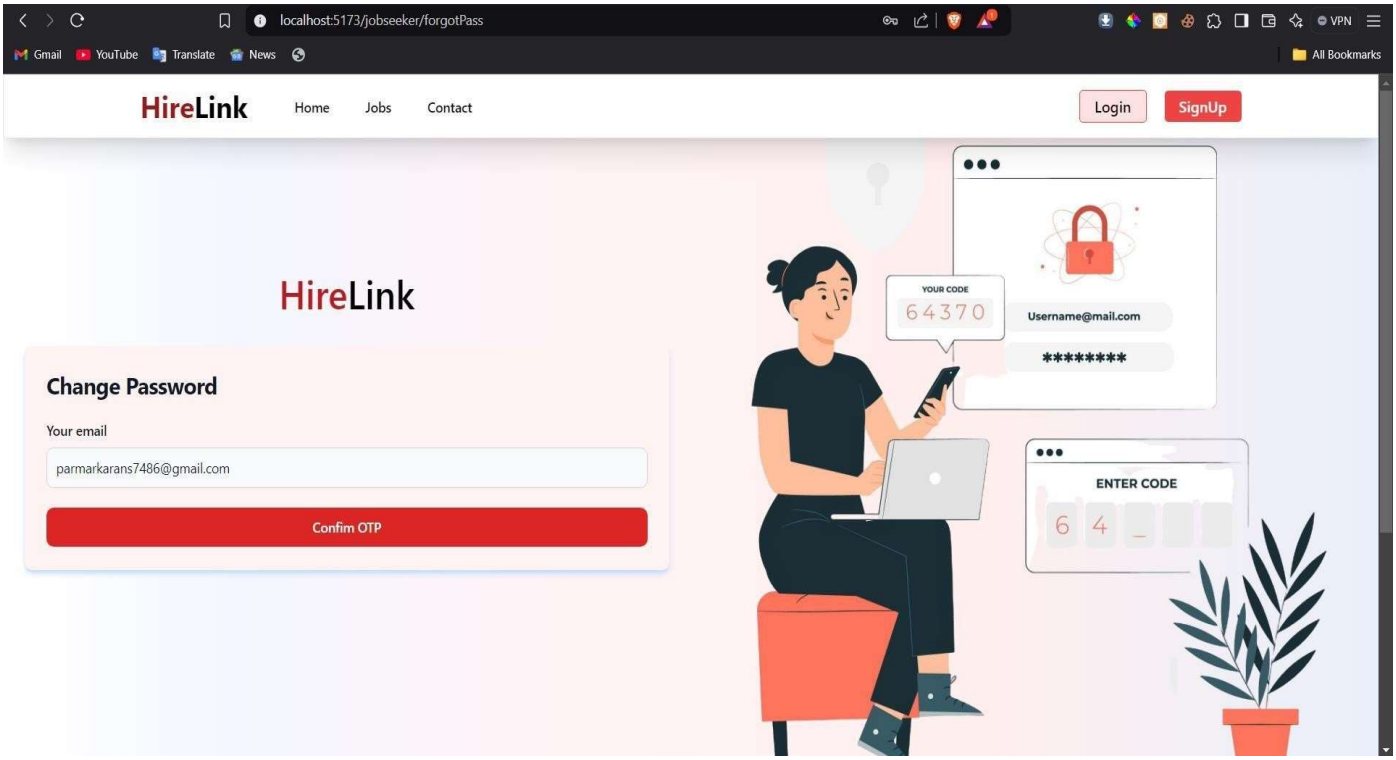
register for user



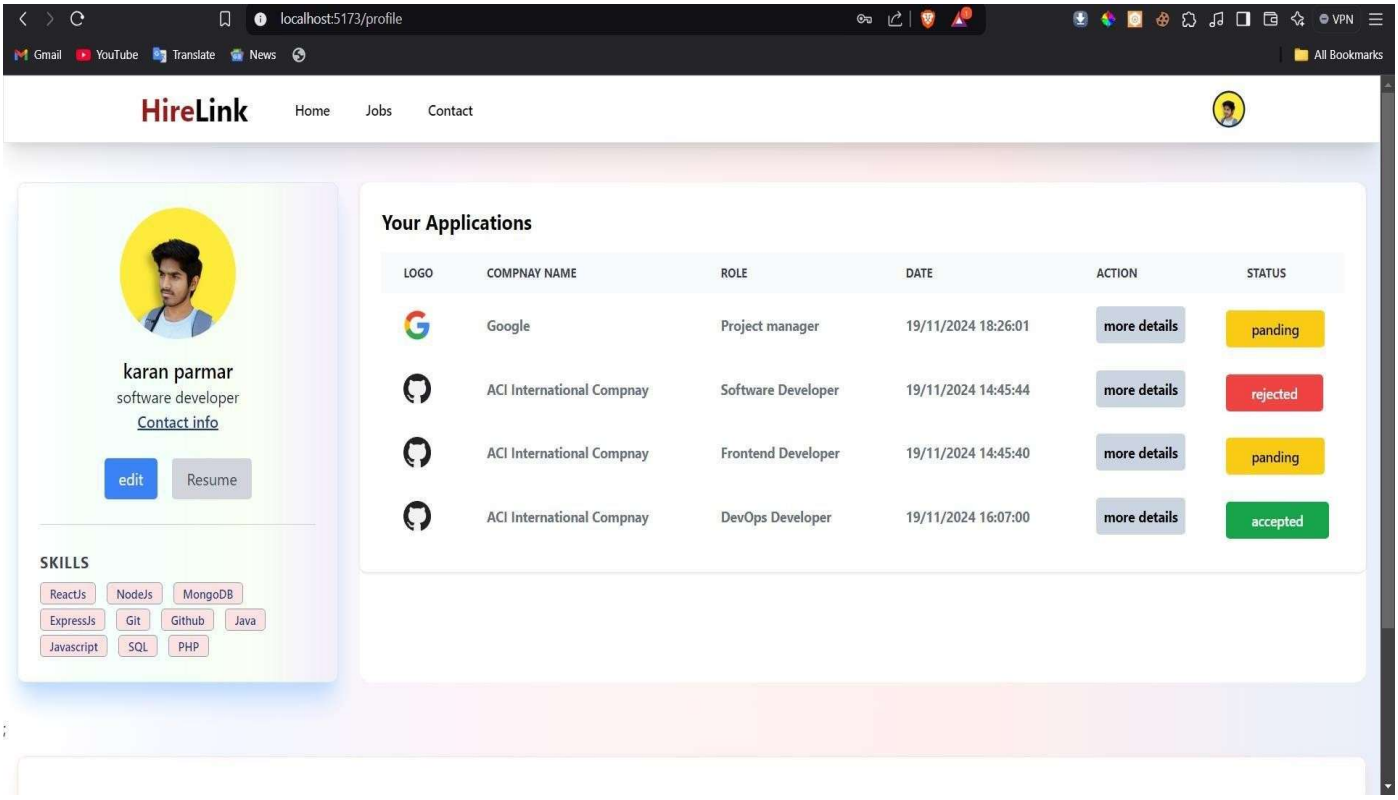
login for user



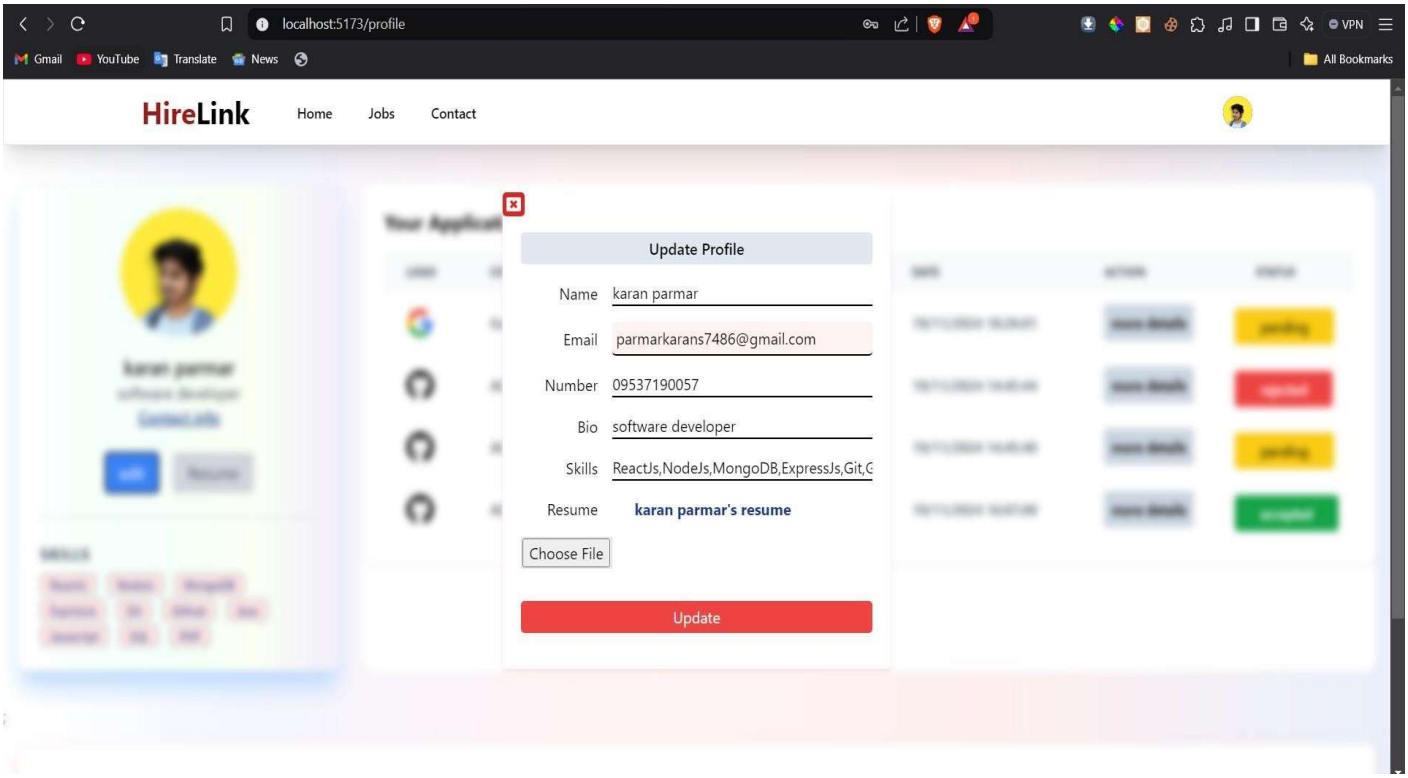
forget password page for user



profile page

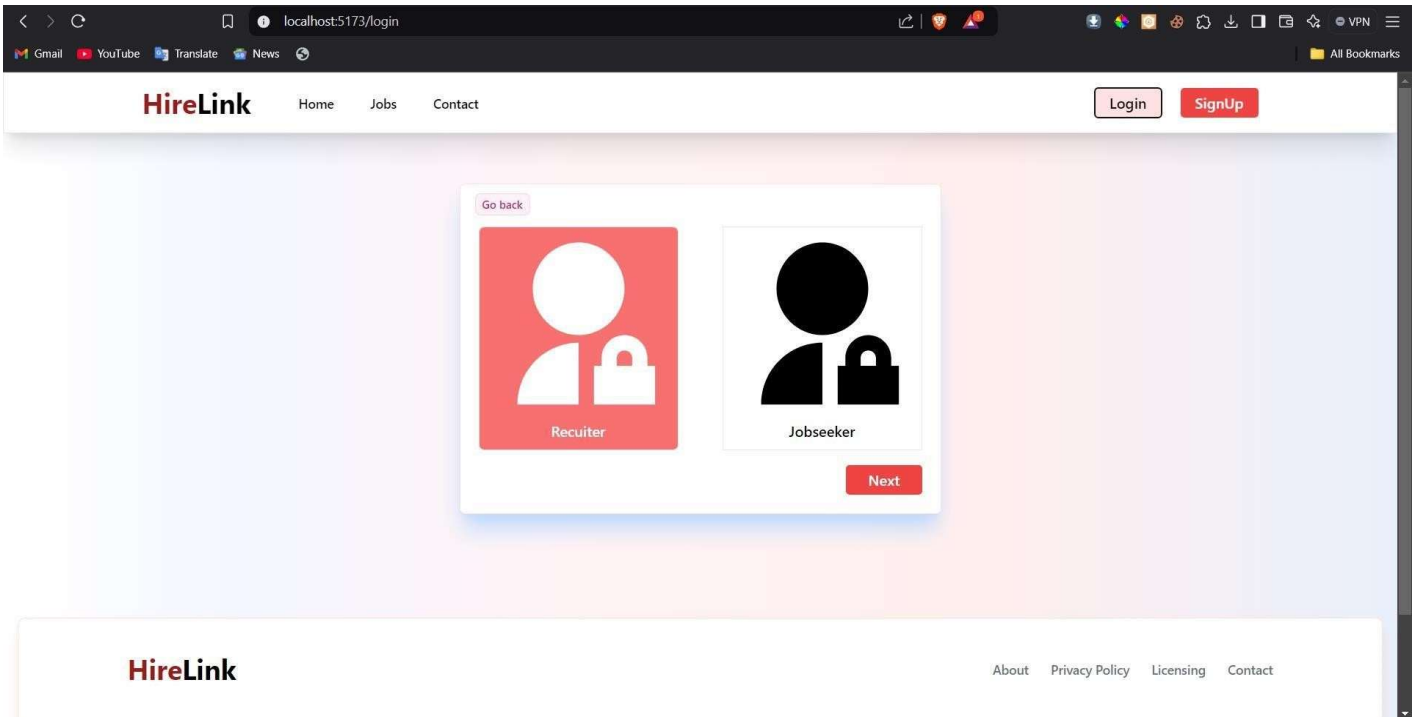


update profile page

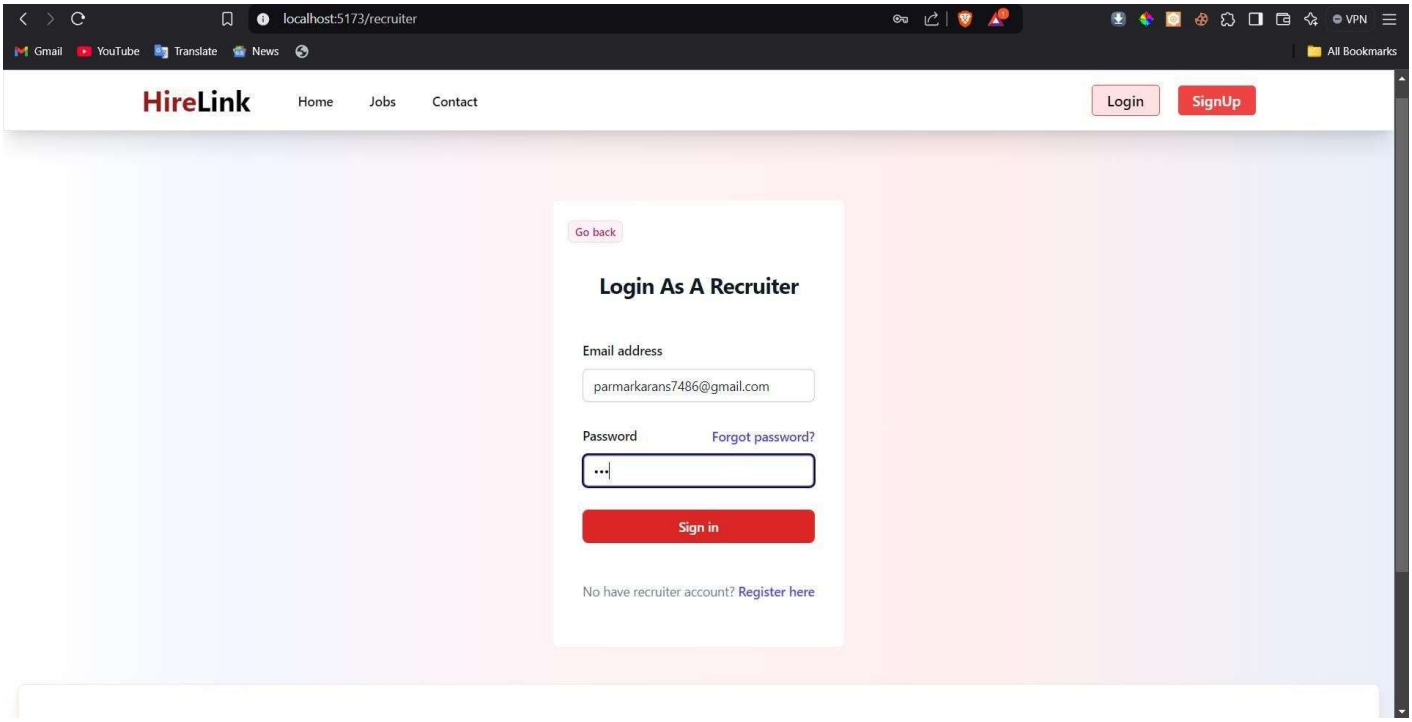


Input Design (Recruiter)

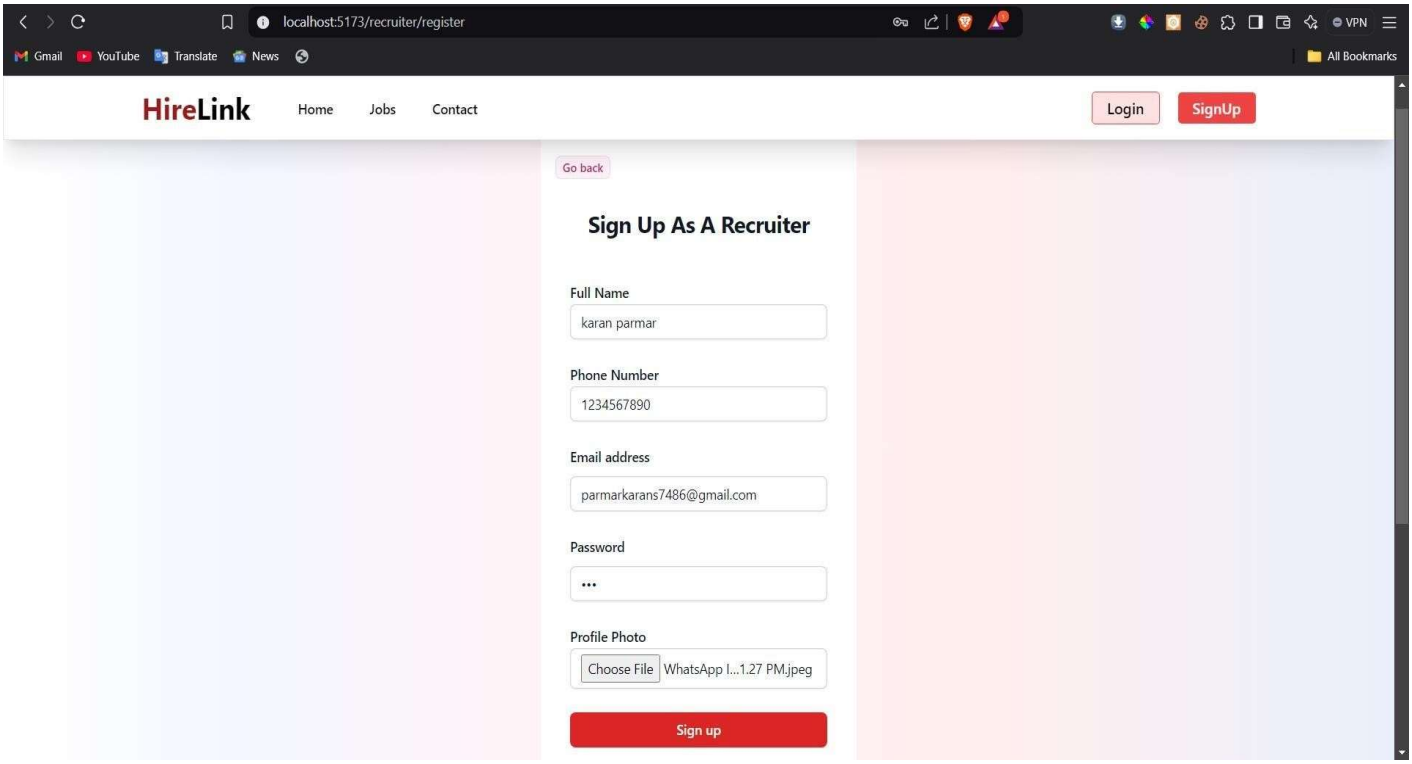
Recruiter selection



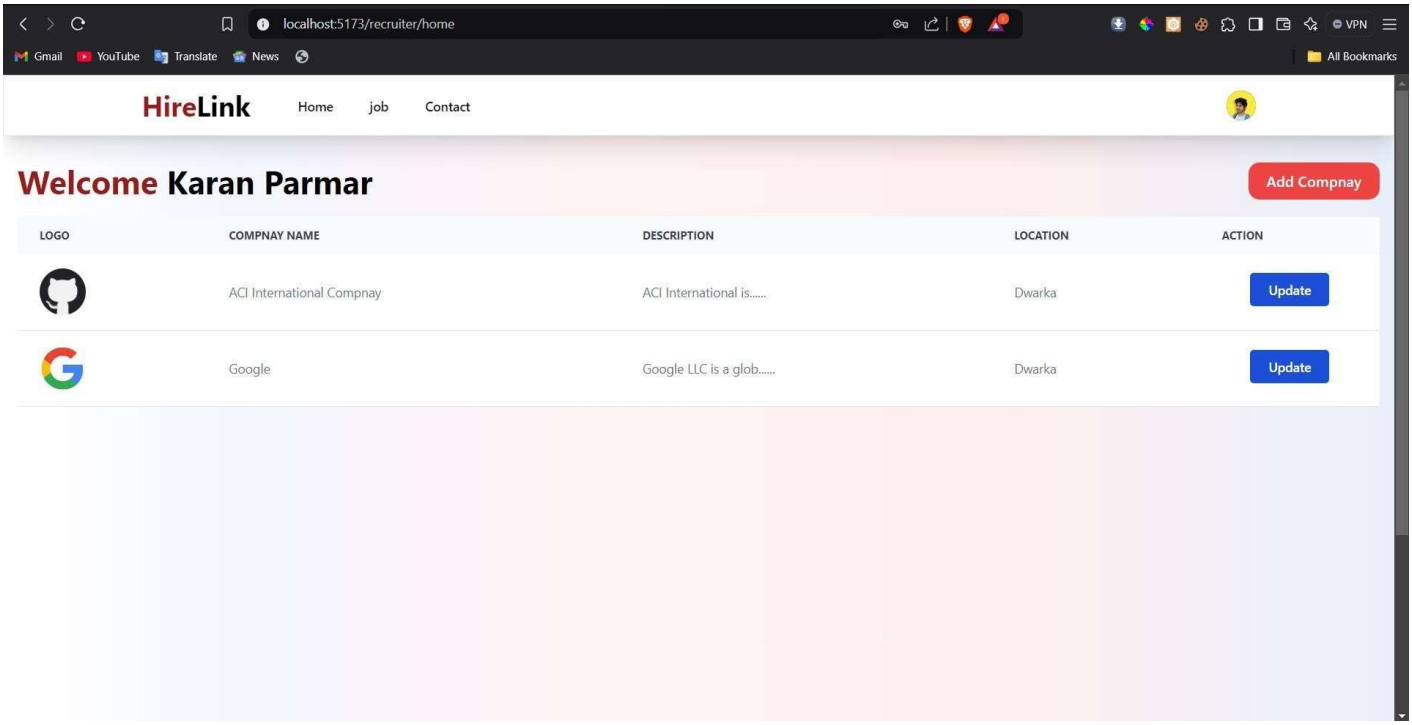
Recruiter login



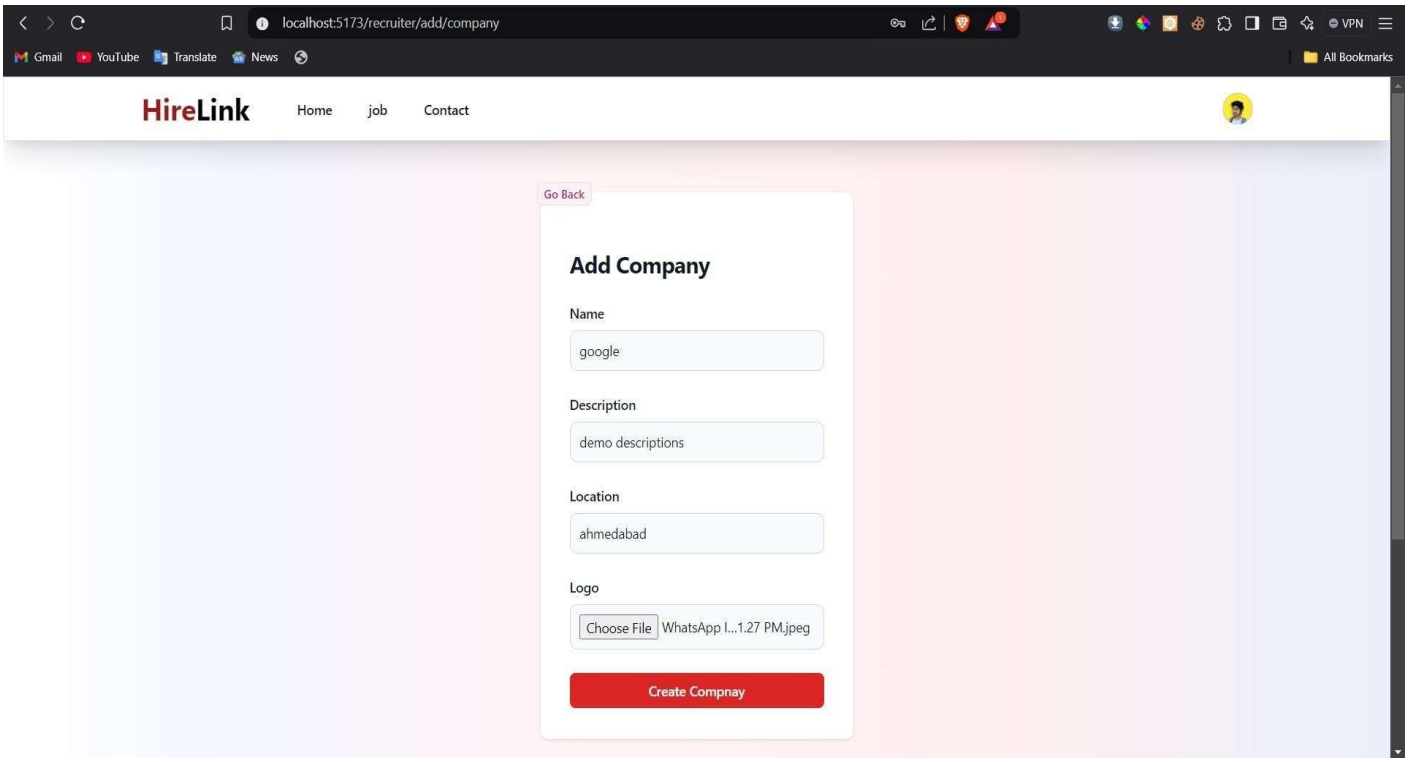
Recruiter register



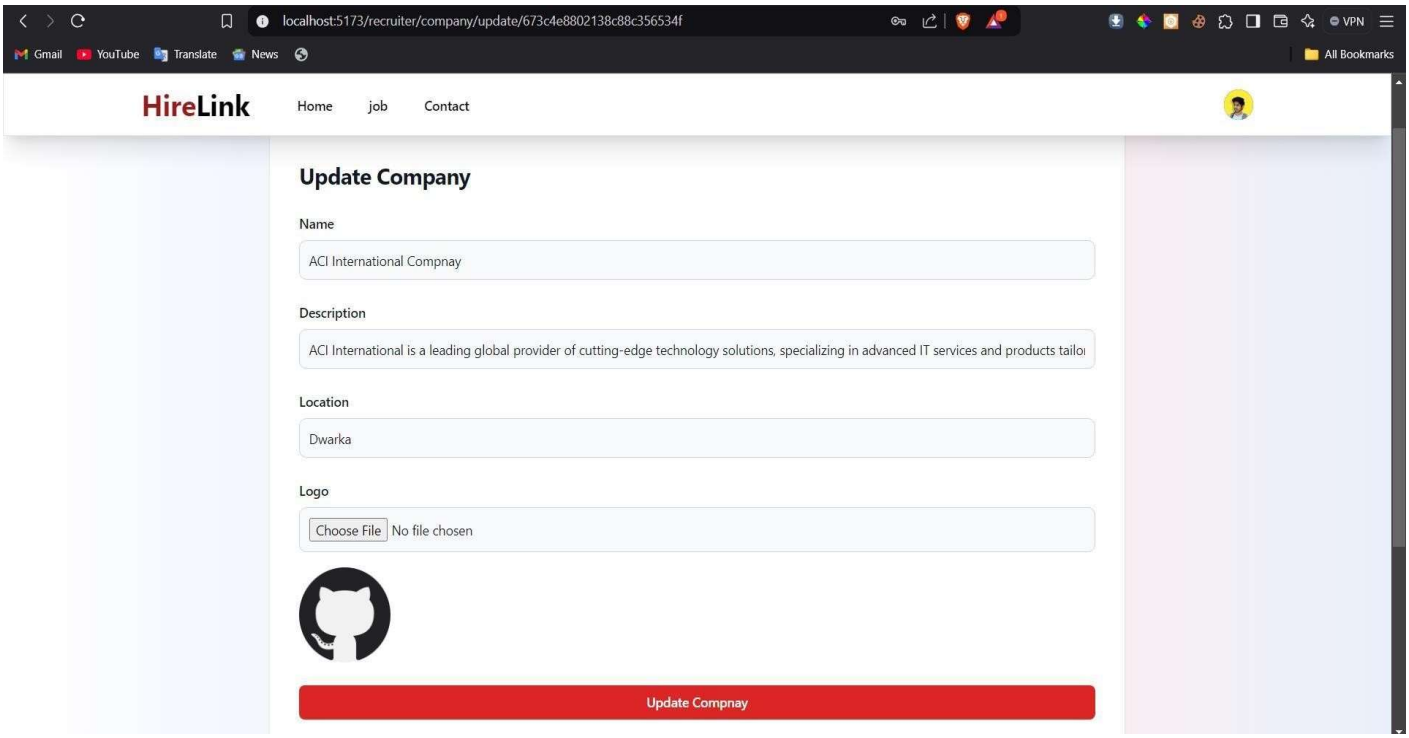
Recruiter dashboard



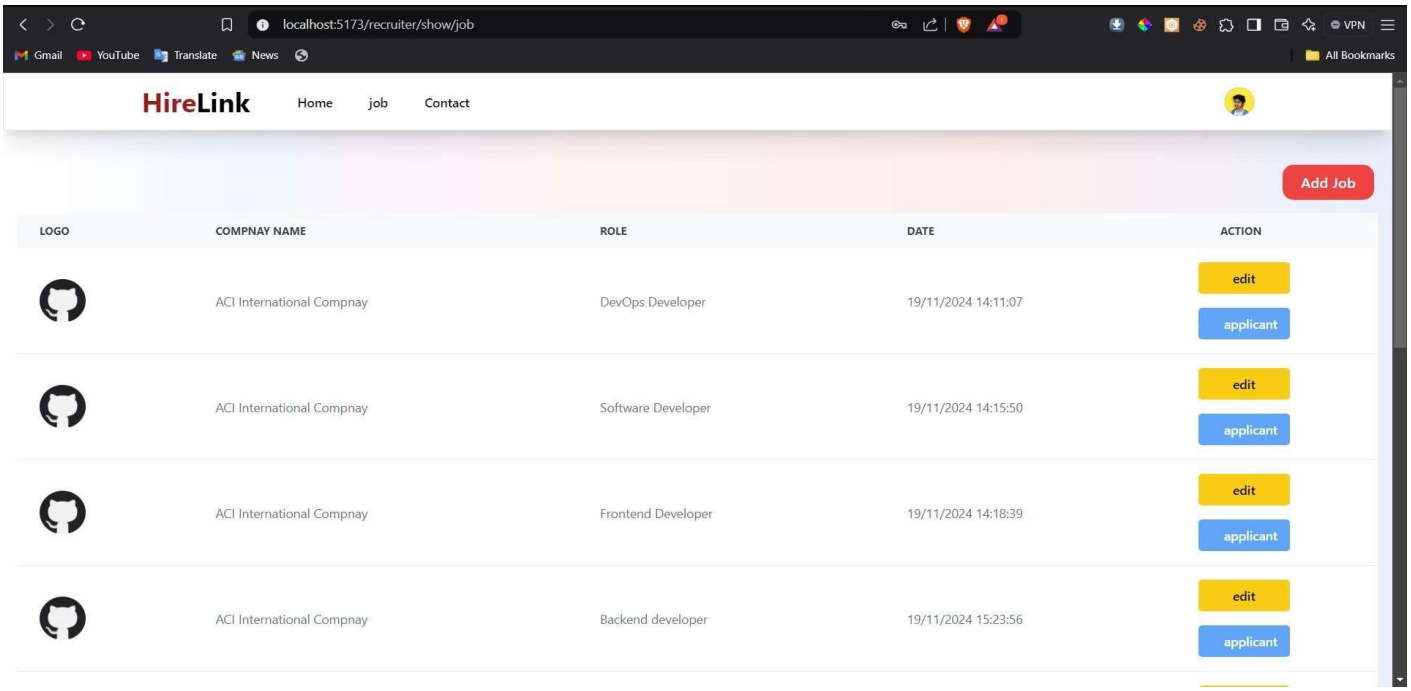
company register



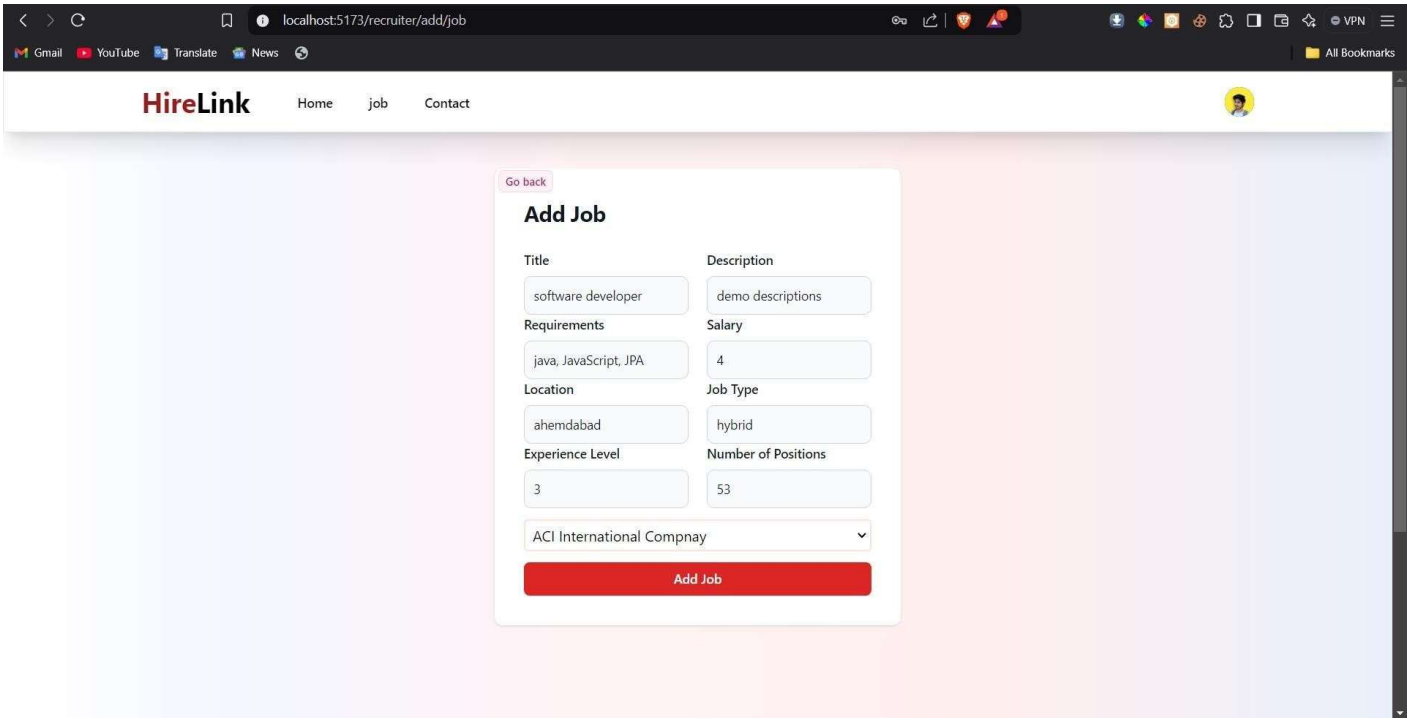
company update



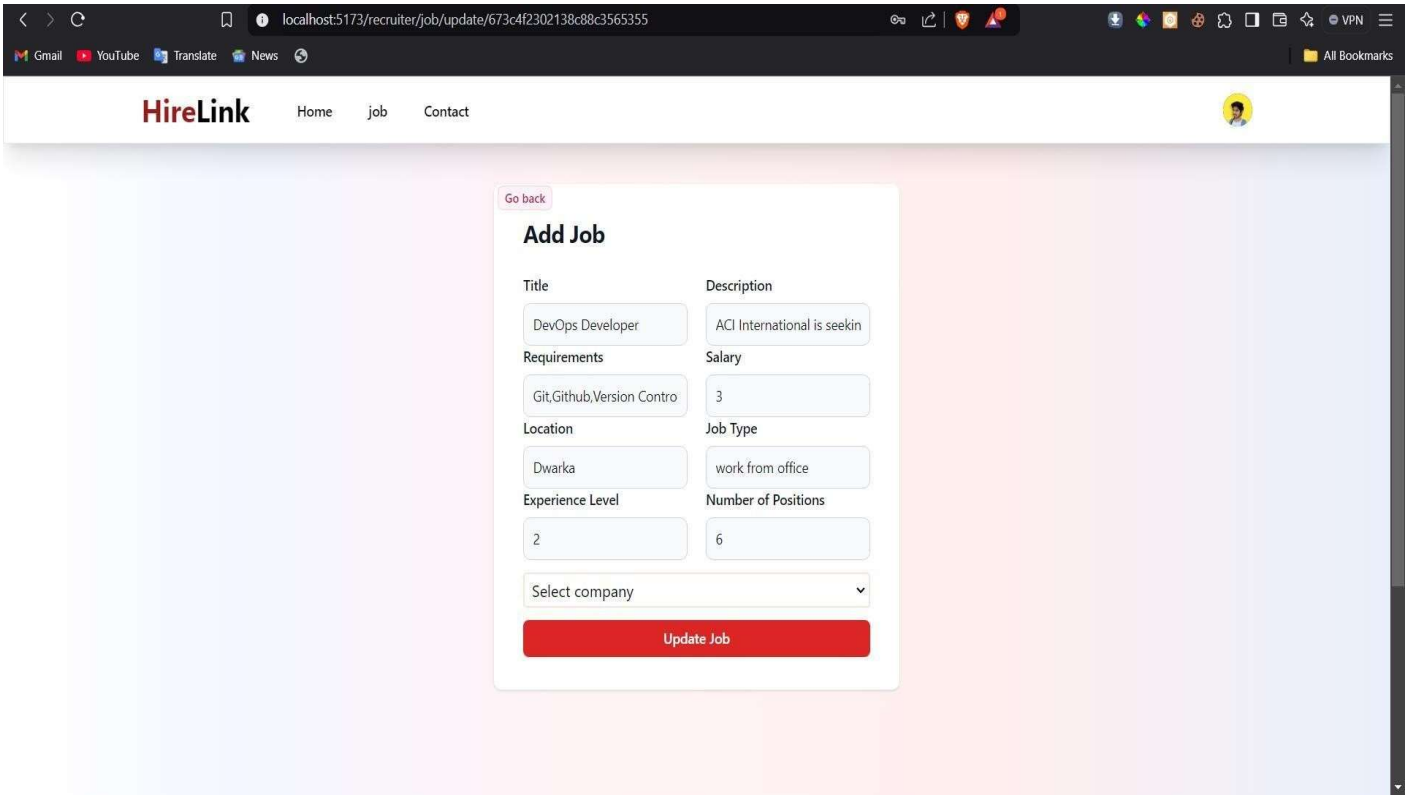
job page



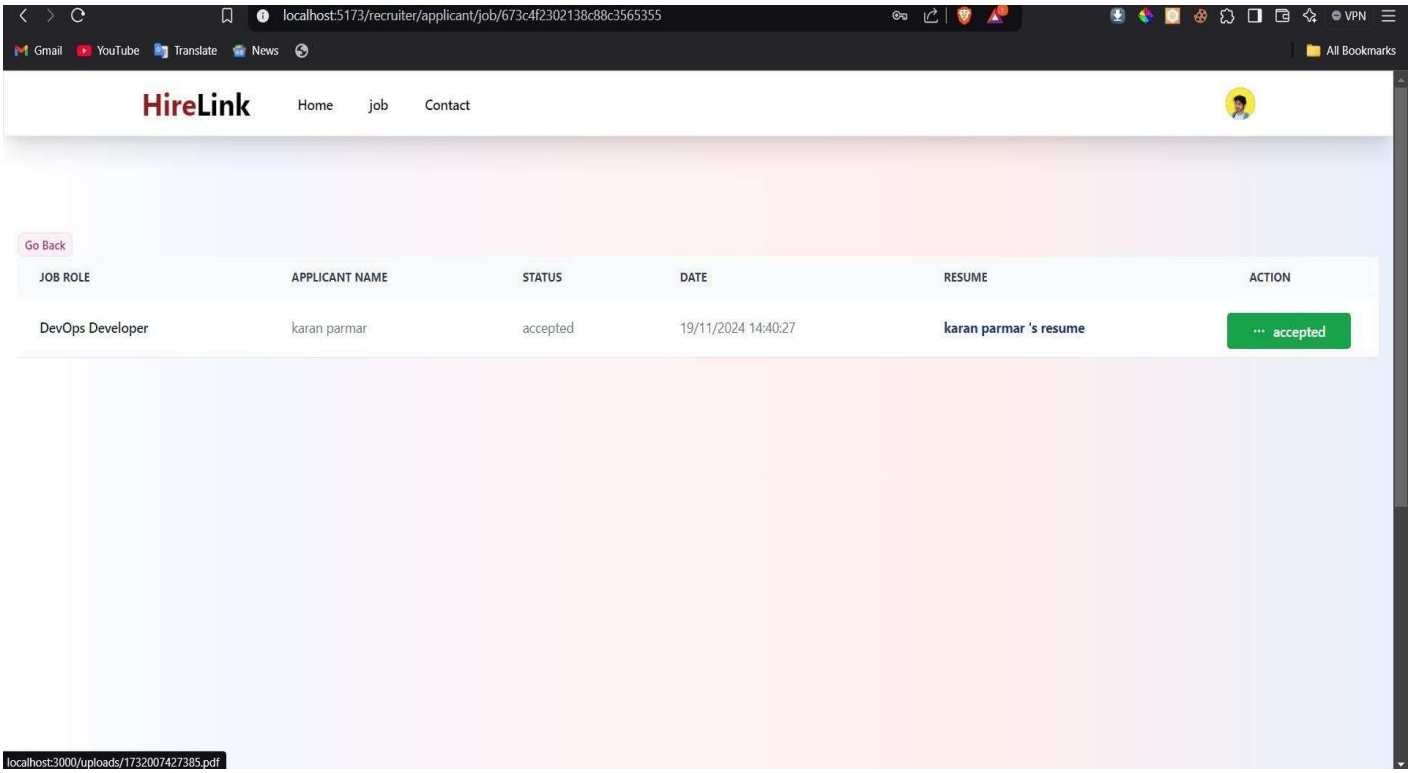
add job



update job

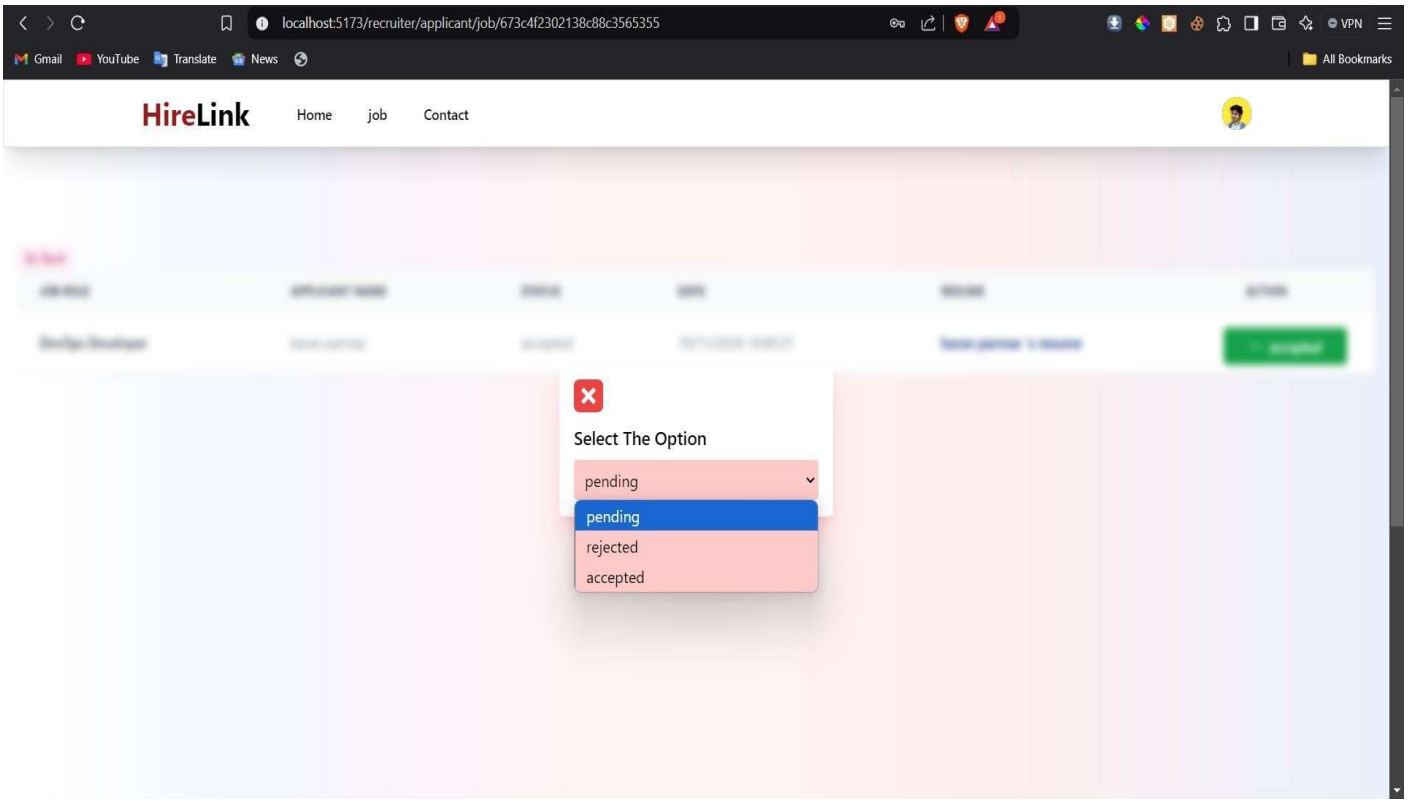


job applicant page



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 compnay throw search and visite any user profile like linkedin.

Bibliography

❖ **Websites**

◈ www.google.com
◈ www.W3School.com
◈ www.stakoverflow.com
◈ geeksforgeeks
◈ Pro MERN stack
◈ MERN stack development express

Thank
You