DESIGN AND DEVELOPMENT OF GET JOB
A
MINOR PROJECT-I REPORT

Submitted in partial fulfillment of the requirements

for the degree of

BACHELOR OF TECHNOLOGY
In
COMPUTER SCIENCE & ENGINEERING

By

GROUP NO. 37

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Under the guidance of

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june-2022

CERTIFICATE

I hereby certify that the work which is being presented in the B.Tech Minor Project-I Report entitled **GET JOB**, in partial fulfillment of the requirements for the award of the degree of ***Bachelor of Technology*** in ***Computer Science & Engineering*** and submitted to the Department of Computer Science & Engineering, Sagar Institute of Science & Technology (*SISTec*), Bhopal (M.P.) is an authentic record of my own work carried out during the period from Jan-2022 to Jun-2022 under the supervision of **Prof. Ruchi Jain** (Project gude). The content presented in this project has not been submitted by me for the award of any other degree elsewhere.

Signature

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This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Date:

Prof.Ruchi Jain	**Prof.Rahul Dubey**	**Dr. Keshavendra Choudhary**
Project Guide	***HOD***	***Principal***

ABSTRACT

In this competitive era, the education among the people is so increasing that the jobs for them are now decreasing. The companies even want the people who are best in their fields. At that time, it becomes difficult to find the people who are intelligent enough to be hired.

The work for the companies also increases to find the people who can fulfill their requirements. Thinking about these problems, one can think about the process which can handle this process and make the work less complex.

The idea is here to eliminate these mediators and connect the employer and worker directly.For worker , we place a greater focus on our website as delivery and engagement platform.

where worker create their multiple Job profile and employers create request with full description about their need , when employer created the request then worker who are under the range of 10km distance from employer current location they are able accept the job request after that both worker and employer able to track each other to see their location status

ACKNOWLEDGEMENT

We take this occasion to thank God, almighty for blessing us with his grace and taking our endeavor to a successful culmination. We extend our sincere and heartfelt thanks to our esteemed guide, Prof. Ruchi Jain, for providing us with the right guidance and advice at the cru—cial junctures and for showing us the right way. We also take this opportunity to express a deep sense of gratitude to Prof. Rahul dubey (HOD) and Prof. Ruchi Jain (Project Coordinator).

First of all, I would like to thanks all those people who helped me directly or indirectly to complete my project whenever I found my self in problems. Our all faculties encourages me and due to their kindness and helpful nature and help I got very much confidence to complete this project.

I am deeply inherited who devoted his precious time in giving me the information about the various aspect and gave support and guidance at every point of time. I am really thankful to their kind and supportive nature. His inspiring nature has always made my work easy.

It's a very difficult task to build a project from scratch and take it up to the expectation of our teachers, I would like to thank my teachers my friends who helped us in this crucial time and encouraged us to build a project up to the mark so that we can present it to our teachers. We would like to thank our friends and family for the support and encouragement they have given us during the course of our work. Last but not the least, I would like to express my gratitude to those persons who directly or indirectly helped in my project.

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF ABBREVIATIONS

ACRONYM	FULL FORM
SQL	Structured Query Language
HTML	Hyper Text Mark-up Language
CSS	Cascading Style Sheet
VSCODE	Visual Studio Code

CHAPTER 1

INTRODUCTION

CHAPTER 1
INTRODUCTION

1.1 ABOUT PROJECT

In this website where worker create their multiple Job profile and employers create request with full description about their need , when employer created the request then worker who are under the range of 10km distance from employer current location they are able accept the job request after that both worker and employer able to track each other to see their location status

1.2 PROJECT OBJECTIVES

The idea is here to eliminate these mediators and connect the employer and worker directly.For worker , we place a greater focus on our website as delivery and engagement platform.

CHAPTER 2

SOFTWARE AND HARDWARE REQUIREMENT

CHAPTER 2
SOFTWARE AND HARDWARE REQUIREMENT

2.1 RECOMMENDED OPERATING SYSTEM

- **Windows:** 7 or newer
- **MAC:** OS X v10.7 or higher
- **Linux:** Ubuntu

2.2 SOFTWARE REQUIREMENTS

People often ask what browser they should use. There is no single answer for this. Use whichever browser works best on your computer. However, we recommend downloading Firefox and/or Chrome in addition to having Internet Explorer or Safari.

- Firefox
- Chrome

2.3 HARDWARE REQUIREMENTS

We strongly recommend a computer fewer than 5 years old.

- Processor: Minimum 1 GHz; Recommended 2GHz or more
- Ethernet connection (LAN) OR a wireless adapter (Wi-Fi)
- Hard Drive: Minimum 32 GB; Recommended 64 GB or more
- Memory (RAM): Minimum 1 GB; Recommended 4 GB or above
- Sound card
- GPS required

CHAPTER 3

PROBLEM DESCRIPTION

CHAPTER 3
PROBLEM DESCRIPTION

Local worker are only engage with known person but what about unknown person when they newly comes to new area , they are unfimilar with surroundings and when they need small service like plumber,electrician,painter and carpenter etc . they need to contact with a broker or middleman to get touch with Worker that add extra fees upfront from the workers and employers , And simply vanish thereafter only two surface somewhere else .

It is not possible for the every job seeker to view the newspaper daily and the result is many of the people are become unaware of the jobs. People have to visit different places for the jobs which is much time consuming and costly.

The traditional methods of finding jobs through the newspapers or the reference have become obsolete.

Hence, to solve the problem, numerous job portals are available on the internet. These job portals provide a platform for both job seekers and recruiters, but the risk of fraud has increased in the present amalgamated world.

The recruiters or the job seekers believe that their problem has been solved, but they fall prey to the frauds and are unaware of the facts about their data misuse. Hence, people need to find a genuine job portal to ensure that their data is safe and free from fraud.

The other problem that we have identified is that if a freelancer/contractor or any person who wants to build a team and who is previously a job-seeker in the same platform wants to advertise an opening, no current existing portals are giving privilege to a person to do both job-seeking and hiring.

Some web portals do not have mobile applications for easy notification access. The people are facing issues while using web portals in their mobiles. While rejecting an application by the recruiter, the job seeker usually does not get feedback for the rejection. Our system also aims to solve this problem.

CHAPTER 4

LITRATURE SURVEY

CHAPTER 4
PROBLEM DESCRIPTION

4.1 Job Procurement:

Old and New Ways Job seeking usually involves different ways to look for jobs such as through personal contacts, direct telephone calls to employers, job agency office, scanning online job listings, etc. .

Before the Internet, became widely uses as a method of seeking jobs, jobseekers spent a lots of time using various methods to look for job openings.

Today, jobseekers use online methods which are very convenient and save a lot of time. Galanaki lists the following methods to be the traditional (old) ways for recruitment:

- Employment recruitment agencies
- Job fairs
- Advertising in the mass media such as newspapers
- Advertisement in television and radio
- Management Consultants
- Existing employee contacts
- Schools colleges or universities students servicesdepartment
- Workers or professional referrals These old job seeking methods are too slow, stressful, challenging and also lack quality .

In addition, the applicants have to consider the cost and the amount of time toget the information they need, and other preparations they have to IJARCCE ISSN (Online)
2278-1021 ISSN (Print) 2319 5940 International Journal of Advanced Research in Computer and Communication Engineering ISO 3297:2007 Certified Vol. 6, Issue 5, May 2017 Copyright to IJARCCE DOI10.17148/IJARCCE.2017.6519 97 make.

Finding all available job vacancies is a main step at in the job-seeking process. The Internet is now a powerful tool that jobseekers can use.

Today, there are many sites that advertise job positions to be filled by people with certain skills in various fields. The Internet plays an important role in the area of human resource planning and development.

Most planning and development organizations are now using computer technology and the Internet for staff recruitment. It should be noted that although the Internet has facilitated the process of job-seeking, it has not replaced the traditional methods, completely.

4.2 Importance of Job Portals

In the age of technology, the Internet has become the main source of information for jobseekers. Large corporations, Institutions, and universities include information on career Prospects on their websites. According to a survey, 70% of the workforce uses websites or portals on the Internet to Search for jobs in France. These websites or portals provide search engine to access information on job opportunities.

CHAPTER 5

SOFTWARE REQUIREMENTS SPECIFICATION

CHAPTER 5
SOFTWARE REQUIREMENTS SPECIFICATION

5.1 FUNCTIONAL REQUIREMENTS:

5.1.1 USER

Direct visit home page

• User can visit home page of GetJob directly without signin and signup,check our services and content after that interested users can get a job or hire someone by making account on it using signup

SignIn

• User can signin with their email and password.

SignUp

• For signup user need to fill their personal details to set up new account.

Edit Profile

• User can personalize their profile.

Change Password

• User can change password for security reason

SignOut

• User can signout for signin new account

Create Job Profile

• User can create multiple job profile to apply in multiple job field.

Create Request

• User can create a request for hiring with full description of the job.

Track Location

• User can track worker location & vice versa.

5.1.2 ADMIN

Direct visit home page

• Admin can visit home page of GetJob directly without signin and signup ,check our services and content after that interested users can get a job or hire someone by making account on it using signup

SignIn

• Admin can signin with their email and password.

SignUp

• For signup user need to fill their personal details to set up new account.

Edit Profile

• Admin can personalize their profile.

View User Profile

• Admin can view user profile for authentication.

Change Password

• Admin can change password for security reason

SignOut

• User can signout for signin new account

Remove User

• Admin can remove unauthorization user profile

Remove Job

• Admin can remove unauthorization user Job.

Verify User

• Admin can do authentication of user.

5.2 NON-FUNCTIONAL REQUIREMENTS:

5.2.1 PERFORMANE AND SCALABILITY.

• How fast does the system return results? How much will this performance change with higher workloads?

Performance Deals with the measure of the system's response time under different load conditions.

Example of performance requirements:

• The landing page supporting 5,000 users per hour must provide 6 second or less response time in a Chrome desktop browser, including the rendering of text and images and over an LTE connection.

Scalability assesses the highest workloads under which the system will still meet the performance requirements.

Example of scalability requirements:

• The system must be scalable enough to support 1,000,000 visits at the same time while maintaining optimal performance.

5.2.2 PORTABILITY AND COMPATIBILITY.

• Which hardware, operating systems, and browsers, along with their versions does the software run on? Does it conflict with other applications and processes within these environments?

Portability determines how a system or its element can be launched within one environment or another

Example of portability requirements:

• A program running on Windows 10 must be able to run on Windows 11 without any change in its behavior and performance

Compatibility, as an additional aspect of portability, defines how a system can coexist with another system in the same environment.

Example of compatibility requirements:

• The iOS application must support iPhone devices running on OS versions,3.63.3,3.4

5.2.3 RELIABILITY,MAINTAINABILITY AND AVAILABILITY.

• How often does the system experience critical failures? How much time does it take to fix the issue when it arises? And how is user availability time compared to downtime?

Reliability specifies how likely the system or its element would run without a failure for a given period of time under predefined conditions.

Example of reliability requirements:

• The system must perform without failure in 95 percent of use cases during a month.

Maintainability defines the time required for a solution or its component to be fixed, changed to increase performance or other qualities, or adapted to a changing environment.

Example of maintainability requirements:

• The mean time to restore the system (MTTRS) following a system failure must not be greater than 10 minutes. MTTRS includes all corrective maintenance time and delay time

Availability describes how likely the system is accessible to a user at a given point in time.

Exampleof availability requirements:

• The web dashboard must be available to US users 99.98 percent of the time every month during business hours EST.

5.2.4 SECURITY.

• How well are the system and its data protected against attacks?

Security is a non-functional requirement assuring all data inside the system or its part will be protected against malware attacks or unauthorized access

Example of security requirement:

• The user password saved in hash form in database that protect from attacker

5.2.5 USABILITY.

• How easy is it for a customer to use the system?

Usability indicates how effectively and easy user can learn and use a system

Example of Usability requirement:

• User easily navigate by simplicity and easy user interface of our website

CHAPTER 6

SOFTWARE DESIGN

CHAPTER 6
SOFTWARE DESIGN

6.1 USE CASE DIAGRAM

The purpose of use case diagram is to capture the dynamic aspect of a system. However, this definition is too generic to describe the purpose, as other four diagrams (activity, sequence, collaboration, and State chart) also have the same purpose. We will look into some specific purpose, which will distinguish it from other four diagrams.

Use case diagrams are used to gather the requirements of a system including internal and external influences. These requirements are mostly design requirements. Hence, when a system is analyzed to gather its functionalities, use cases are prepared and actors are identified.

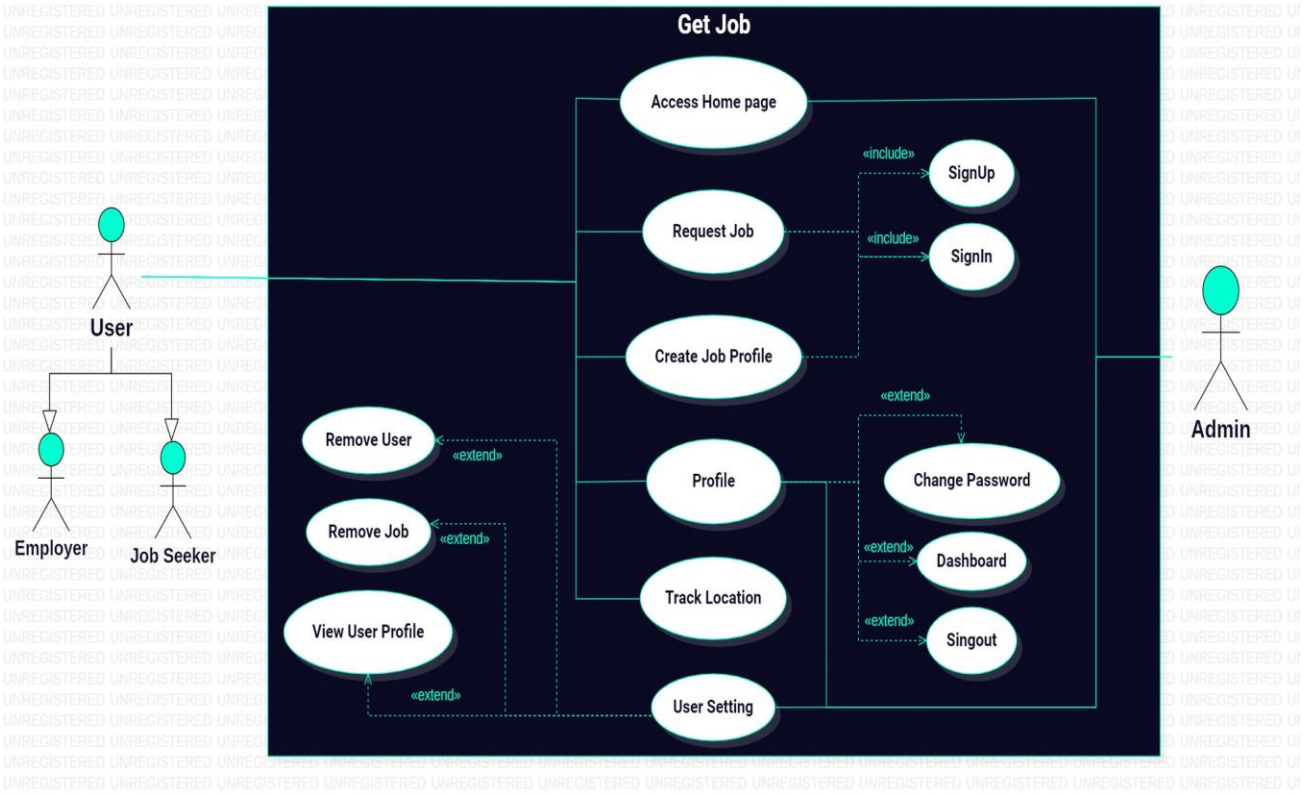


Figure 6.2 Get Job Use Case Diagram

6.2 ER DIAGRAM

ER Diagram stands for Entity Relationship Diagram, also known as ERD is a diagram that displays the relationship of entity sets stored in a database. In other words, ER diagrams help to explain the logical structure of databases. ER diagrams are created based on three basic concepts: entities, attributes and relationships.

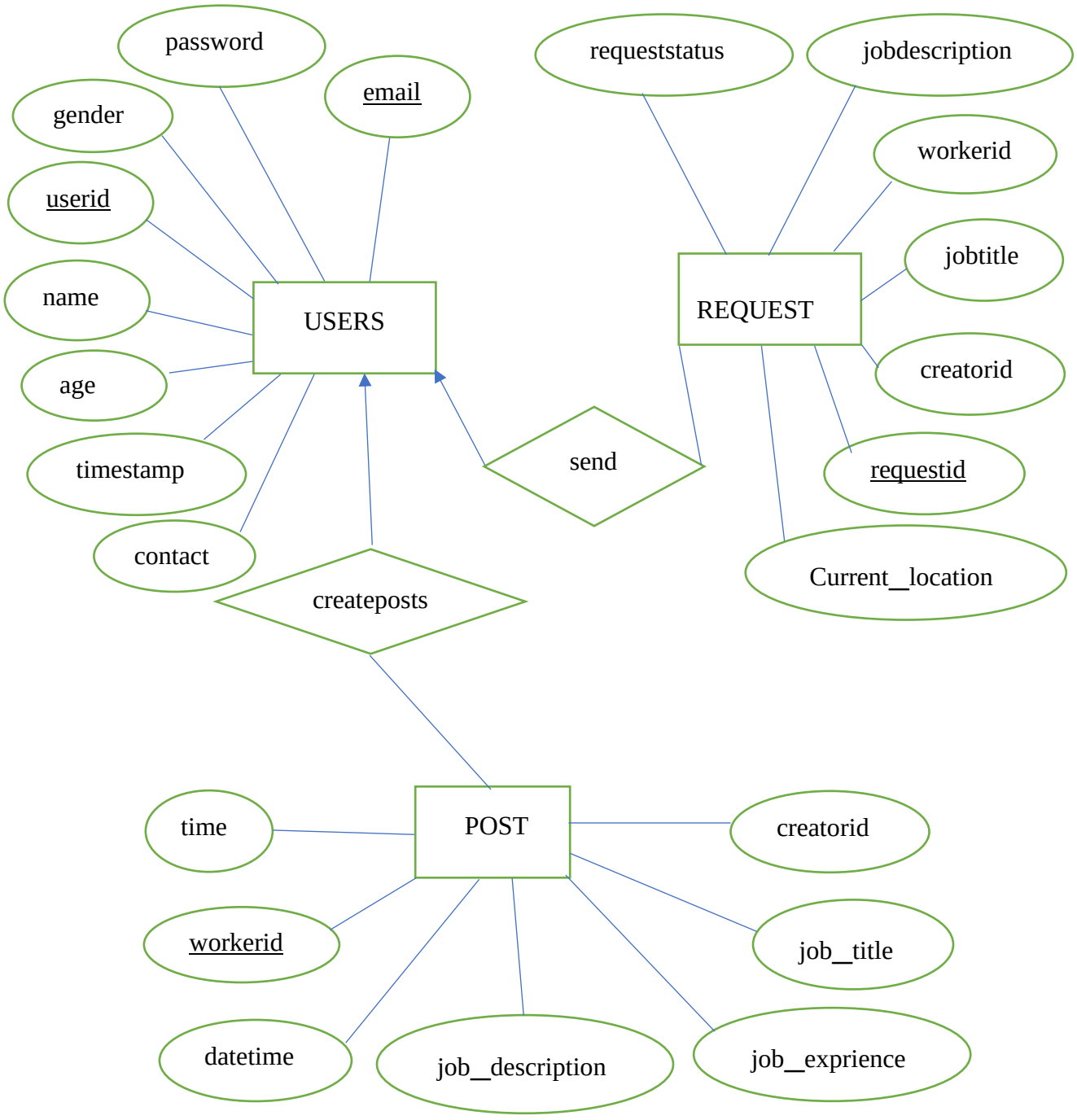


Figure 6.2 Get Job ER Diagram

CHAPTER 7

OUTPUT SCREEN

CHAPTER 7
OUTPUT SCREEN

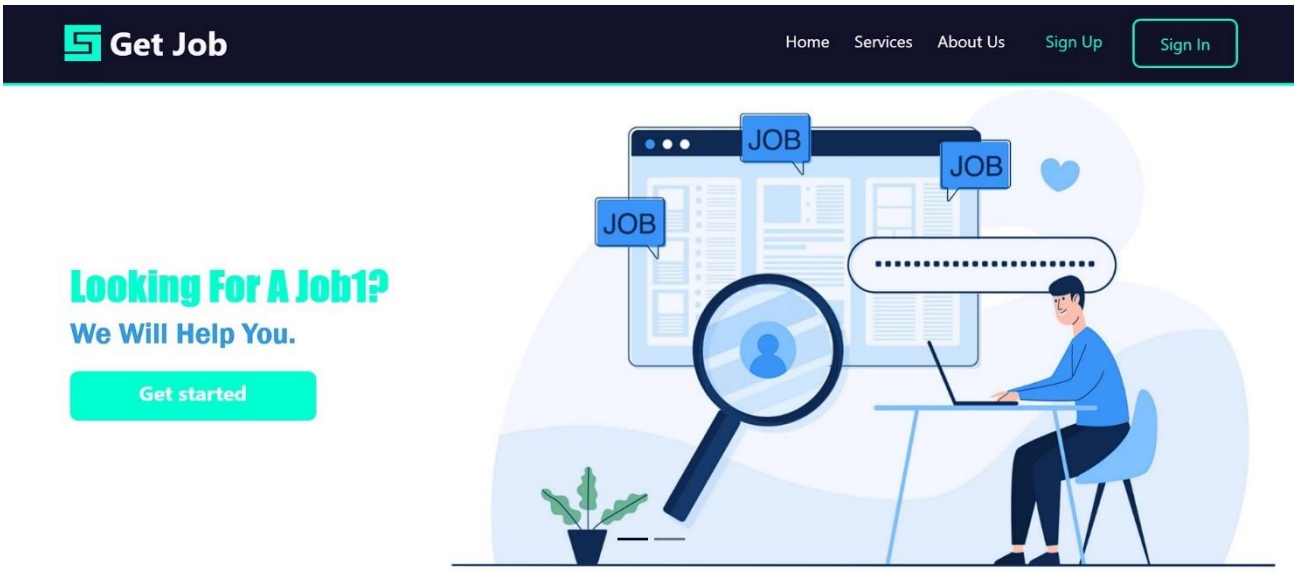


Figure 7.1 Home Page

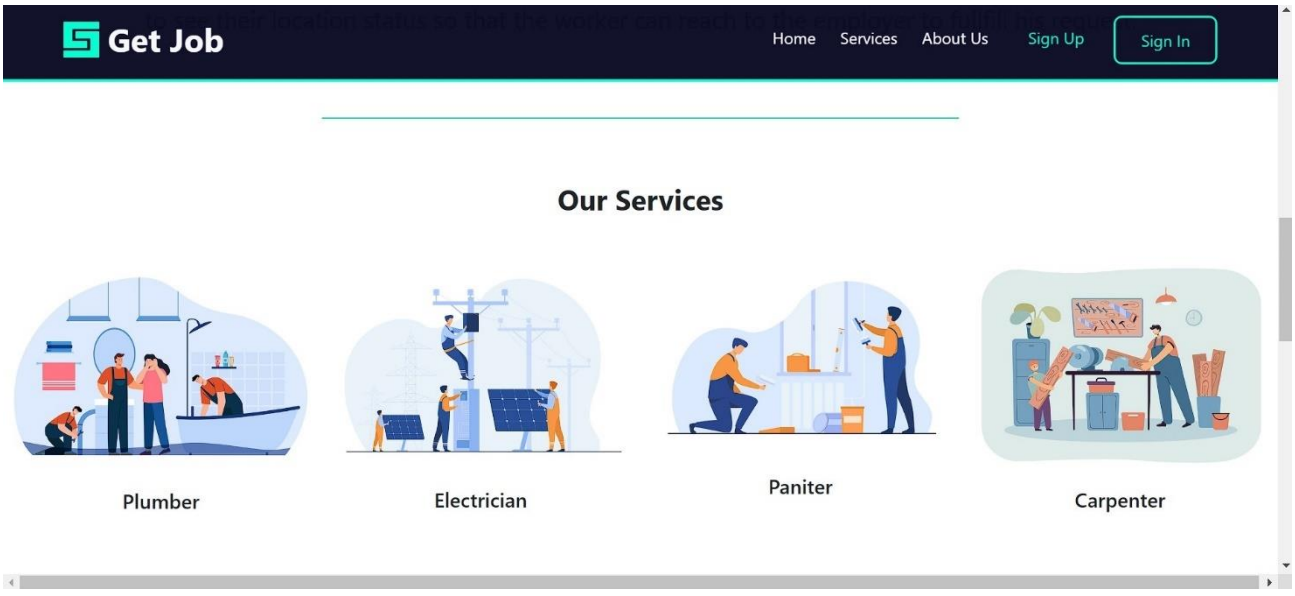


Figure 7.2 Home Page [Services Section]

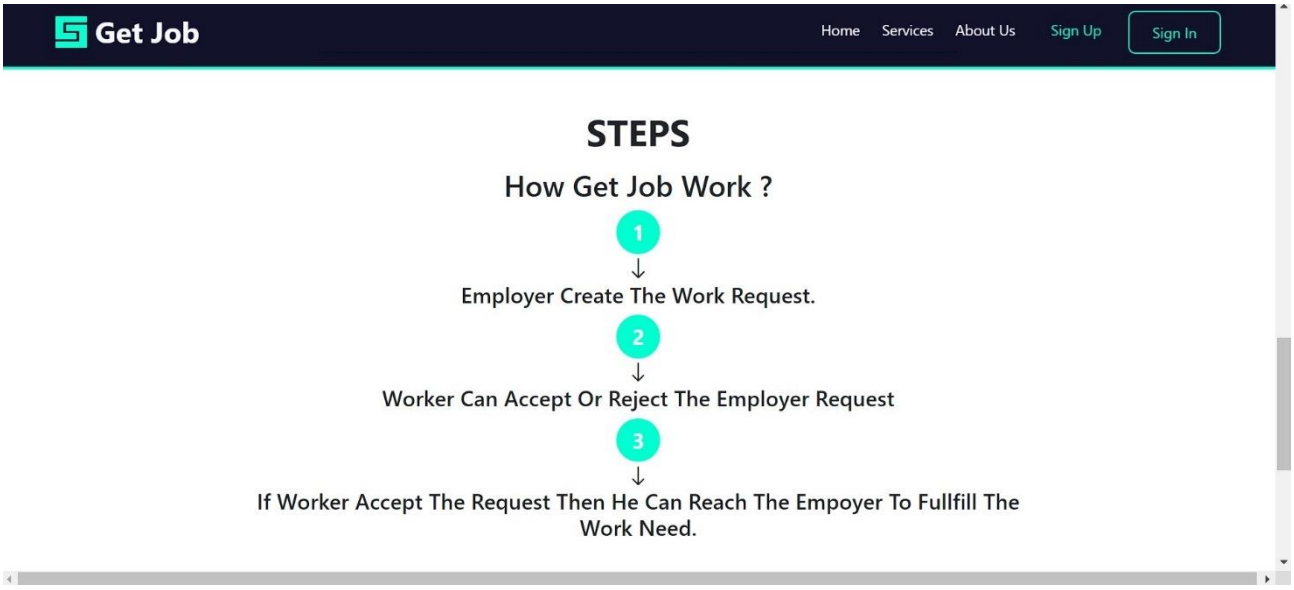


Figure 7.3 Home Page [A Quick Steps to Startup]

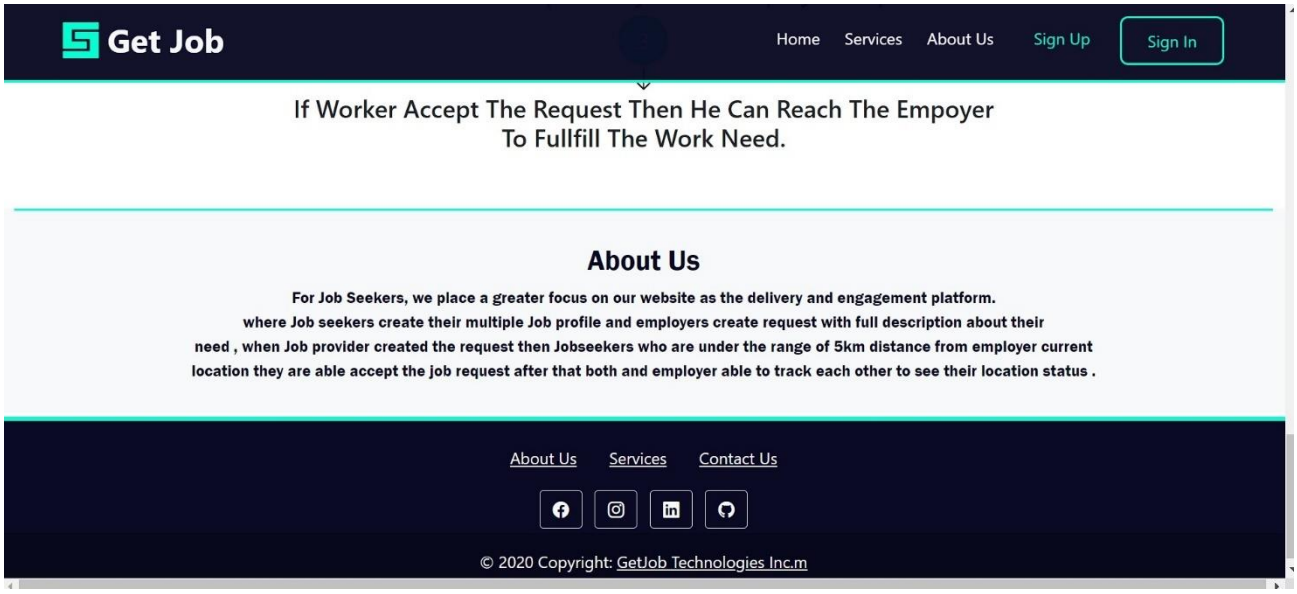


Figure 7.4 Home Page [About Section]

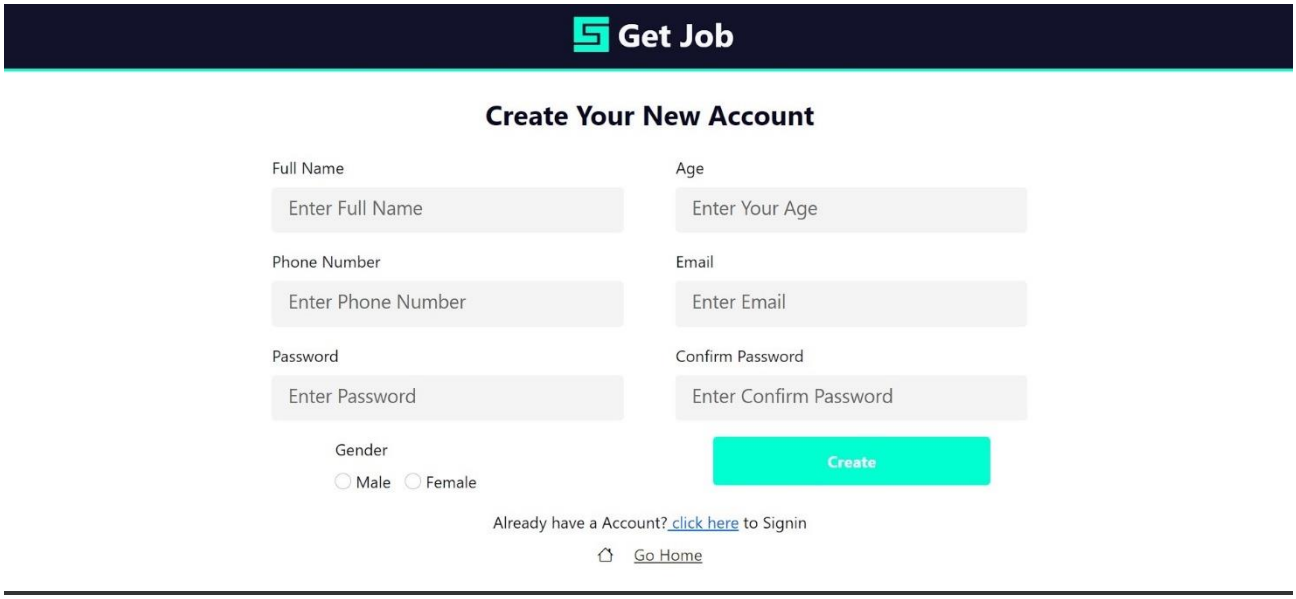


Figure 7.5 SignUp Page

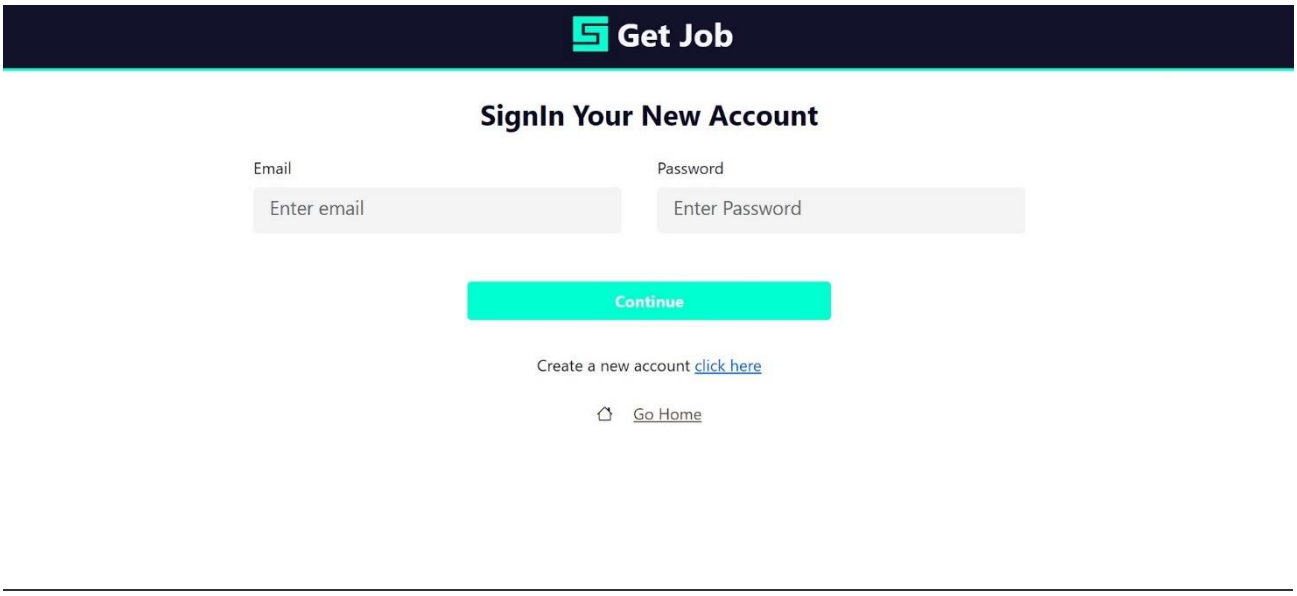


Figure 7.6 SignIn Page

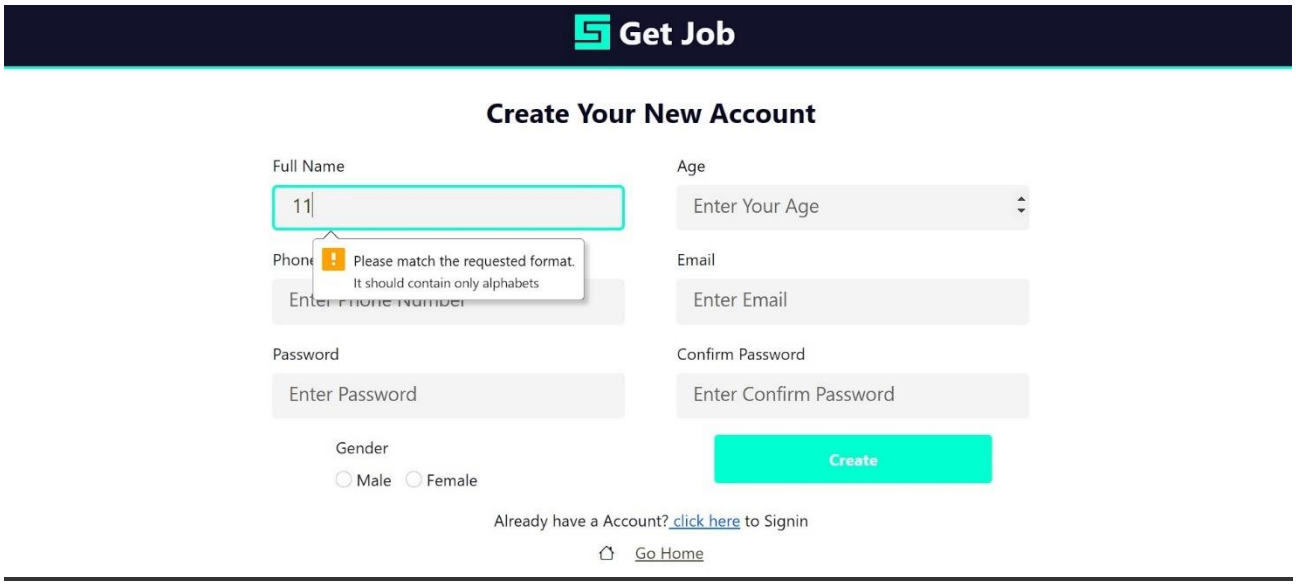


Figure 7.7 SignUp Page [Validation]

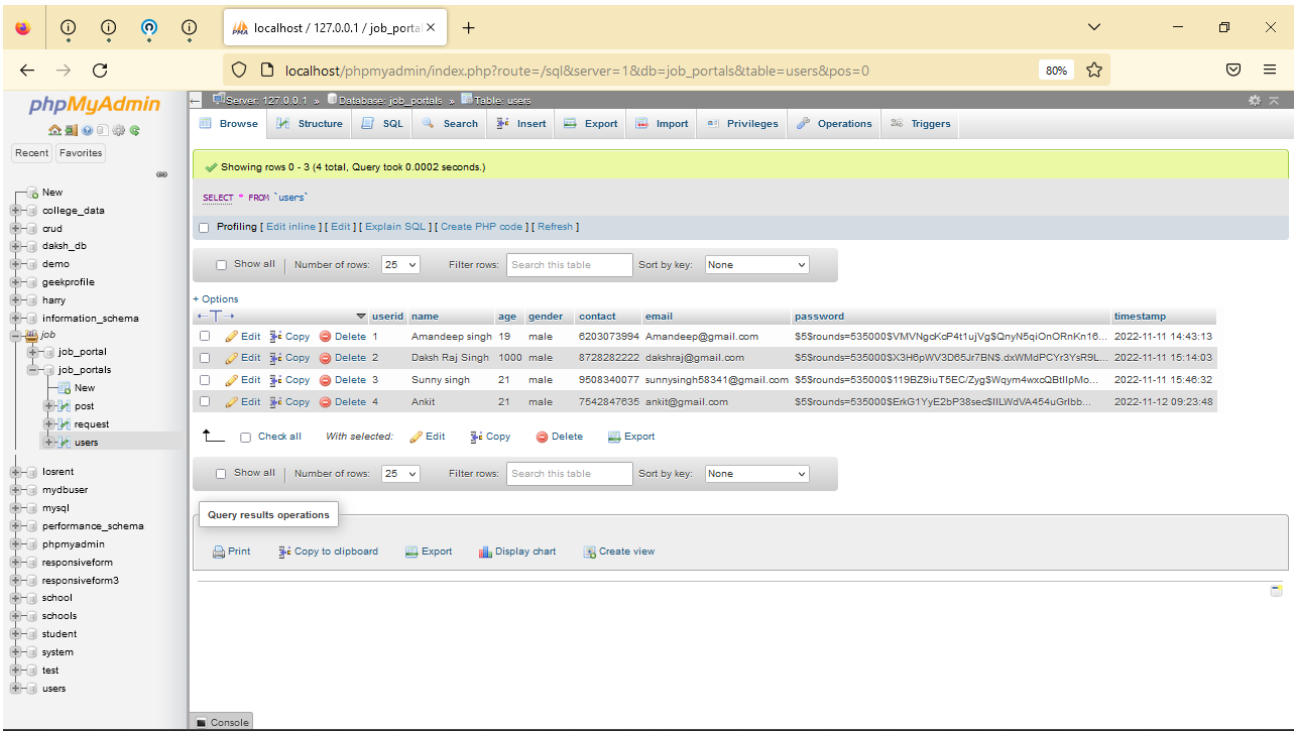


Figure 7.8 SignUp Page [DataBase]

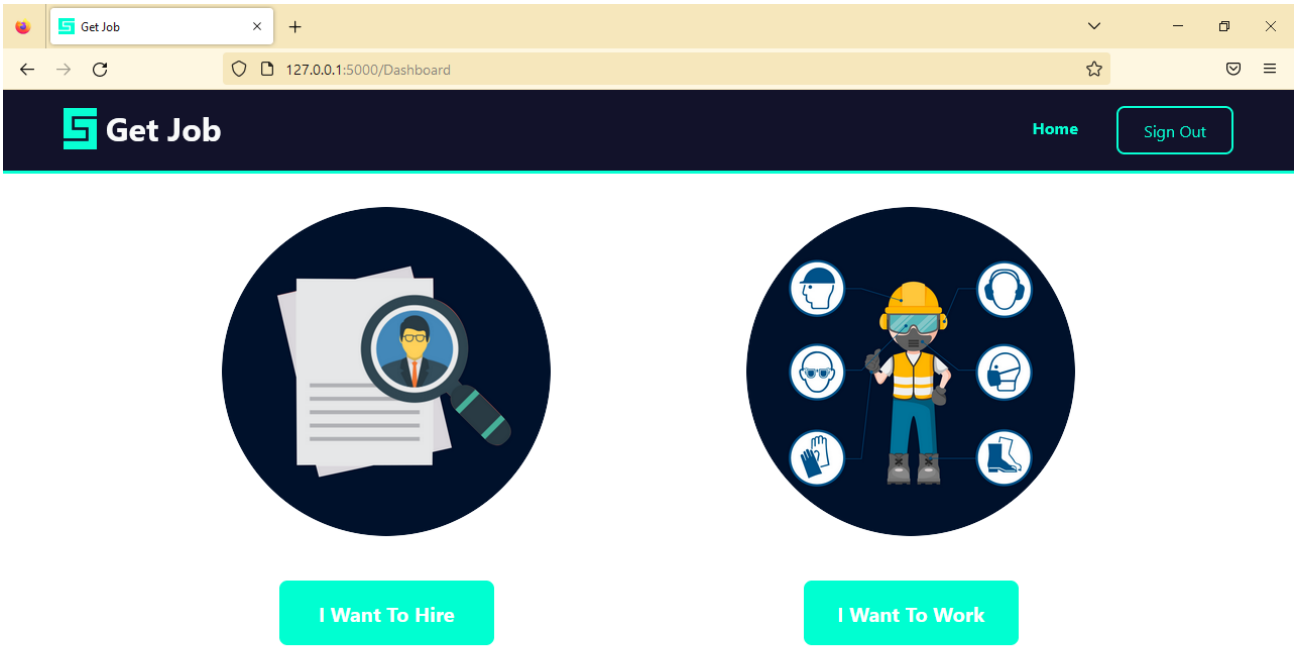


Figure 7.9 Dashboard

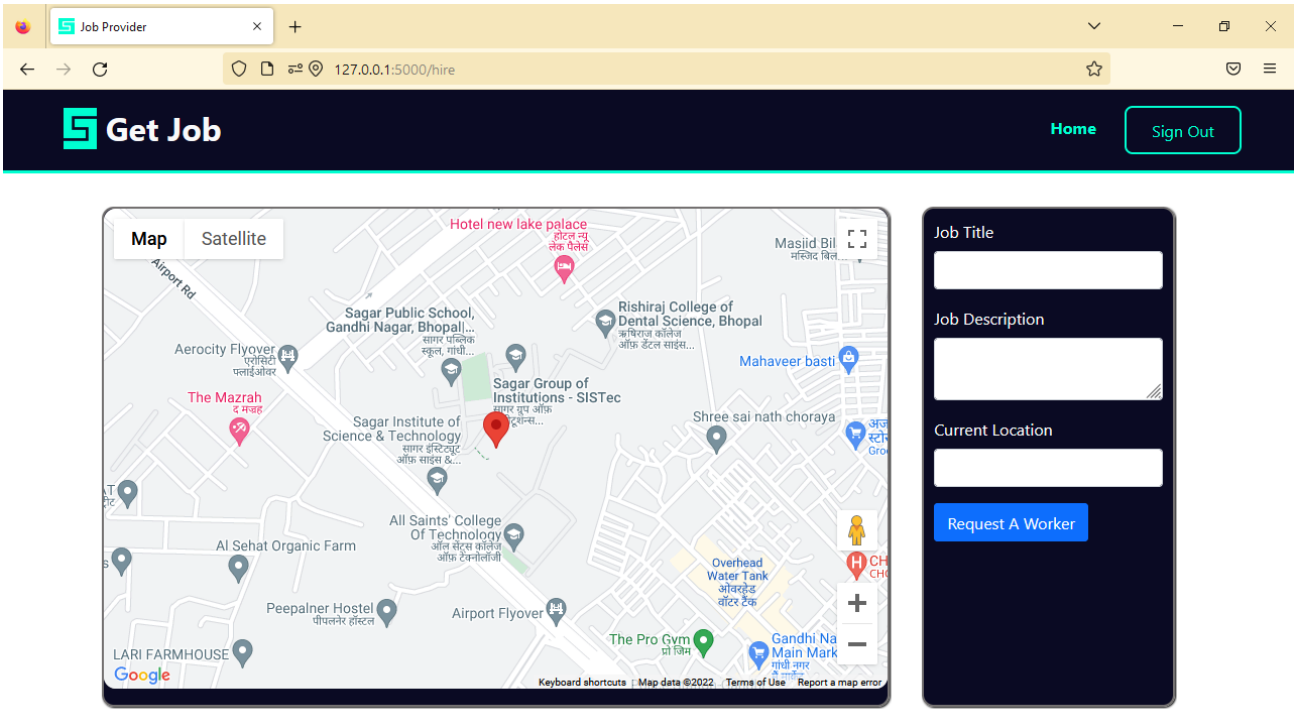


Figure 7.9.1 I Want To Hire Page

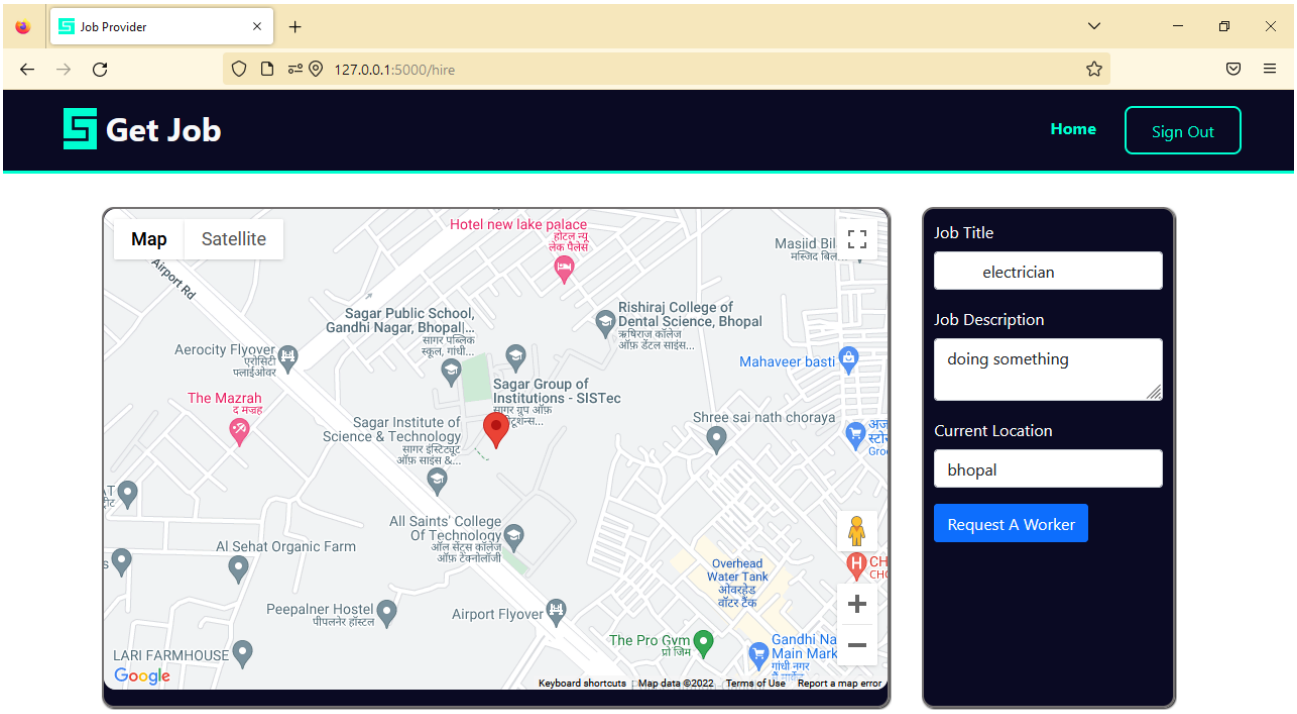
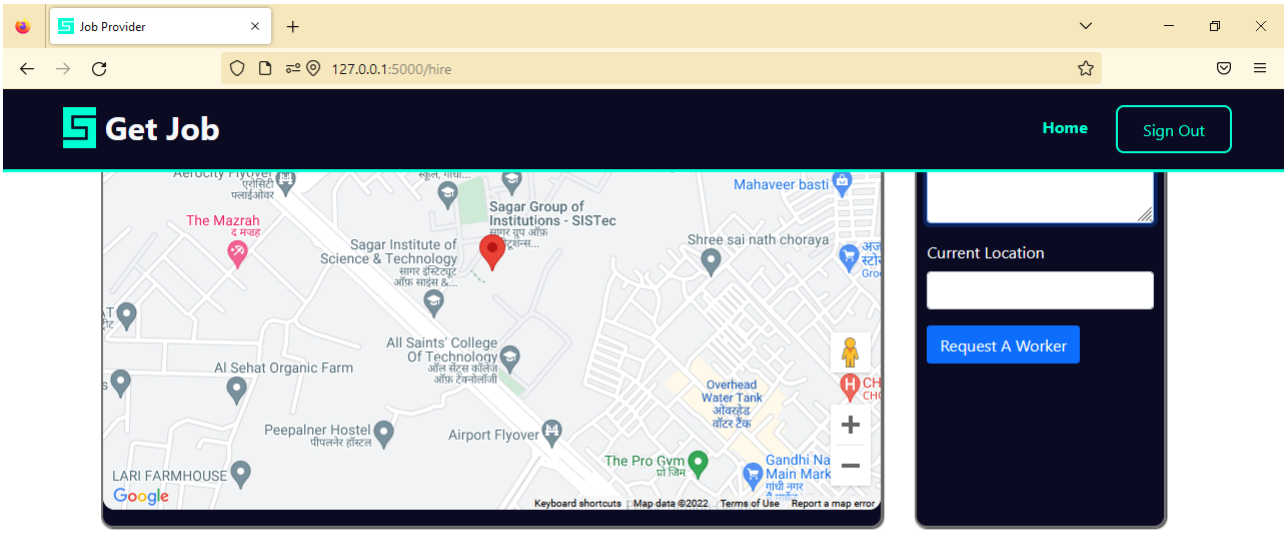


Figure 7.9.2 I Want To Hire Page [Request A worker]



Request Id	Worker Id	Job Title	Job Description	Current Location	Request Status
1	1	electrician	doing something	bhopal	DONE
2	1	fan damage	inside damage	mp	DONE
4	0	electrician	fan damage	bhopal	PENDING

Figure 7.9.3 I Want To Hire Page [Request Status]

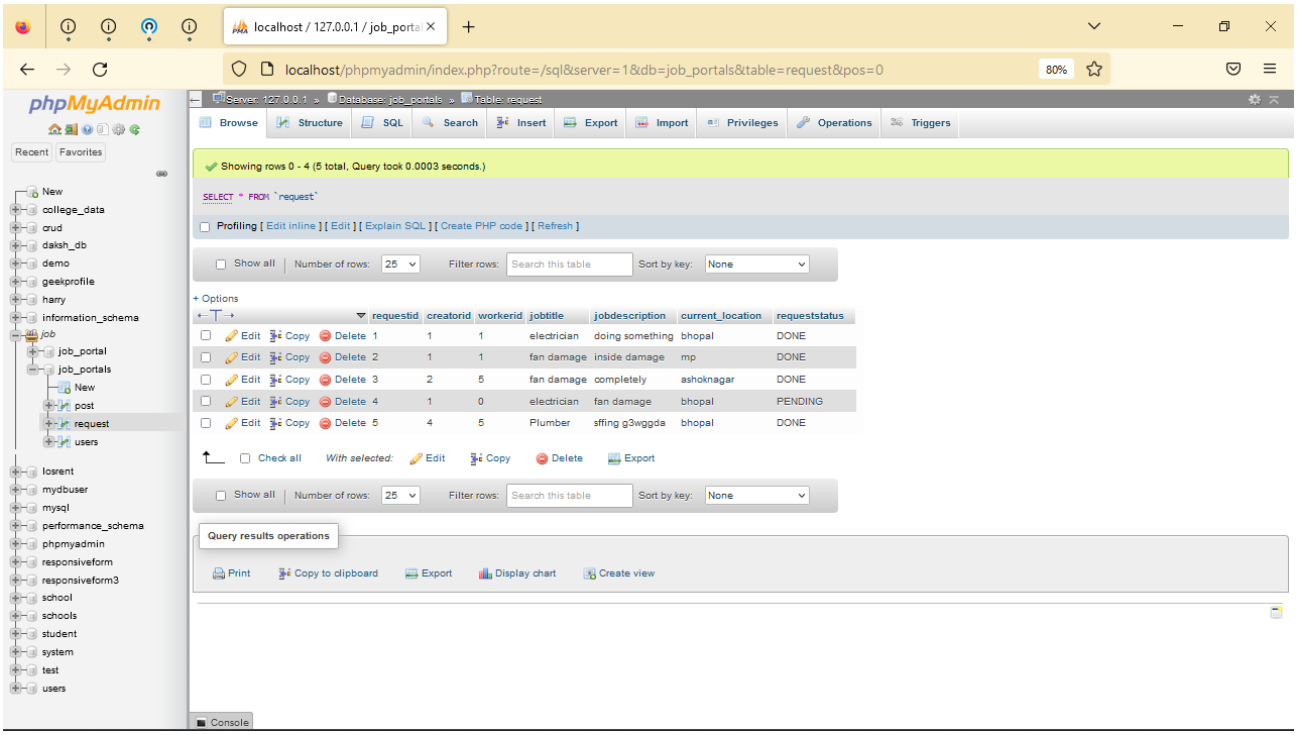


Figure 7.9.4 I Want To Hire Page [DataBase]

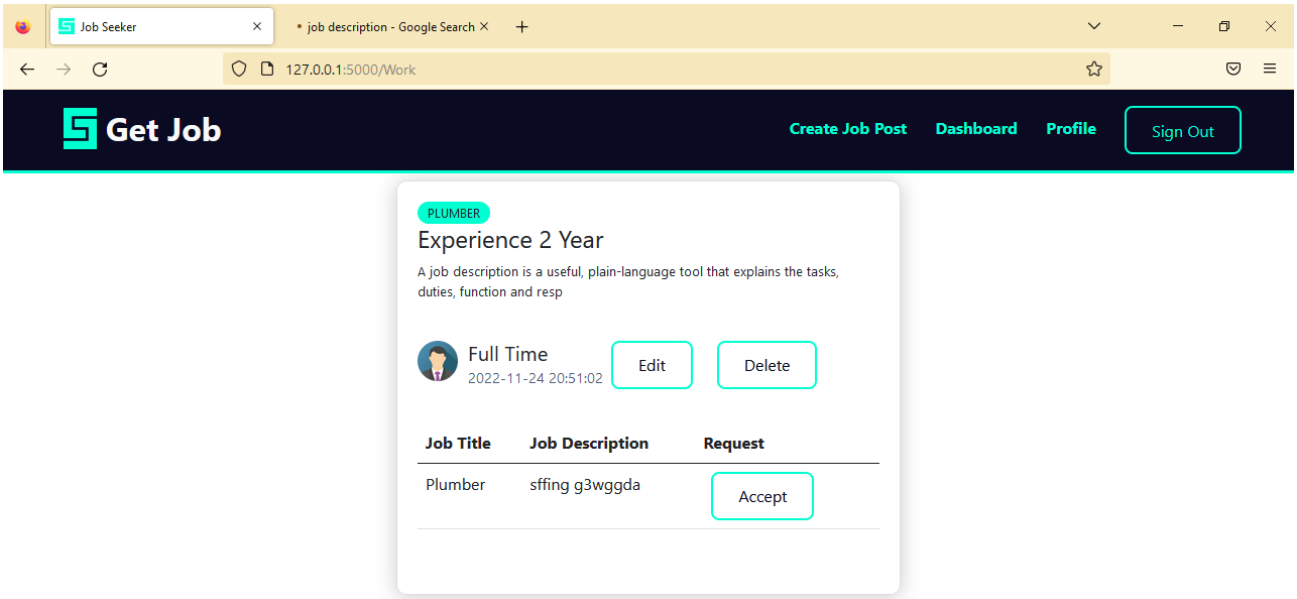


Figure 7.10 I Want To Work Page

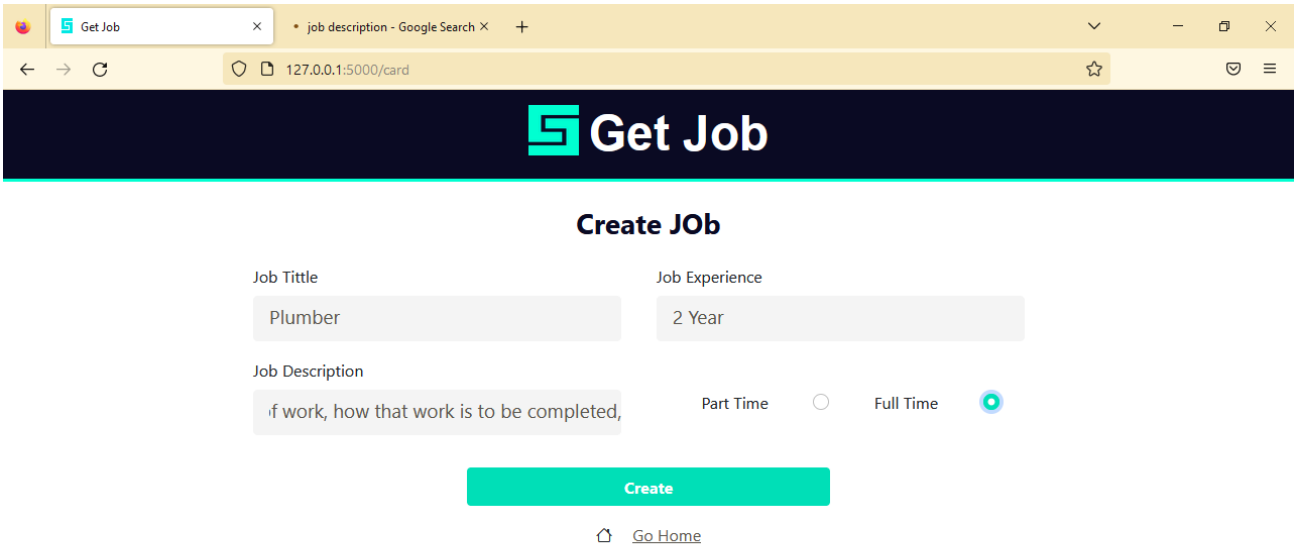


Figure 7.10.1 I Want To Work Page [Create Job]

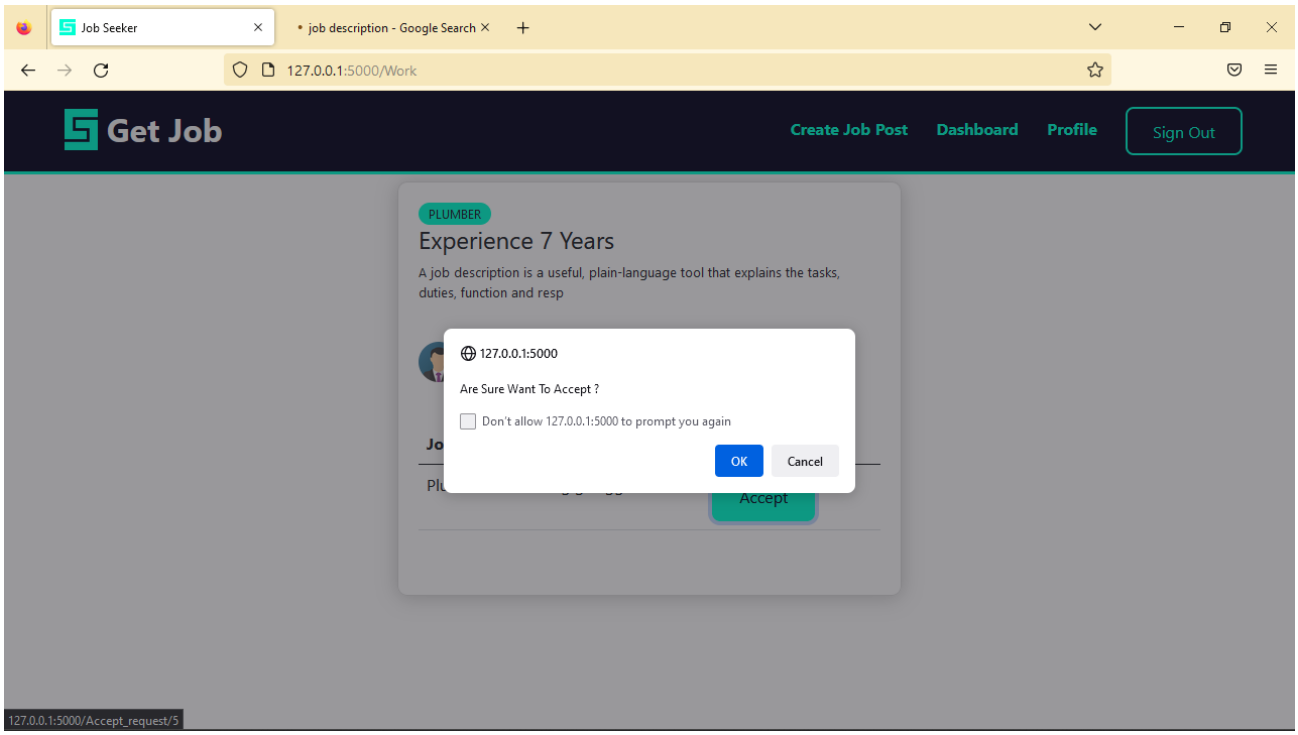


Figure 7.10.2 I Want To Work Page [Accept pop up]

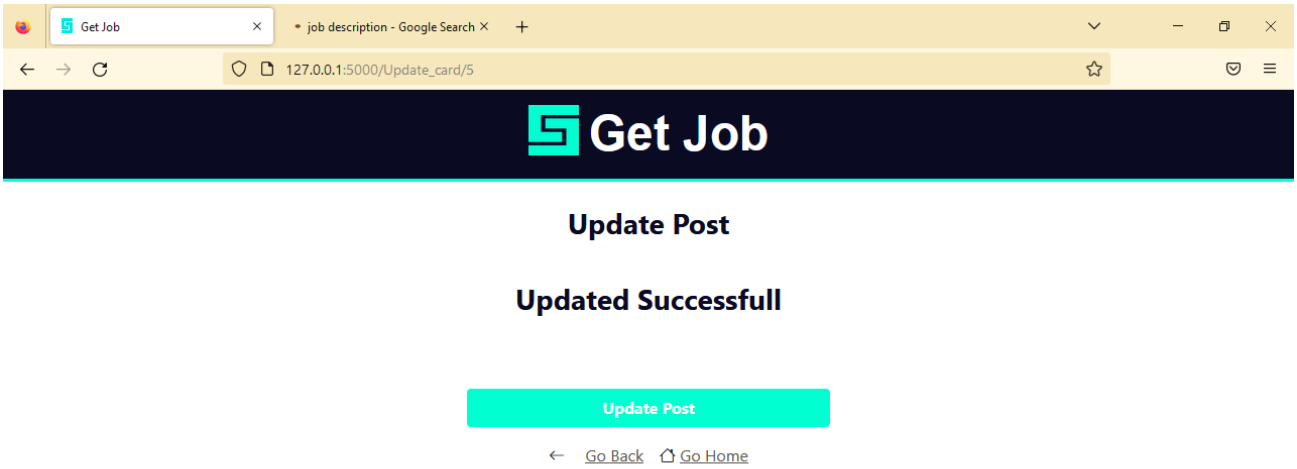


Figure 7.10.3 I Want To Work Page [Update Card]

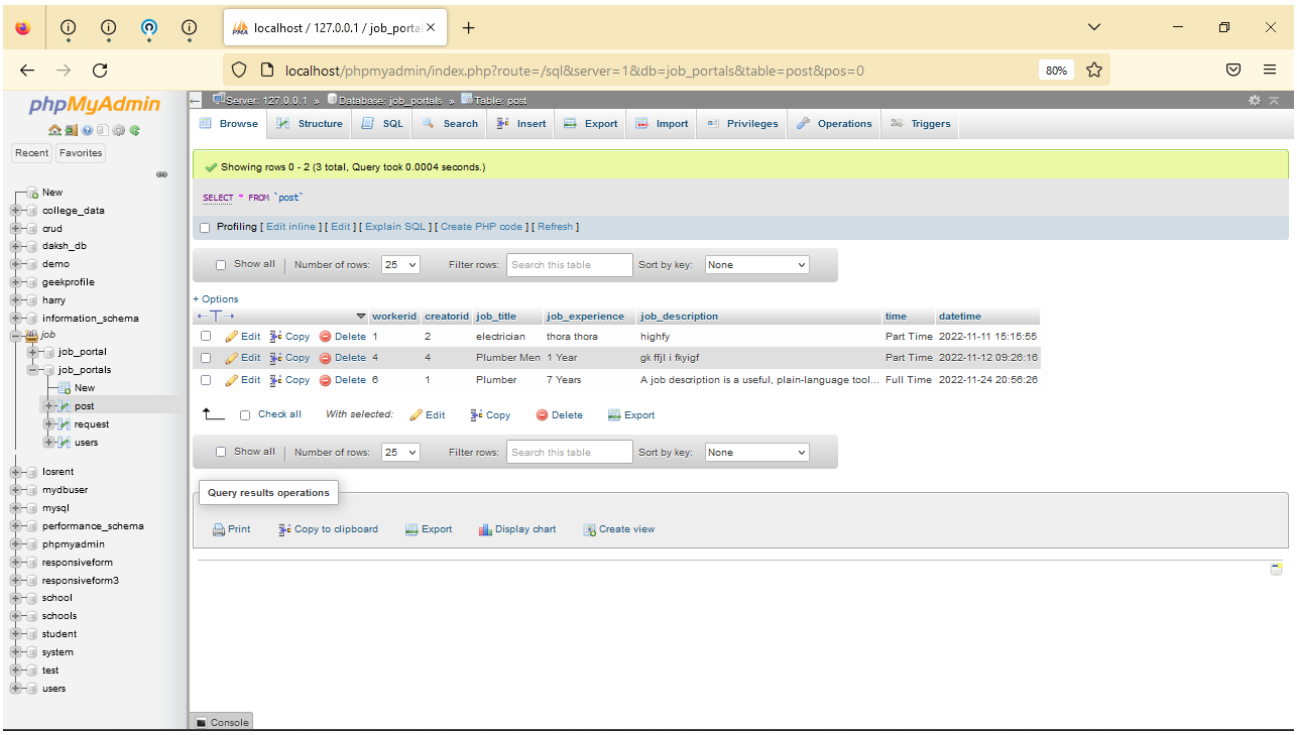


Figure 7.10.4 I Want To Work Page [DateBase]

CHAPTER 8

CONCLUSION AND FUTURE WORK

CHAPTER 8
CONCLUSION AND FUTURE WORK

8.1 CONCLUSION

It has been a great pleasure for me to work on this exciting and challenging project. This project proved good for me as it provided practical knowledge of not only programming in ASP.NET web based application and no some extent Windows Application and SQL Server, but also about all handling procedure related with online job portal.

Our goal with GET JOB the idea is here to eliminate these mediators and connect the employer and worker directly.

For worker , we place a greater focus on our website as the delivery and engagement platform.

where worker create their multiple Job profile and employers create request with full description about their need , when employer created the request then worker who are under the range of 10km distance from employer current location they are able accept the job request after that both worker and employer able to track each other to see their location status .

8.2 FUTURE WORK

It also provides knowledge about the latest technology used in developing web enabled application and client server technology that will be great demand in future. This will provide better opportunities and guidance in future in developing projects independently.

Our project is nearly complete however some future enhancements would sure enough create our project a lot more user friendly.

Some additional feature that we would like to reinforce: -

- To launch in android and ios as soon possible .
- Switching into new latest technology like reat ,node and Django

About Project

Title of the project	GET JOB
Semester	5
Members	4
Team Leader	Daksh Raj Singh
Describe role of every member in the project	Daksh Raj Singh — Frontend and Graphics Dikshant Kumar Bhatiya — Frontend and Backend Amandeep Singh — Frontend Deepak kumar — Frontend ,Backend and Database
What is the motivation for selecting this project?	Uber and Ola but these are for only automobile , We decided to make it as handyman services.
Project Type (Desktop Application, Web Application, Mobile App, Web)	Web - Application

Tools & Technologies:

Programming language used	HTML, CSS, JAVASCRIPT,PYTHON
Compiler used (withversion)	VSCODE (1.73.1)
IDE used (with version)	VSCODE
Front End Technologies (with version, wherever Applicable)	HTML5, CSS3 , JAVASCRIPT ES6
Back End Technologies (with version, wherever applicable)	FLASK (2.2.2)
Database used (with version)	MYSQL (5.0.37)

Software Design Coding:

Is prototype of the software developed?	No
SDLC model followed (Waterfall, Agile, Spiral etc.)	Agile
Why above SDLC model is followed?	Everyone worked on different components
Justify that the SDLC model mentioned above is followed in the project.	Project was divided into different components and each component was made by different member.
Software Design approach followed (Functional or Object Oriented)	Object Oriented
In case Object Oriented approach is followed, which of the OOPS principles are covered in design?	Encapsulation, polymorphism
No. of Tiers (example 3-tier)	3-tier
Total no. of front end pages	0
Total no. of tables in database	3
Database is in which Normal Form?	First
Are the entries in database encrypted?	No
Front end validations applied (Yes / No)	Yes
Session management done (in case of web applications)	Yes
Is application browser compatible (in case of web applications)	Yes
Exception handling done (Yes / No)	Yes
Commenting done in code (Yes / No)	Yes
Naming convention followed (Yes / No)	Yes
What difficulties faced during deployment of project?	Difficulty in connecting database to backend, difficulty in applying exception handling
Total no. of Use-cases	1
Give titles of Use-cases	GET JOB Use Case Diagram

Project Requirements

MVC architecture followed (Yes / No)	Yes
If yes, write the name of MVC architecture followed (MVC-1,MVC-2)	MCV - 1
Design Pattern used (Yes / No)	Yes
If yes, write the name of Design Pattern used	MCV
Interface type (CLI / GUI)	GUI
No. of Actors	2
Name of Actors	User , Admin
Total no. of Functional Requirements	13
List few important non Functional Requirements	Performance & Scalability,Portability & Compatibility,Reliability,Maintainability, Availability,Security,Usability

Testing

Which testing is performed ?(Manual orAutomation)	Manual
Is Beta testing done for this project?	Yes

Write project narrative covering above mentioned points

The idea is here to eliminate these mediators and connect the employer and worker directly.For worker,we place a greater focus on our website as delivery and engagement platform.In this website where worker create their multiple Job profile and employers create request with full description about their need , when employer created the request then worker who are under the range of 10km distance from employer current location they are able accept the job request after that both worker and employer able to track each other to see their location status

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Signature

(Prof. Ruchi Jain)