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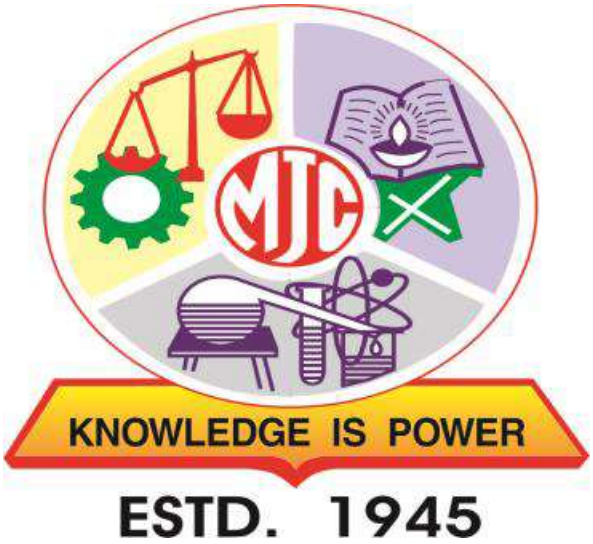

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A

PROJECT REPORT ON

"***Job Portal*** "

At

Moolji Jaitha College (Autonomous), Jalgaon

Submitted In Partial Fulfilment of the Award of the Degree

B.SC. (Computer Science)

(2021-22)

~: Submitted By :~

Miss. Akanksha Sharad Chaudhari

Khandesh College Education Society's

Moolji Jaitha College (Autonomous), Jalgaon

Department of Computer Science

~: CERTIFICATE :~

To whom so ever it may concern,

This is to certify that "**Akanksha Sharad Chaudhari**", have been submitted the project entitled, "**Job Portal**" for the partial fulfilment of the award of degree Bachelor of Science (Computer Science) as prescribed by Moolji Jaitha College (Autonomous), Jalgaon during academic year 2021-22.

Miss. Ujjwala Mahajan **Miss. Hemlata Patil**

Guide Head of

Dept of Computer Science

…… …….

(Examiner1) (Examiner2)

-: INDEX :-

1.Introduction

1.1 Introduction

People are unable to get access to job opportunities due to inefficient distribution of information on job offers but now the Internet has made a huge impact on knowledge management and information dissemination all over the world. The Internet has changed the way of looking for job vacancies and searching for right and qualified candidates, through the development of job portals. Job portal system has made job searching processes easier. This project deals with the design and development of a Job Portal System. The purpose of this project is to develop a web-based system for users that will eliminate or reduce the manual work in job searching process and also reduce cost and time spent when advertising job vacancies. It allows job seekers to register online, search and apply for employment and also allows recruiters to register online, post job vacancies and look for suitable candidates.

1.2 Need

- Helps to know HR policies.
- Easy job viewing and browsing.
- Searching and applying for a job is easy.

1.3 Aim:-

Thousands of job seekers move from one business to another every day in search of a job. This process of seeking job is a huge task that job seekers have to go through every day before they get job as it is time consuming and also costly.

The main aim of the research is to develop a web-based system that will hopefully eliminate or reduce the manual work in job searching process and also reduce cost and time when advertising their job vacancies.

The system will provide job seekers the platform where they can search for jobs easily and faster.

2. Software Requirement Analysis

2.1 System Requirement Specification:-

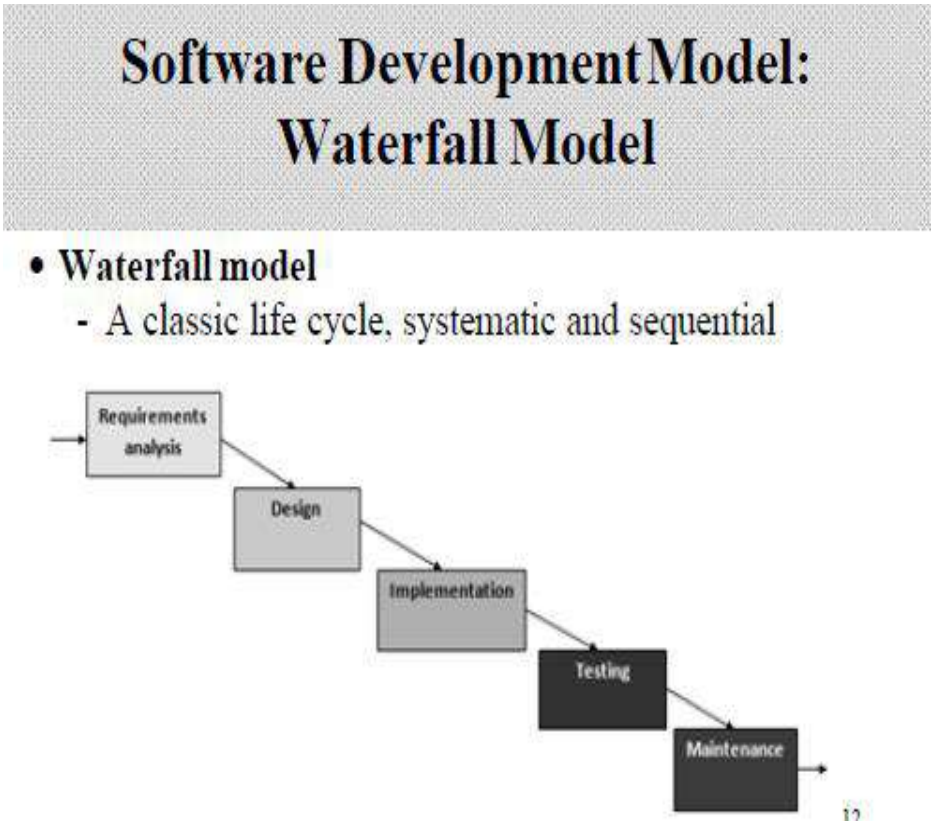
Software requirements specification gives a complete description of the behaviour of the system being developed. This includes the minimum requirements (hardware and software requirements) that is required by the system to ensure high performance. For developers to derive requirements of a system, it is important to get a clear and thorough understanding of

the products or system being developed. This is achieved through detailed communication with users of the system. These requirement identifications and gathering of the system is what is acknowledged in technical terms as specifications.

2.2 Software Process Model And Development:-

A software development in software engineering is a framework that is used to structure, plan and control the process of developing an information system. A methodology

defines a paradigm (i.e. approach) to be used and a precise lifecycle to be used. In the development of this system, an Iterative and Waterfall Methodology was used to ensure systematic and sequential flow of the system stages and also considering error fixing during and after development.



2.3 Hardware And Software Requirements:-

Hardware Requirements

- Core i3 processor.
- Minimum 4GB RAM.
- Maximum 500 GB HDD.
- Input Devices: Keyboard, Mouse.

Software Requirements

1. PHP
2. Database
   - MySQL Database Server
3. Web Server
   - Apache

Technologies Used

Presentation Layer

Web Interface

- PHP(Hypertext Pre-Processor)
- HTML (Hypertext Markup Language)
- CSS(Cascading Style Sheet)

Database Layer

- SQL

3. Technical Details

3.1 PHP (Hypertext Pre-Processor):-

PHP is an acronym for “Hypertext Pre-processor” and is a server-side programming language used for web development. It is a widely used, open source scripting language. PHP language has its roots in C and C++ so it is easy to learn and manipulate. PHP can run on both UNIX and Windows servers. In the development of this job portal , PHP was chosen because it is dynamic, cheap and easy to setup, secure, fast, reliable and can interact with many different relational database management systems (DBMS).

3.2 MYSQL (Database Server):-

MySQL is one the world's most popular open source database management system. It is a free to- use, open source database that enables users to create database and perform various forms of data manipulations and database administration. MySQL was chosen for the development of this system because of its advanced features like the following:

- Data Security
- On-Demand Scalability
- High Performance
- Complete workflow control
- Easy to learn and use.

3.3 HTML and CSS:-

HTML is a language for describing web pages.

- HTML stands for **H**yper **T**ext **M**arkup **L**anguage
- HTML is not a programming language, it is a **markup language**
- A markup language is a set of **markup tags**
- HTML uses **markup tags** to describe web pages
-

HTML markup tags are usually called HTML tags

- HTML tags are keywords surrounded by **angle brackets** like <html>
- HTML tags normally **come in pairs** like and
- The first tag in a pair is the **start tag,** the second tag is the **end tag**
- Start and end tags are also called **opening tags** and **closing tags**.

HTML Documents

- HTML documents **describe web pages**
- HTML documents **contain HTML tags** and plain text
- HTML documents are also **called web pages.**

• CSS:-

- **CSS** stands for **C**ascading **S**tyle **S**heets
- Styles define **how to display** HTML elements
- Styles are normally stored in **Style Sheets**
- Styles were added to HTML 4.0 **to solve a problem**
- **External Style Sheets** can save you a lot of work
- External Style Sheets are stored in **CSS files**
- Multiple style definitions will **cascade** into one
- CSS provides means to customize inbuilt HTML tags

4.Preliminary Design

4.1 Introduction

The system design phase focuses on the system. Emphasis is on translation specification in to specification. This phase is transition from user oriented document to a document to the programmer of the databse personal.

Software design focuses on three distinct attributes of the program

- Data structure
- Software Architecture
- Procedural Details

4.2 Preliminary Design

The preliminary design is concern with the transformation of requirements into data and software architecture. In Preliminary Design

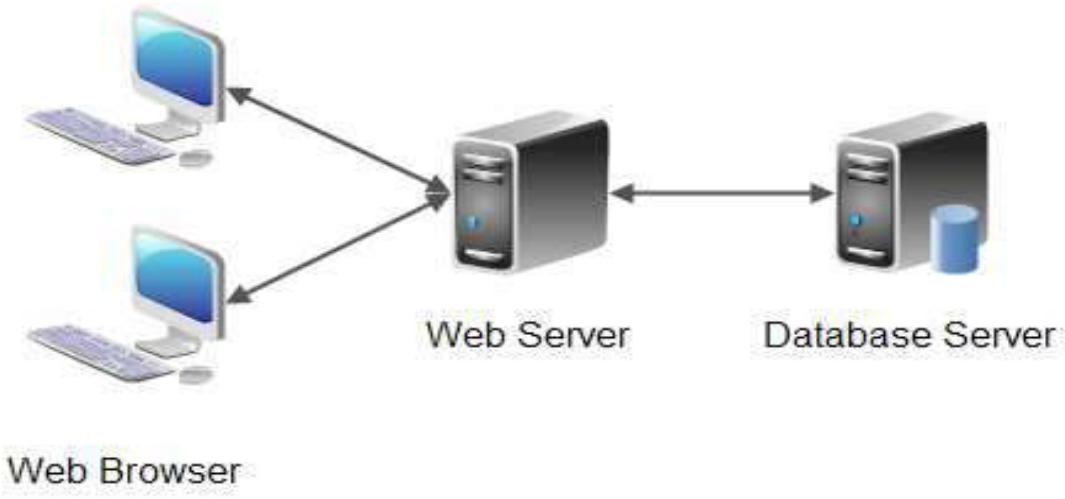
4.3 System Architecture

The architectural design of a system emphasizes the design of the system architecture that describes the structure, behaviour and more views of that system and analysis.

The three-tier architecture model was used in the development of this system.

This type of design consists of three tiers;

- The client tier – this is usually the interface, web browser, that interacts with the application. Examples of web browsers are Internet Explorer, Mozilla Firefox, Google Chrome, Microsoft Edge, Opera, etc.
- The second/middle tier – this consists of the application logic that communicates data or information between other two tiers.
- The database tier – this consists of the database managements system that manages the database.

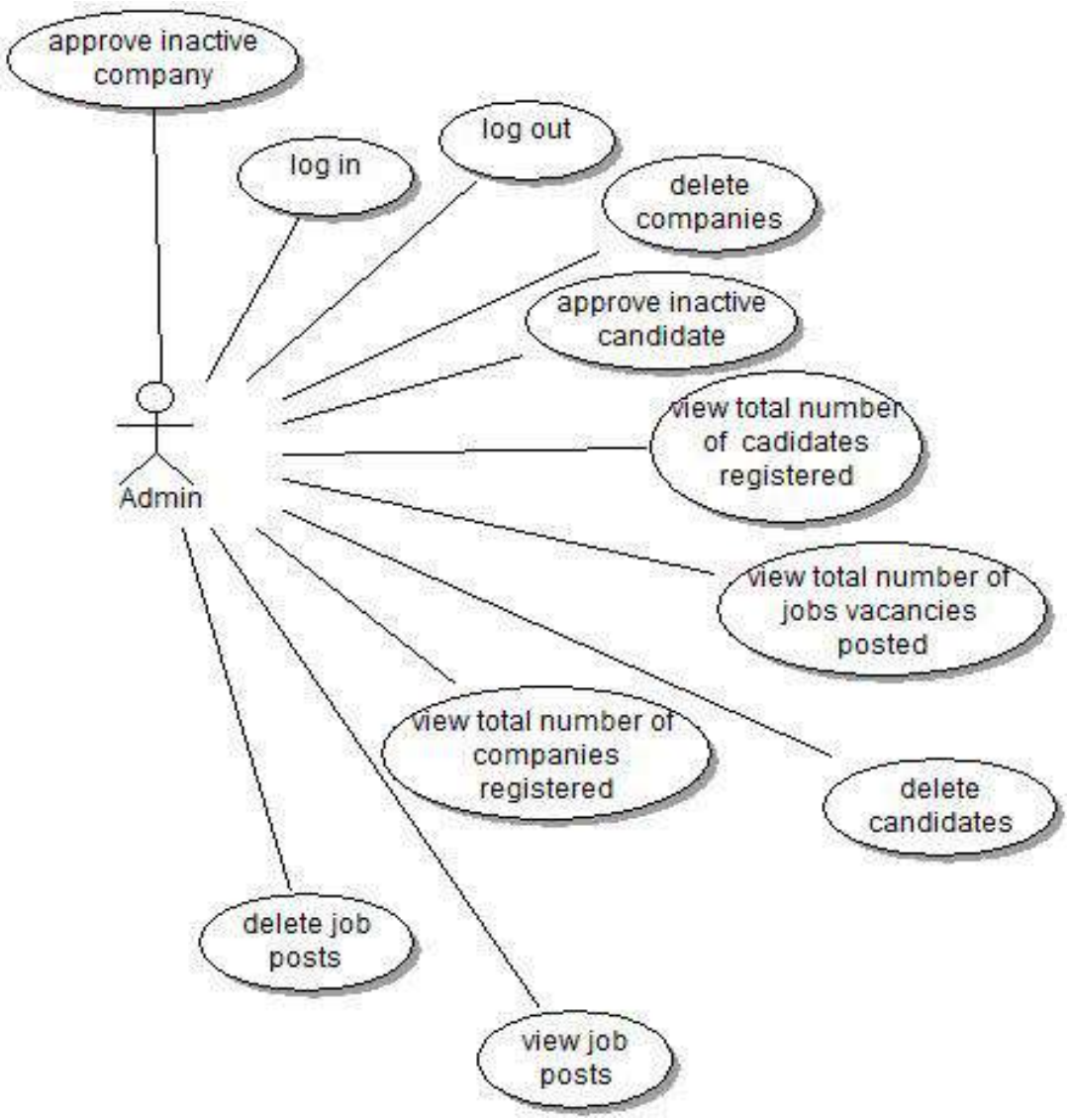


4.4 Use Case Diagram

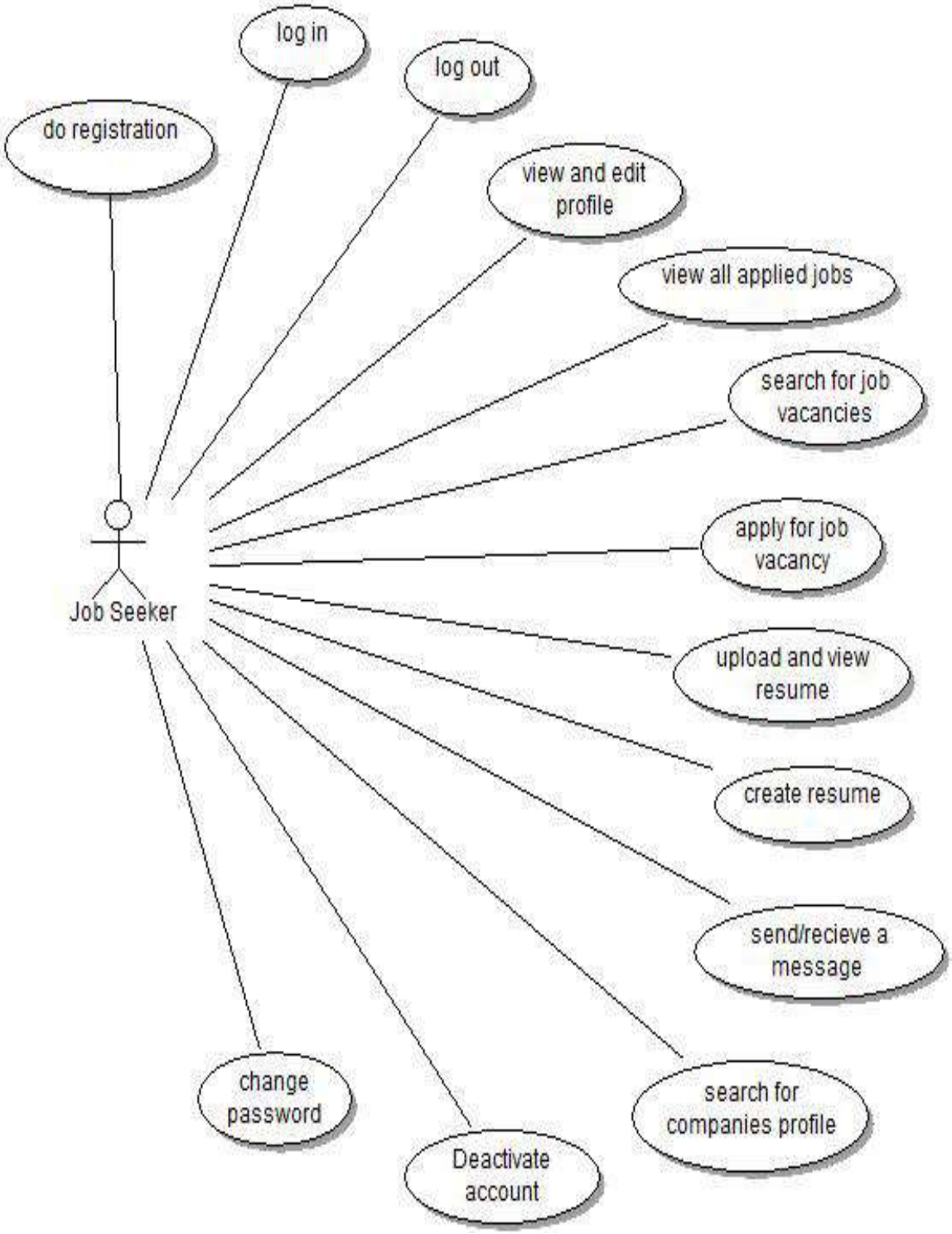
In Software Engineering, a use case is used to describe the steps between a user and a software system which guides the user to useful output. The user (also called an actor) could be a human user, an external hardware, software systems, or other subjects.

Use case diagram give a description of the behaviour of the target system from an external point of view. A use case diagram consists of actors, use case(s) and the relationship between them.

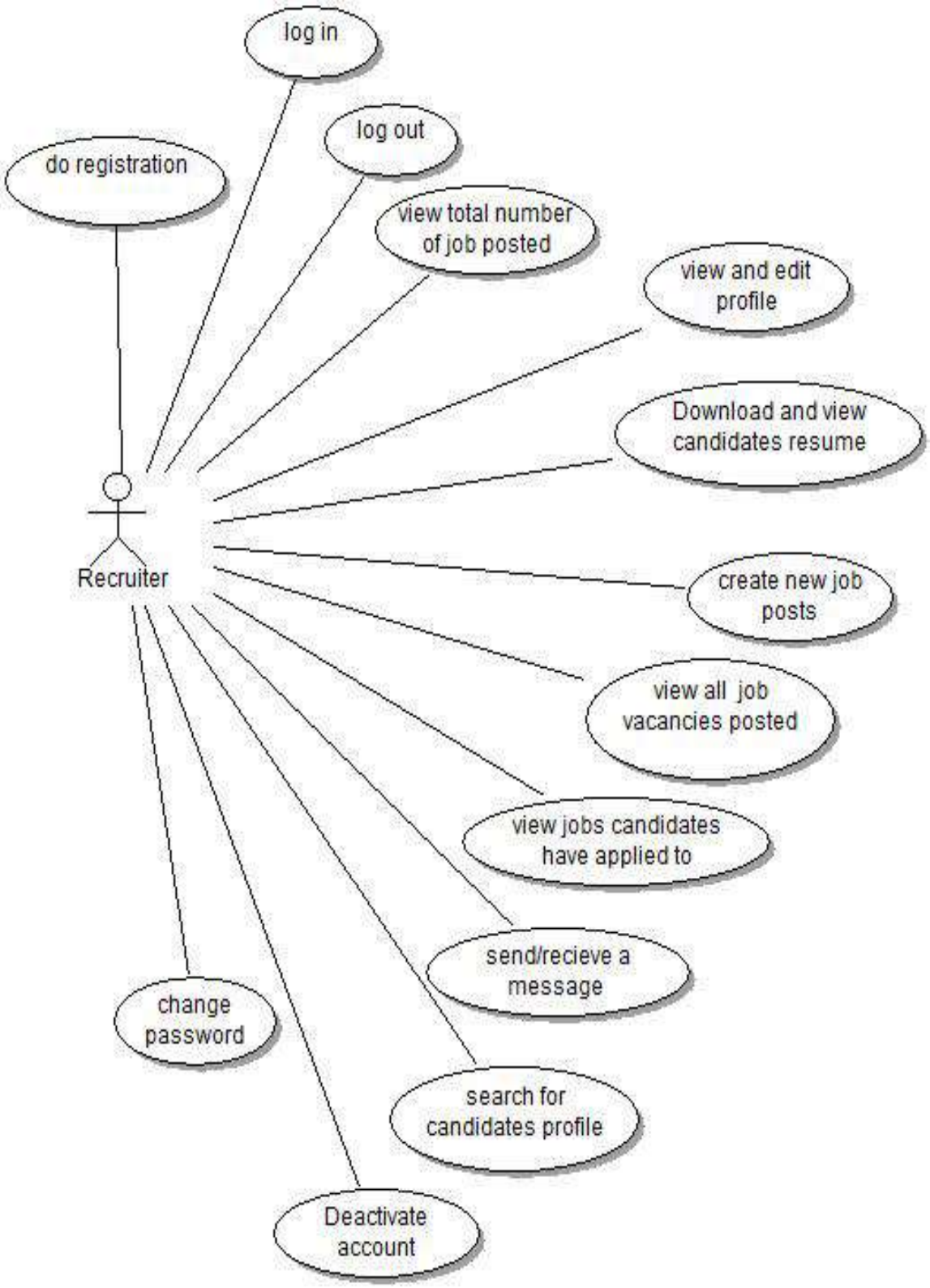
4.4(A) User case Diagram For Administrator



4.4(B) User Case Diagram For Job Seeker



4.4.(C) User Case Diagram For Recruiter



4.5 Data Flow Diagram

A data flow diagram is graphical tool used to describe and analyze movement of data through a system. These are the central tool and the basis from which the other components are developed. The transformation of data from input to output, through processed, may be described logically and independently of physical components associated with the system. These are known as the logical data flow diagrams. The physical data flow diagrams show the actual implements and movement of data between people, departments and workstations. A full description of a system actually consists of a set of data flow diagrams. Using two familiar notations Yourdon, Gane and Sarson notation develops the data flow diagrams. Each component in a DFD is labeled with a descriptive name. Process is further identified with a number that will be used for identification purpose. The development of DFD'S is done in several levels. Each process in lower level diagrams can be broken down into a more detailed DFD in the next level. The lop-level diagram is often called context diagram. It consists a single process bit, which plays vital role in studying the current system. The process in the context level diagram is exploded into other process at the first level DFD.

The idea behind the explosion of a process into more process is that understanding at one level of detail is exploded into greater detail at the next level. This is done until further explosion is necessary and an adequate amount of detail is described for analyst to understand the process. Larry Constantine first developed the DFD as a way of expressing system requirements in a graphical from, this lead to the modular design.

A DFD is also known as a "bubble Chart" has the purpose of clarifying system requirements and identifying major transformations that will become programs in system design. So it is the starting point of the design to the lowest level of detail. A DFD consists of a series of bubbles joined by data flows in the system.

DFD SYMBOLS:

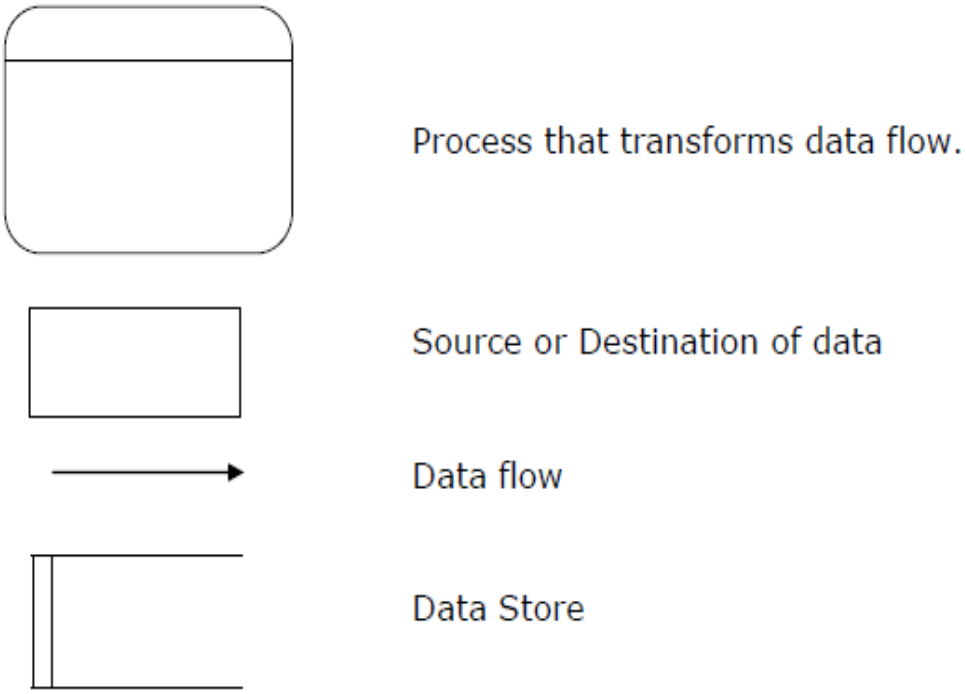
In the DFD, there are four symbols

1. A square defines a source(originator) or destination of system data

2. An arrow identifies data flow. It is the pipeline through which the information flows

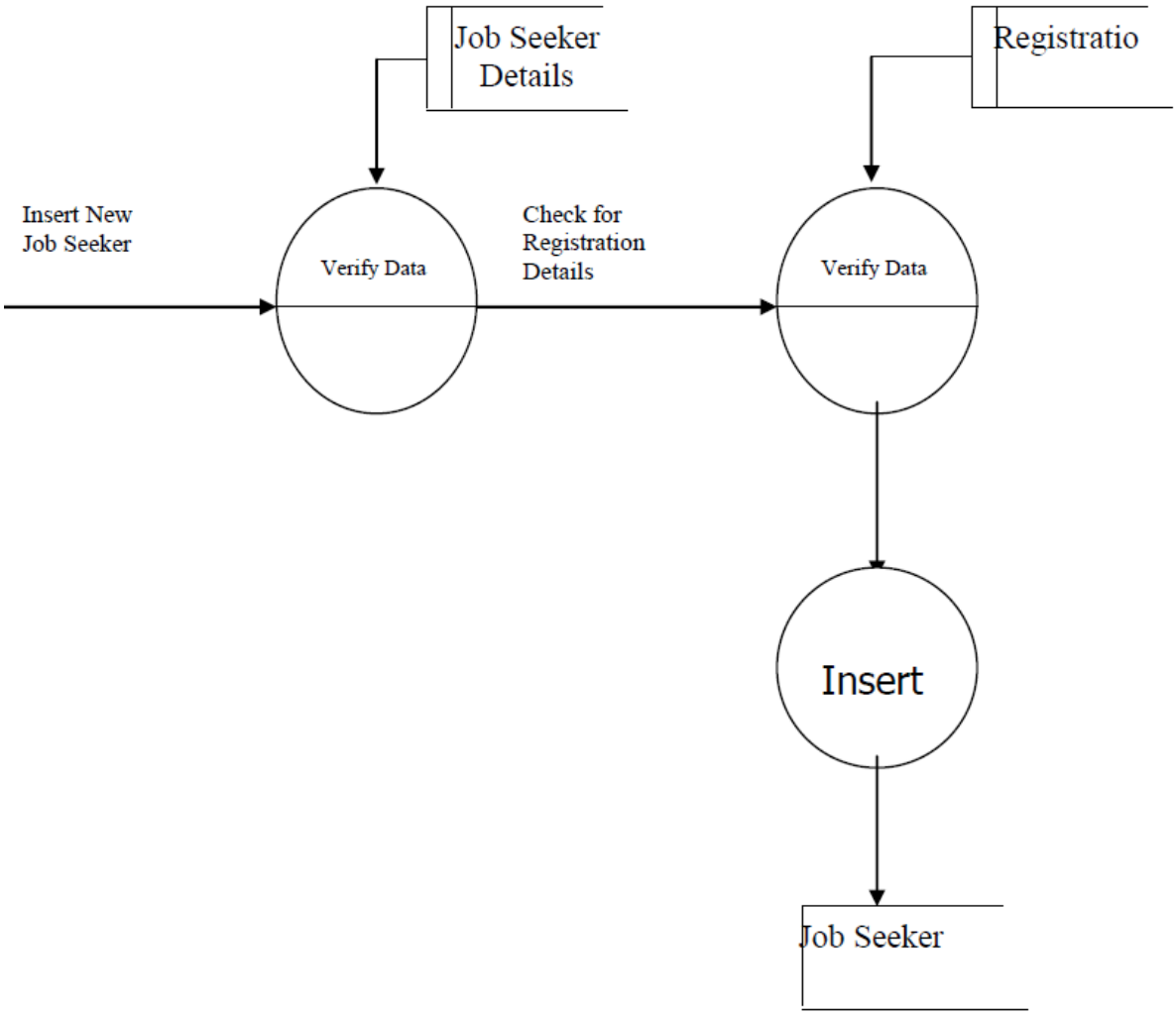
3. A circle or a bubble represents a process that transforms incoming data flow into outgoing data flows.

4. An open rectangle is a data store, data at rest or a temporary repository of data.



1st Level DFD's

DFD For New Job Seeker Creation



2nd Level DFD's

DFD For New Recruitment Creation

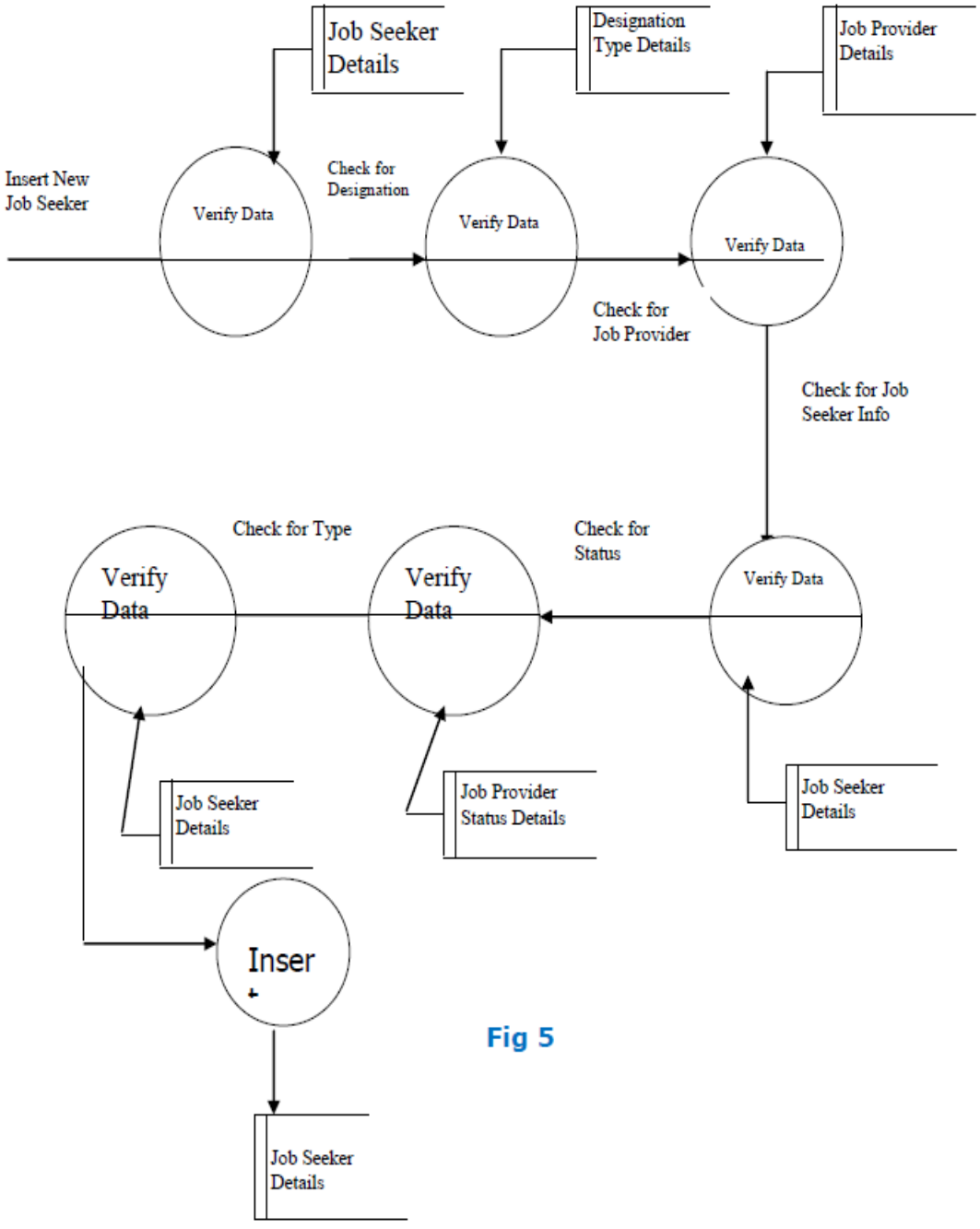
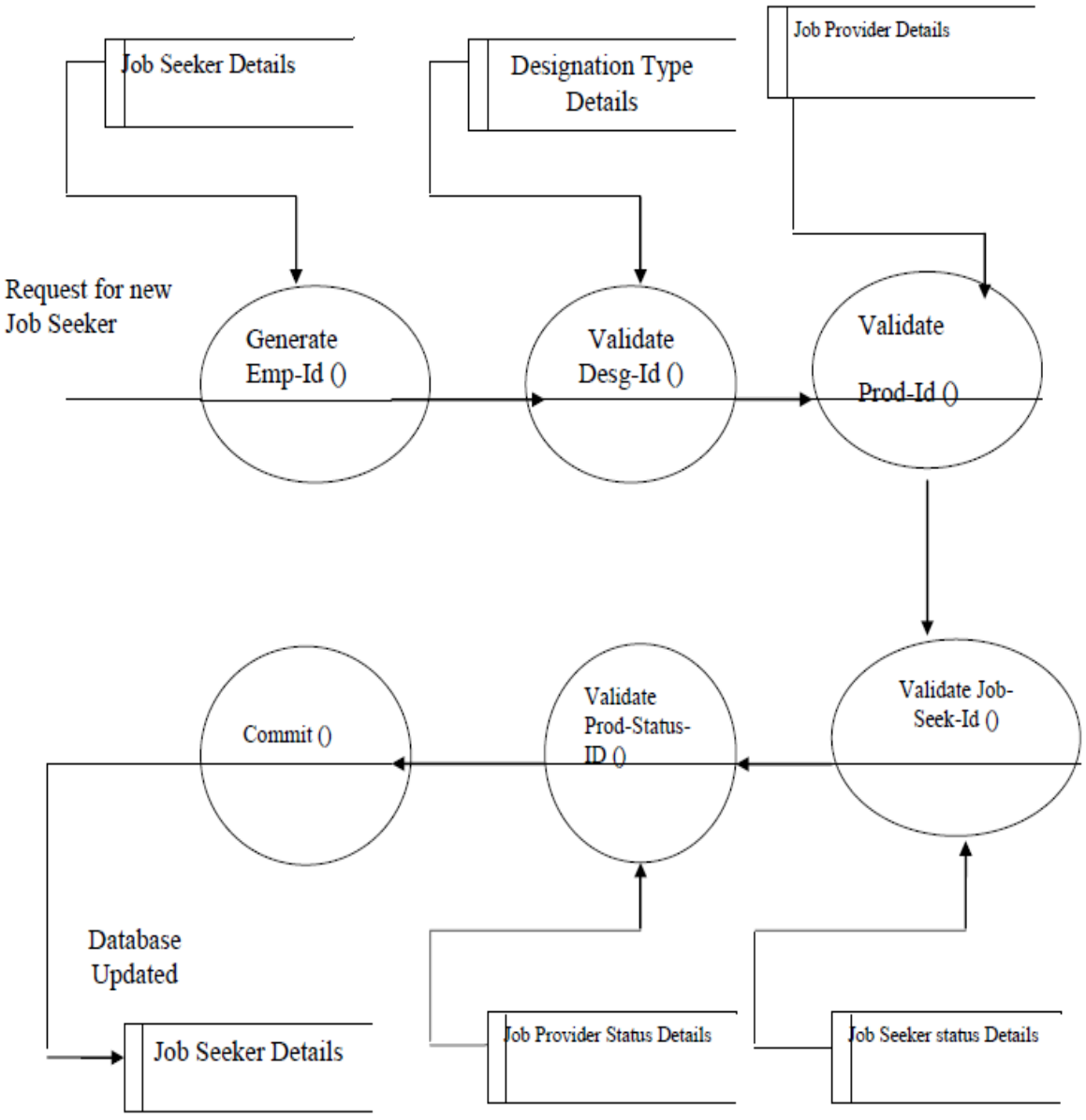


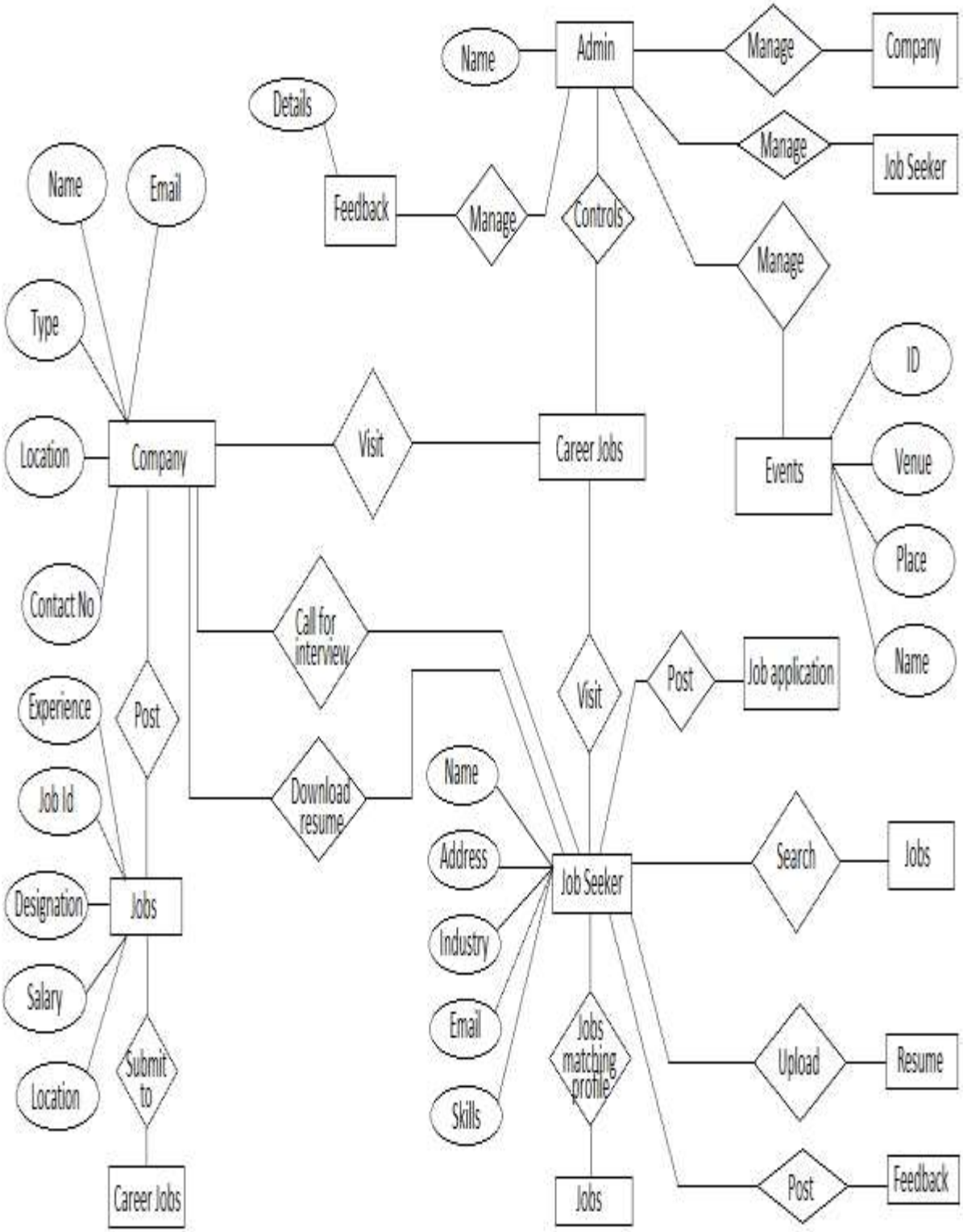
Fig 5

3rd Level DFD'S

DFD For New Recruitment Creation



4.6 ER Diagram



5. Detail Design

5.1 Introduction

Detailed design focus on refinement to the architecture representation that lead to detailed data structure and algorithm representation for the software. The transformation involved determination of how to store and retrieve the information that is nothing but the database design.

Usually there are many choice but from the different alternatives available. The one, while offer greatest efficiency,simply functionality and availability, is selected based on the relative important of these criteria.

5.2 Design Phase

The design involves the production of technical and visual prototypes. This stage has some non-technical aspects such as gathering of web content. For the server side programming and other technical aspects of the design emphasis will be laid on such design concepts and principle as effective modularity (high cohesion and low coupling), information hiding and stepwise elaboration. The goal is to make the system easier to adapt, enhance, Test and use.

5.3 Module Design

Module Design Or “Modularity in Design” is a design approach that subdivided system into smaller called module, that can be independently created and then used in different system. A Modular system can be characterized by functional portioning into create scalable, resuable module, rigorous use of well defined modular interface and making use of industry standard interfaces.

Beside reduction in cost and flexibility in design, modularity offers other benefits such as augmentation and exclusion.

5.4 Database Dictionary

Database is a repository of data which has all the files physically stored in. It also called data bank. Data which are relevant to and requested for, by specific application are only supplied to the it and not all the data present in the database are made available. Database should not have redundant data present in it. No should it have any incomplete or contradictory data. The program, which stores, organizes and retrieves data from the database, is known as database management system. The database dictionary is of great important for any project and consists of metadata.

1.Table Applied Master

Sr.no	Column Name	DataType	Size	Constraint
1	add_id	Int	11	Primary Key
2	job_id	Int	11	Primary Key
3	Name	Varchar	100	Null
4	Email	Varchar	100	Null
5	Mobile	Varchar	11	Null
6	Address	Varchar	100	Null
7	Skill	Varchar	50	Null
8	Experience	Varchar	50	Null
9	Job_date	Varchar	50	Null
10	company	Varchar	50	Null
11	Resume	Varchar	50	Null
12	Status	Varchar	1	Null
13	Date	Timestamp		Null
14	Up_date	Timestamp		Null

2.Table Job Master

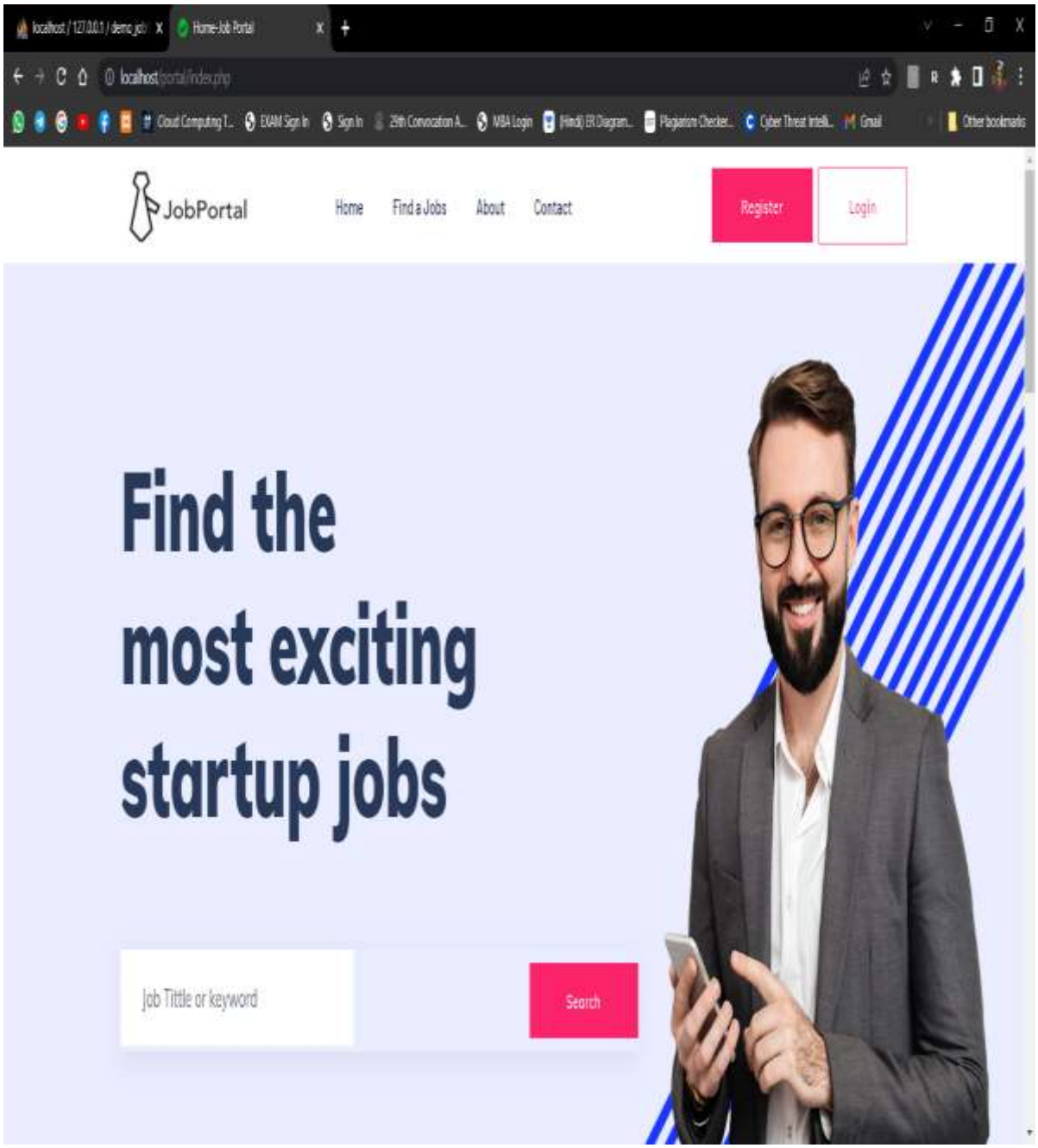
Sr.no	Column Name	DataType	Size	constraint
1	Job_id	Int	11	Primary Key
2	User_id	Int	11	Primary Key
3	Job_name	varchar	50	Null
4	Job_company	Varchar	50	Null
5	Salary	Varchar	20	Null
6	Experience	Varchar	50	Null
7	Skill	Varchar	50	Null
8	Education	Varchar	50	Null
9	Start_date	Varchar	50	Null
10	End_date	Varchar	50	Null
11	Status	Varchar	1	Null
12	Date	Timestamp		Null
13	Up_date	Timestamp		Null

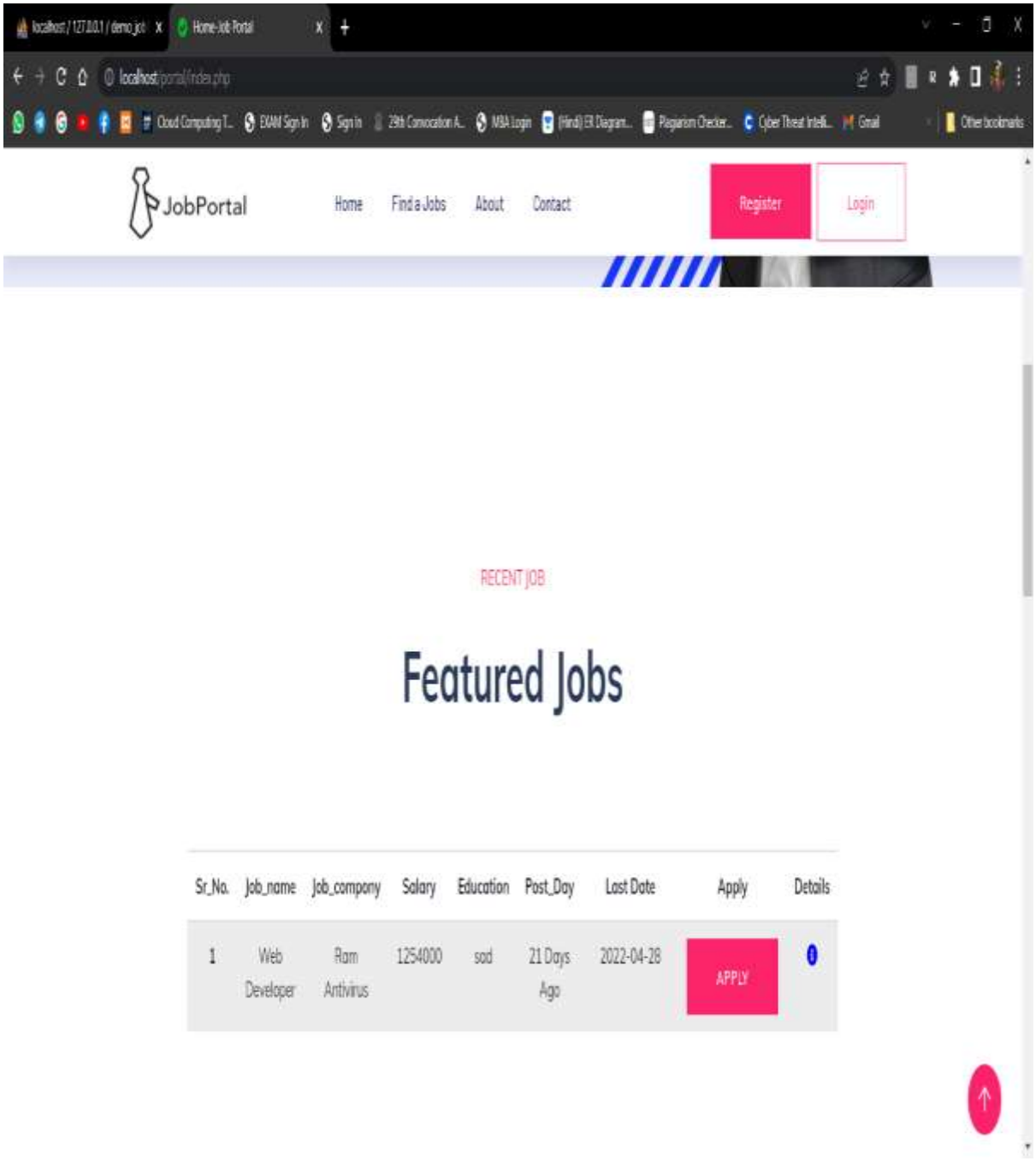
3. Table User Master

Sr.no	Column Name	DataType	Size	constraint
1	User_id	Int	11	Primary Key
2	Full_name	Varchar	100	Null
3	User_name	Varchar	100	Null
4	Password	Varchar	50	Null
5	Email	Varchar	100	Null
6	Mobile	Varchar	11	Null
7	Image	Varchar	50	Null
8	Company	Varchar	75	Null
9	Address	Varchar	150	Null
10	Status	Varchar	1	Null
11	Date	Timestamp		Null
12	Up_date	Timestamp		Null

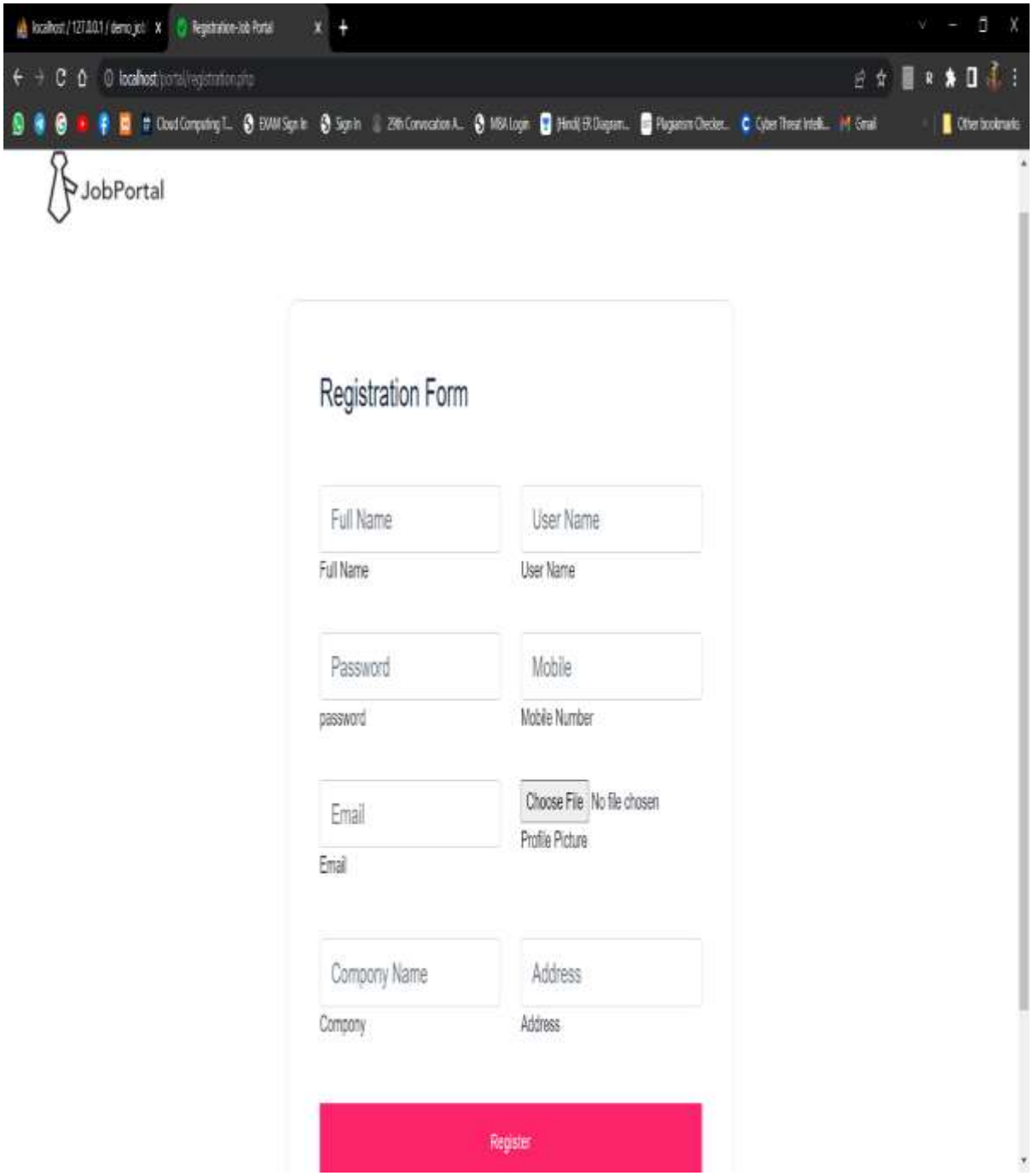
6. Screen Layout

1] Home Page

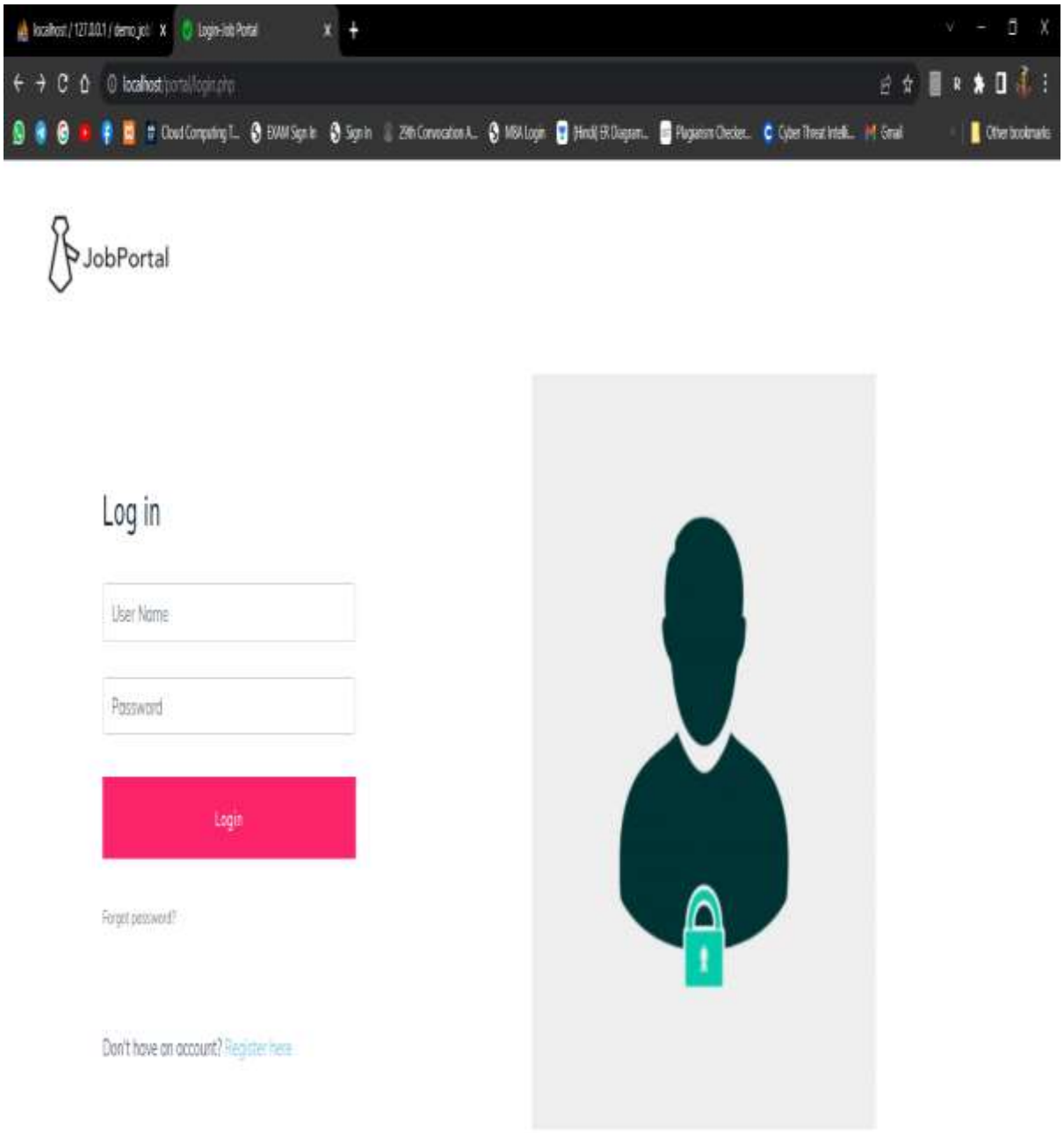


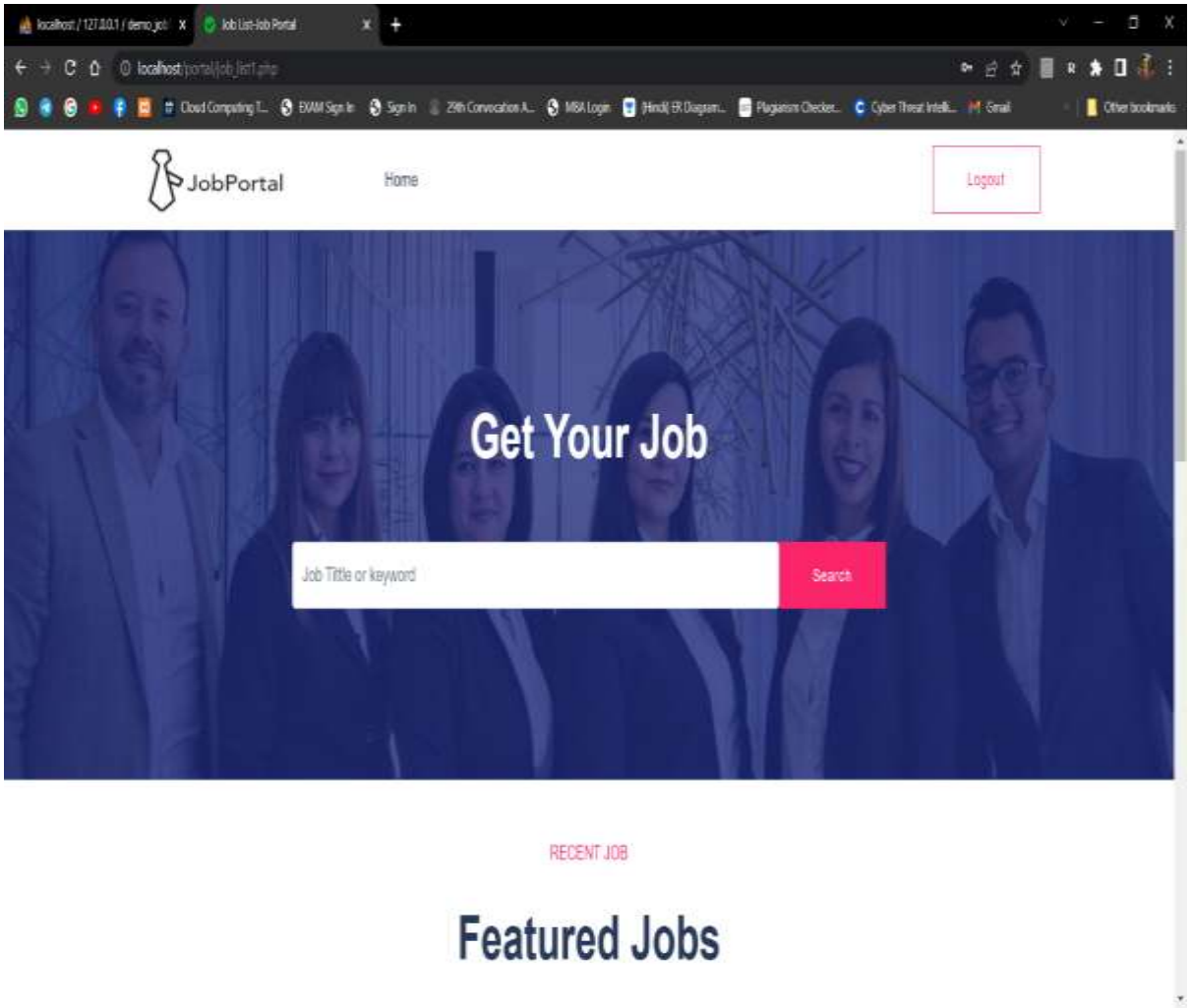

JobPortal
Home
Find a Jobs
About
Contact
Register
Login
RECENT JOB
Featured Jobs
Sr_No.
Job_name
Job_company
Salary
Education
Post_Day
Last Date
Apply
Details
1
Web Developer
Ram Antivirus
1254000
ssd
21 Days Ago
2022-04-28
APPLY

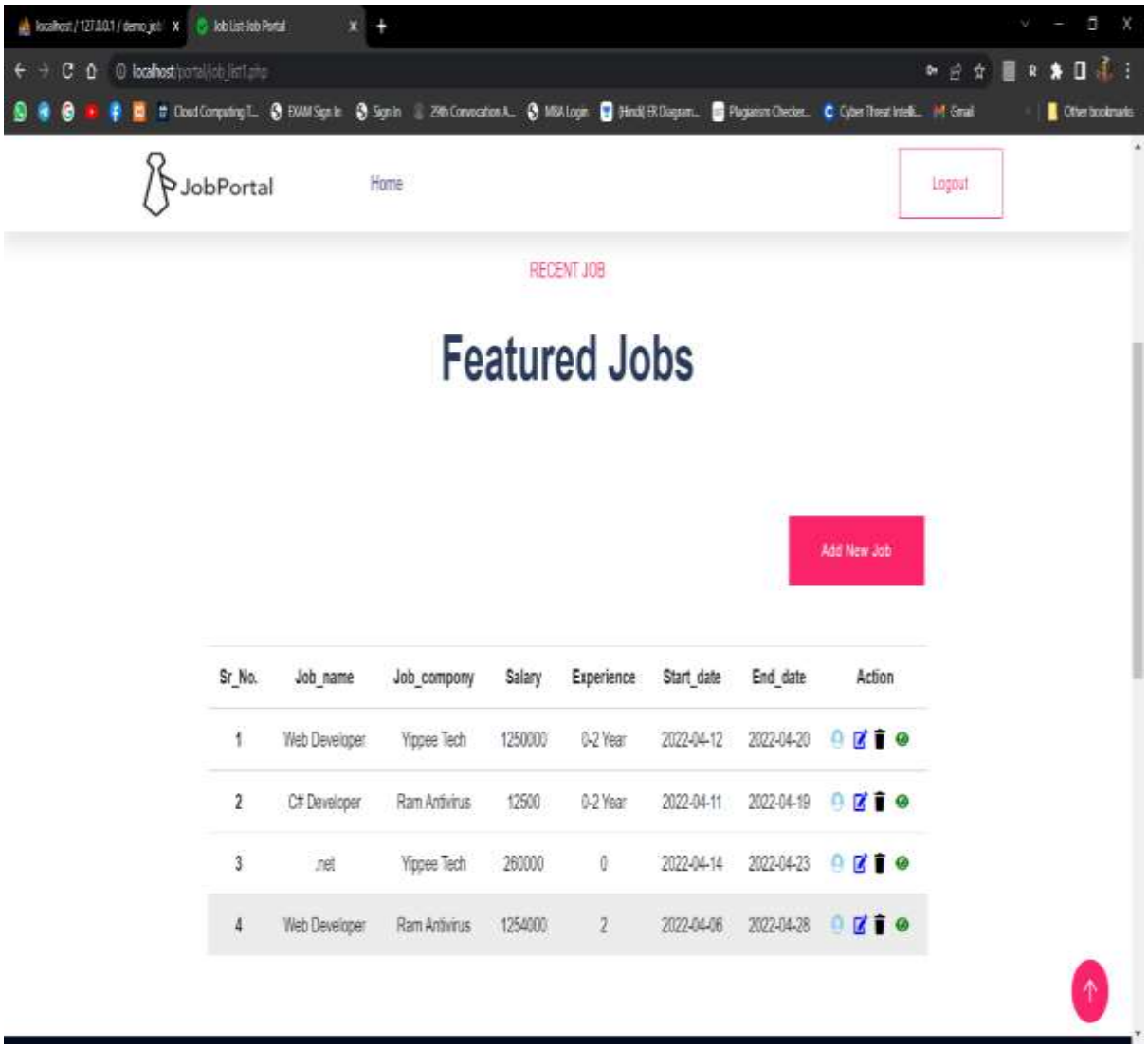
2] Registration Page



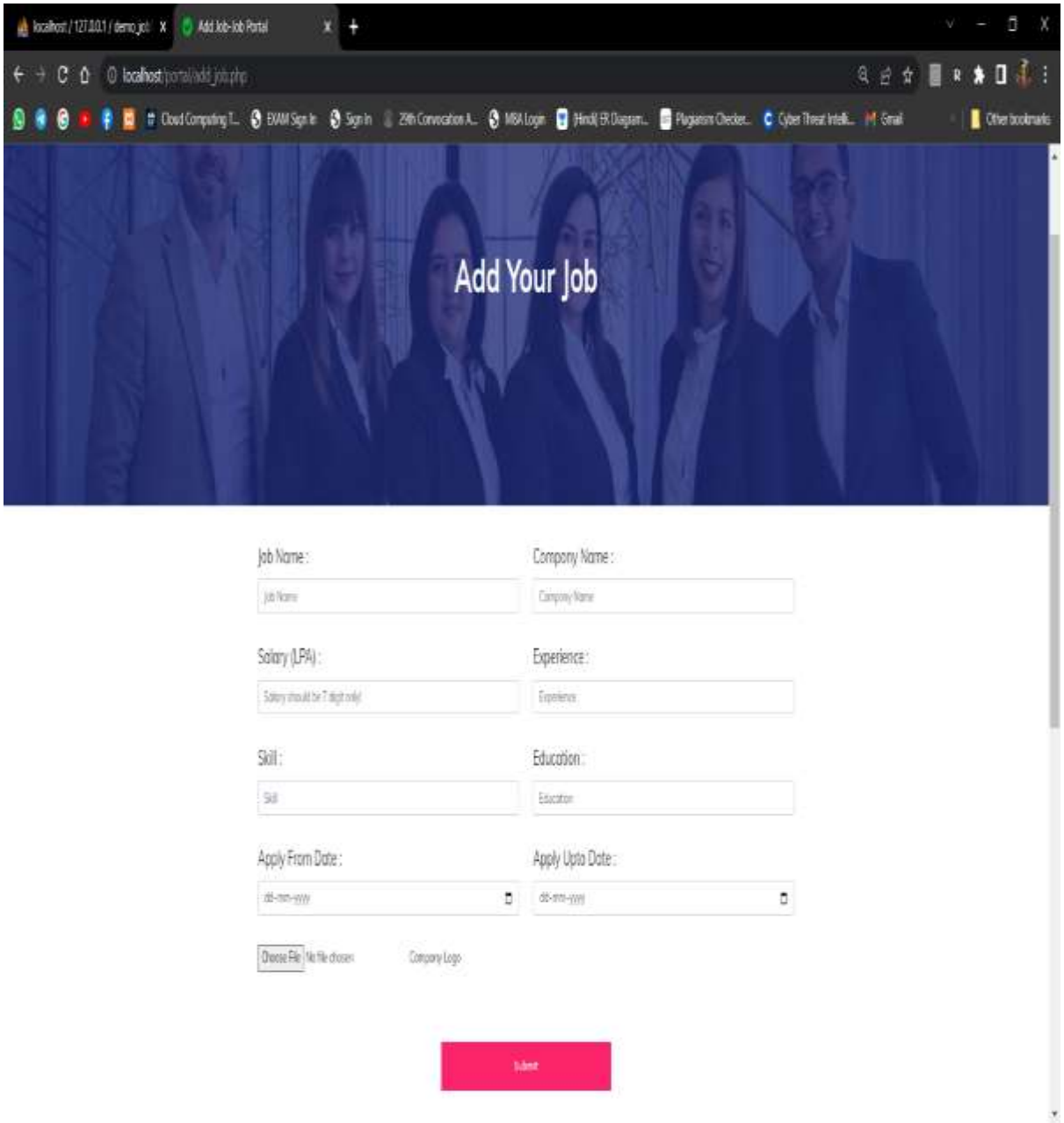
3] Login Page


JobPortal
Log in
User Name
Password
Login
Forgot password?
Don't have an account? Register here

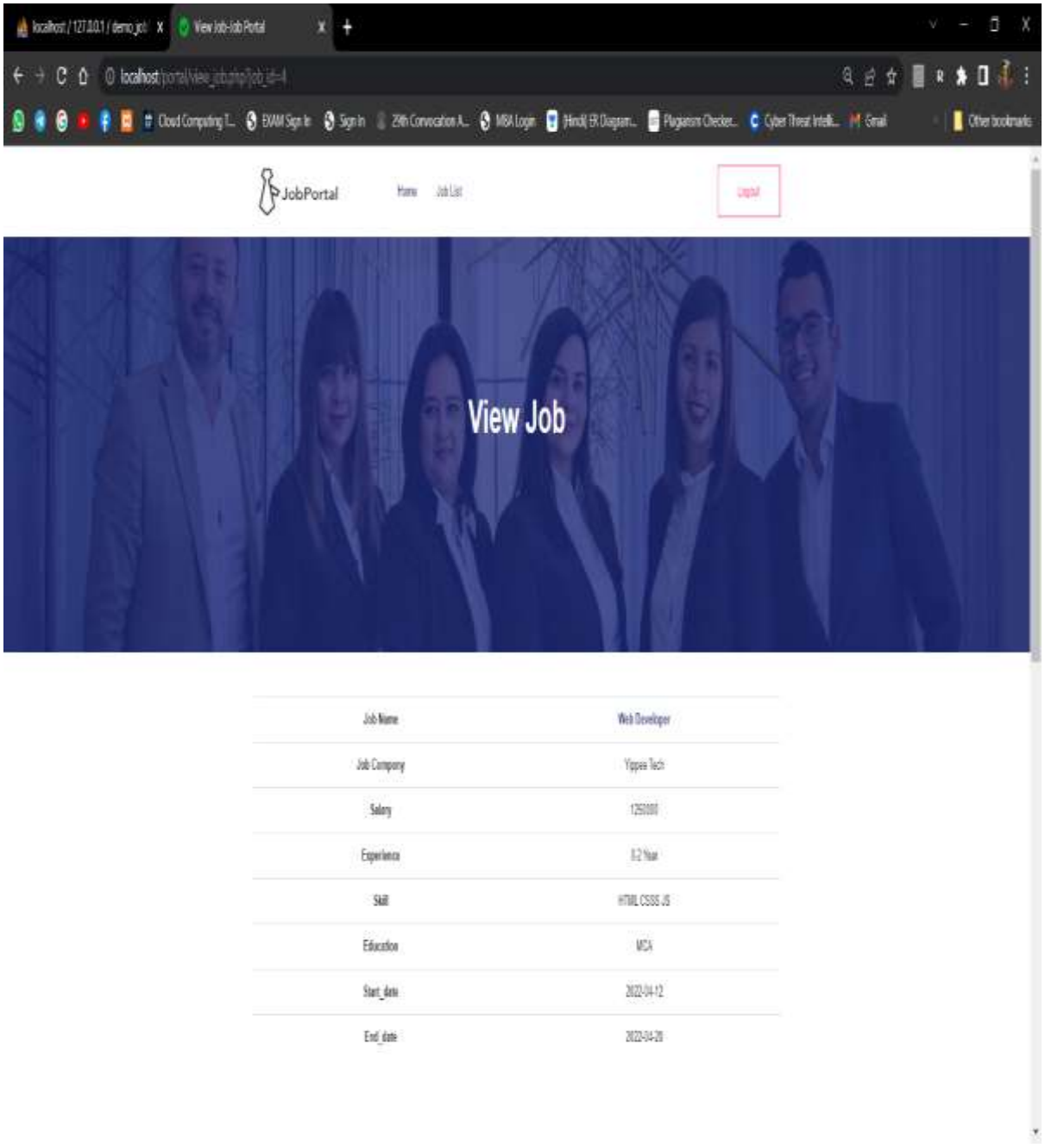

JobPortal
Home
Logout
Get Your Job
Job Title or keyword
Search
RECENT JOB
Featured Jobs


JobPortal
Home
Logout
RECENT JOB
Featured Jobs
Add New Job
Sr_No. Job_name Job_compony Salary Experience Start_date End_date Action
1 Web Developer Yippee Tech 1250000 0-2 Year 2022-04-12 2022-04-20
2 C# Developer Ram Antivirus 12500 0-2 Year 2022-04-11 2022-04-19
3 .net Yippee Tech 260000 0 2022-04-14 2022-04-23
4 Web Developer Ram Antivirus 1254000 2 2022-04-06 2022-04-28

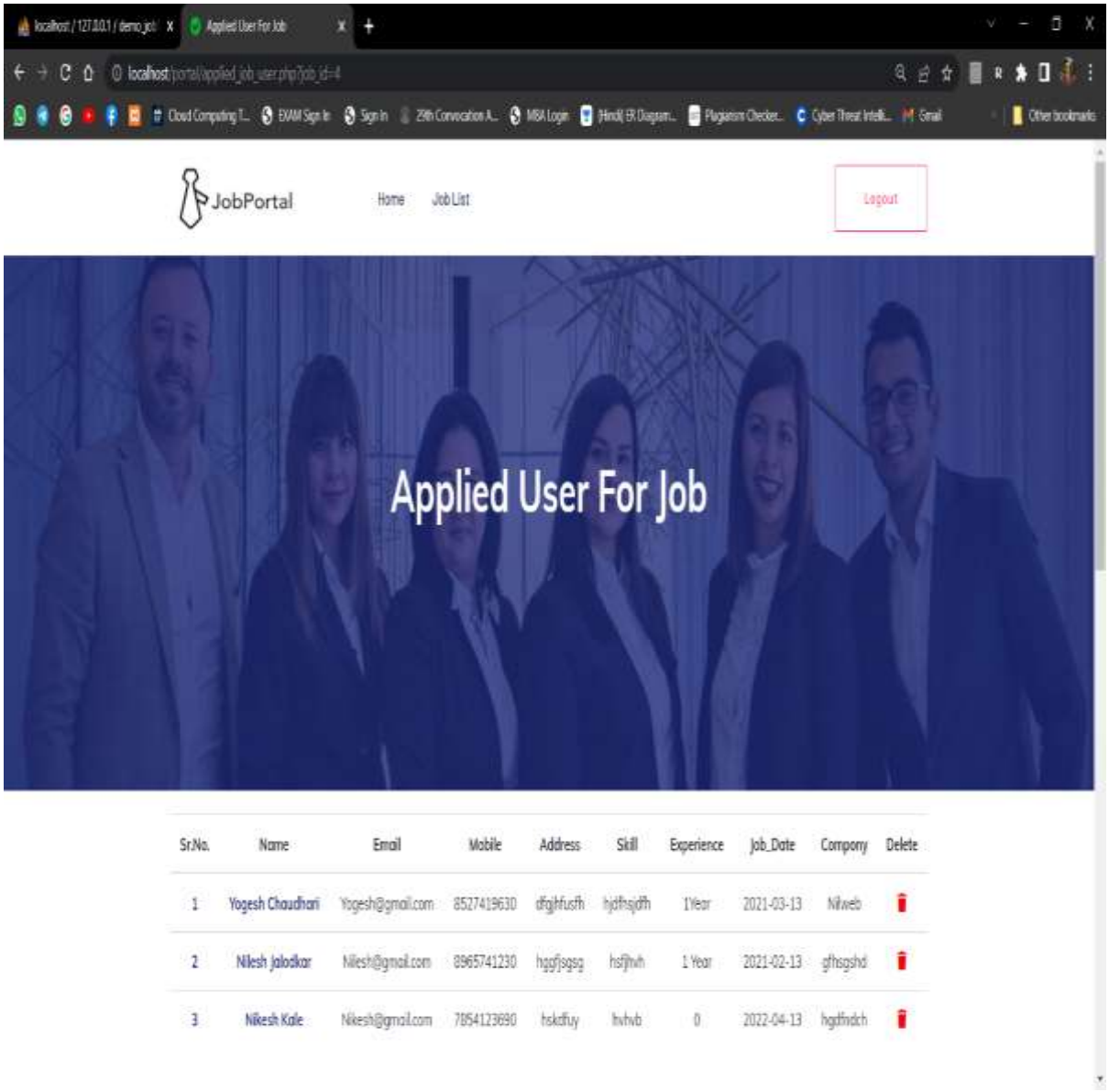
4] Add Your Job[Admin Page]



5] View Job Page



6] Applied User For Job Page



Sr.No.	Name	Email	Mobile	Address	Skill	Experience	Job_Date	Company	Delete
1	Yogesh Chaudhari	Yogesh@gmail.com	8527419630	dfgjkfusfh	hjdfhsjdfh	1Year	2021-03-13	Nilweb	
2	Nilesh Jalodkar	Nilesh@gmail.com	8965741230	hgqfjsgsg	hsfjhvh	1 Year	2021-02-13	gfhsgshd	
3	Nikesh Kale	Nikesh@gmail.com	7854123690	hskdfuy	hvhvb	0	2022-04-13	hgdfndch	

7. Concluding Remarks

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 PHP web based application.

People are unable to get access to job opportunities due to inefficient distribution of information on job offers but now the Internet has made a huge impact on knowledge management and information dissemination all over the world.

The Internet is considered as one of the most popular method of accessing information all over the globe. Any person who has access to the Internet can access information anywhere in the world.

Due to the widespread use of the Internet in Ghana and how it has made tasks easier to do, this system, JOB PORTAL, is meant to make job searching or job hunting easier and faster. This system aims and objective is to provide a platform where recruiters and job seekers can communicate and also users can have access to the system 24/7.

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Web Sites

- http://www.Monster.com
- http://www.Nokri.com
- http://www.Shine.com
- http://www.jobstreet.com.ph
- http://www.phil-job.net