



SKILLS AND JOB RECOMMENDER SYSTEM



A PROJECT REPORT

Submitted by

MOOFIKA BEGAM .M (Reg.No:911519205016)

SITI SAMINA .A (Reg.No:911519205023)

YUVASRI .C (Reg.No:911519205028)

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KILAKARAI- 623 806

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ANNA UNIVERSITY:CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**SKILLS AND JOB RECOMMENDER SYSTEM**” is the bonafide Work of “**M.MOOFIKA BEGAM (911519205016) A.SITI SAMINA (911519205023) C.YUVASRI (911519205028)** ” Who carried out the project work under my supervision.

SIGNATURE

Mrs.Dr.B.AYSHA BANU M.E.,Ph.D.,
MISTE.,

HEAD OF THE DEPARTMENT

Professor

Department of Information Technology,
Mohamed Sathak Engineering College,
Kilakarai – 623 806.

SIGNATURE

Mrs.A.RUBA M.E.,MISTE.,

SUPERVISOR

Associate Professor

Department of Information Technology,
Mohamed Sathak Engineering College,
Kilakarai – 623 806.

Submitted for the University project viva-voce held on

Internal Examiner

External Examiner

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ABSTRACT

The skills and job recommender system is an intelligent web application that helps to find a job and make personalized recommendations for individuals looking to acquire new skills or find job opportunities. The system collects data on the user's background, education, work experience, and career goals to create a personalized profile. It then uses this data to analyze job market trends and to make recommendations on the skills users need to acquire to achieve their career goals. Additionally, the system can provide job recommendations based on the user's profile and job market trends. The success of the system depends on the quality and quantity of data sources used, the accuracy of the algorithms, and the personalization of recommendations. It also provide online course and walk in interview alert. The companies even select a suitable candidate who fulfill their requirement. The recruitment process is handled by the system. This project helps to get valid job based on their qualification .The user can also attend webinars, conference. The user can enroll online course and get trained, certified by the system. The project is created for fulfilling the requests of the company managers so that the recruitment module can be placed in the company's website and the users who visit the website can view the vacancies in the company and will be able to apply directly from remote place even. The individual companies can register their company details on the website which leads it to the perfect candidates based on their skills. The interested candidates can select the company based on their skills and also based on the salary. The online job recommended system make the way to find the skilled persons for the job vacancies in the modern world.

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LIST OF ABBREVIATIONS

ACRONYMS	ABBREVIATION
HTML	HYPER TEXT MARK UP LANGUAGE
CSS	CASCADING STYLE SHEET
PHP	HYPERTEXT PREPROCESSOR
JS	JAVA SCRIPT

CHAPTER 1

INTRODUCTION

1.1 ABOUT THE PROJECT

The **Job Searching Portal** is a web application, which serves jobseekers to find available job vacancies and Employers to identify eligible job seekers with the prospect of selecting the most qualified candidates. The only way to select the best-qualified candidate is to have a pool of eligible applicants, which is possible by drawing the interest of individuals in the market. Job search portals best serve this purpose. E-recruitment has become the standard means for employers and job seekers to meet their respective objectives. The traditional method for recruitment includes Job fairs, Employee referrals, advertising in the newspapers, televisions etc. With the advancement in technology and growth of internet usage, the e-recruitment has revolutionized the way organizations hire and candidates search for jobs.

Job searching portal stands as an effective means for Employers to outline the job vacancies, responsibilities and qualifications to attract jobseekers. Using the portal jobseekers can extensively search for jobs in] companies, organizations and regions they may otherwise have not learnt. In addition, candidates/Employers can write a review about an organization, which might help them to change the way things are done.

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CHAPTER 2

SYSTEM ANALYSIS

2.1 EXISTING SYSTEM

The existing system for job recruitment includes traditional methods like Employment agencies, advertising through newspapers, televisions and radios, college fairs etc., which are too slow and stressful. With the advancement of internet, jobseekers rely on the online job portals, which makes the job search efficient. Again, most of these are limited to the web/desktop applications, which requires jobseekers to have a laptop or desktop connected to internet and is not handy.

2.1.1 DISADVANTAGES

- Over saturation of content.
- Limited reach, Privacy Concern.
- Ineffective messaging.
- High cost for premium features.
- Spam and fake profiles.

2.2 PROPOSED SYSTEM

This project has been mainly designed to overcome some of the problems faced with the previous system. The main problem faced was unnecessary delay in generating the required information by all unnecessary fields into consideration. It provides an efficient way to pass the information between different users to cater their needs. It is a Complete Portal for Job seekers and employers.

The user can also save a job which will be available in the save list. The visitors can apply to job by simply clicking on the apply button. The user can search for different jobs by typing the job title in the search bar. Here, the jobs page is only available to the admin user.

The admin can add, edit and delete jobs but a default user can only apply, save and clear jobs. Moreover, a visitor can make a new account on the online job portal by registering using an email. Also, users can change the password if he/she forgets it. Also can search and enrol course depend by degree and the walkin interview is automatically so as the user page.

The employees can edit and update the walk-in interview details. User can also access webinar and conference.

2.2.1 ADVANTAGES

- Improve personalization and messaging.
- Virtual events like webinars, conference.
- Security and data privacy.
- Enhanced job search functionality like one-click apply , save the job.
- Separate classification for walk in interview.

CHAPTER 3

LITERATURE SURVEY

1. Recommender systems are being broadly accepted in various applications to suggest products, services, and information items to latent customers. Many e-commerce applications join recommender systems in order to expand customer services, increase selling rates and decrease customers search time (Schafer et al., 1999). For example, a wide range of companies such as the online book retailer Amazon.com (Linden et al., 2003), books (Mooney and Roy, 2000), and news articles (Das et al., 2007). Additionally, Microsoft provides users many recommendations such as the free download products, bug fixes and so forth (Shani and Gunawardana, 2011). All these companies have successfully set up commercial recommender systems and have increased web sales and improved customer fidelity.

2. “Castor portal”: Even though the work by Freire succeeds in collecting a substantial number of contributions in the JRSapplication domain, they seem to fail to properly classify these contributions, making it difficult to see patterns in this literature. A clear example of this is that approximately 20% of the contributions discussed in their paper is labeled as hybrid, whereas another 33% is being labeled as “other”. Although the reader would later find that the “other” category includes for 25% contributions using (deep) neural networks, this still leaves a large number of contributions with an unsatisfying label. Furthermore, as shown by Batmaz et al.[11], there is a considerable

development within the class of (deep) neural networks applied to recommender systems, which we also find in job recommender systems. This aspect is neglected by Freire and de Castro. The classification given by Freire and de Castro is understandable, given that so many contributions use mixtures of collaborative filtering and content-based techniques, and given that these are presented by the contributions themselves as hybrids. However, these labels do not provide much insight into what these contributions actually entail. Furthermore, Freire and de Castro [43] focus solely on methods and validation, whereas we, among other subjects, will also take into consideration ethical considerations. We will also put special emphasis on job recommender systems which, often successfully, take into account the reciprocal

3. Wang et al. [118] not only consider what job should be recommended, but also when this recommendation should be made, based on estimations of when a job seeker will switch jobs. Deep neural networks Apart from shallow embeddings, also deep representations have become common strategies, accounting for approximately 50% of all contributions in 2019 and 2020 (see Table 1). Since this class consists of only deep neural networks (DNNs), we will also refer to this class by DNN. Many studies follow a similar approach as language models such as BERT [33] or ELMo [97], and extend on these embeddings by adding additional hierarchical attention networks [91, 100]. Also embeddings based on CNNs are common [70], or mixtures of the above approaches [84, 13, 14, 58, 125]. Siamese neural networks have also been used for this purpose [107]. The increasing usage of DNNs in recommender systems is not limited to recommending jobs, but holds for recommender systems in general [11]. Although it is too soon to draw firm conclusions, the absence of MM-SE contributions in the last two

years is somewhat striking, giving that these were quite common in 2017 and 2018. Furthermore, some contributions did benchmark their proposed DNN with models that we may label MM-SE, e.g., using word2vec or BoW to obtain vector representations, and found the DNN to be favorable [100, 91, 132]. Also, in some DNN contributions, the neural network on top of deep job/user/session embeddings is compared to other commonly used machine learning algorithms, such as gradient boosted decision trees (GBDT), with the latter using the same job/user/session embedding as the proposed DNN. In such comparisons, DNNs are also found to outperform other machine learning models on .

4. "Rule-based Filtering (RBF)": These filtering techniques depend upon decision rules such as an automatic or manual decision rule that are manipulated to obtain a recommendation for the user profile. Currently, E-commerce industry uses a rule-based filtering technique to recommend an item based on the demographic region of a user, purchase history, and other attributes that can be used to profile an user. A drawback rule-based filtering is user feeds the information to the system. These inputs can be considered as a preference of a user, defined by the user. Thus the data acquired is are utilized as a description of a user profile or prone to bias. With the age of the user's profile, recommendation tends to hit the saturation and become static Mobasher (2007).

CHAPTER 4

SYSTEM REQUIREMENTS

4.1 HARDWARE REQUIREMENTS

4.1.1 For Development

- **Processor** : Intel I5
- **RAM** : 8 GB
- **Hard Disk** : 512 GB

4.1.2 For Implementation

- **Processor** : Intel I3
- **RAM** : 4 GB
- **Hard Disk** : 126GB

4.2 SOFTWARE REQUIREMENTS

- **Front-End** : HTML, CSS
- **Back-End** : PHP, My SQL
- **Framework** : LARAVEL

CHAPTER 5

SOFTWARE DESCRIPTION

5.1 Frontend technologies

Front end-is a term used to characterize program interfaces and services relative to the initial user of these interface and services. It usually refers to the user side of an application. A front end application is one that users interact with directly.

5.1.1 Html

Hyper-Text Markup Language (HTML) is a computer language devised to allow website creation. These websites can be viewed by anyone else connected to the Internet. It is relatively easy to learn, with the basics being accessible to most people in one sitting; and quite powerful in what it allows you to create.

It consists of only a few tags that have a specific purpose. One can easily grasp others' code and make adjustments if necessary, so there isn't much more to learn from it. Moreover, unlike other programming languages, it does not throw an error or cause a problem if the developer forgets to close the tags or makes a mistake in the code.

One of the biggest advantages of using HTML is that it is free, and no special software is required. HTML does not require any plugins, so one should not have to deal with them when working with any software.

5.1.2 CSS

CSS is a style sheet language used to describe presentation and layout of HTML tags. CSS is used to enable separation of document content from document presentation. Colors, layouts and fonts from the actual document content. CSS helps us achieve layout design and control much easier.

5.2 Back End Technologies

5.2.1PHP

PHP is a server-side scripting language designed for web development but also used as a general-purpose programming language. PHP stands for Hypertext Pre-processor that can be embedded into HTML. PHP is free software i.e. it is open source code.

Advantages:

- Open source : PHP is, an application can be run on various platforms
- Ease of use : It uses C like syntax, so it is very easy to create website scripts.
- Speed : It is relative fast, it can be used with a large number of relational data base management system, runs on all of the most popular web server.

5.2.2 MySQL

MySQL stands for My Structured Query Language. It is the world's most popular open source relational DBMS. MySQL is available for free under the GNU General Public License for open source benefits/reasons related to development. It is non-proprietary, easily extensible and platform independent.

MySQL Features:

- Very fast and much reliable for any type of application
- Very lightweight application
- It is compatible to run on many operating systems.
- MySQL supports a large number of embedded applications, which makes MySQL very flexible.
- Its efficiency is high because it has a very low memory leakage problem.
- MySQL allows transactions to be rolled back, commit, and crash recovery.
- This feature improves the performance and provides fast management of the large database.
- Command line tool is very powerful and can be used to run SQL queries against database.

5.2.3 Laravel

Laravel is an open-source PHP framework, which is robust and easy to understand. It follows a model-view-controller design pattern. Laravel reuses the existing components of different frameworks which helps in creating a web application. The web application thus designed is more structured and pragmatic.

Laravel offers a rich set of functionalities which incorporates the basic features of PHP frameworks like CodeIgniter, Yii and other programming languages like Ruby on Rails. Laravel has a very rich set of features which will boost the speed of web development.

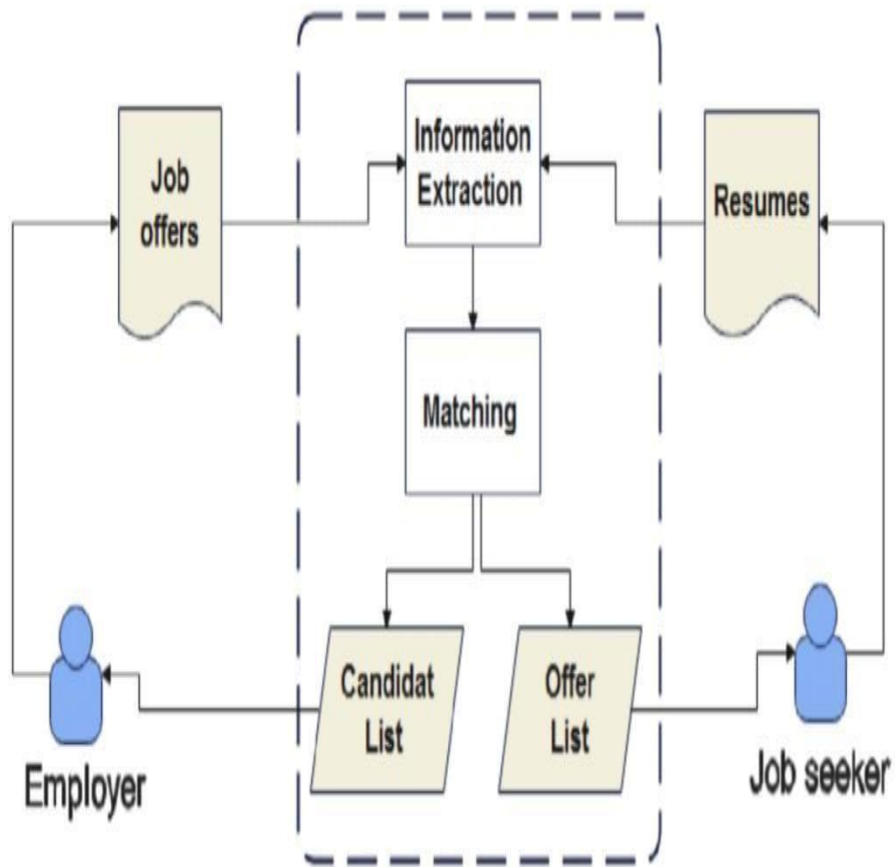
Advantage:

- Fast - building projects in Laravel reduces development by about 35% than programming from scratch;
- Affordable - with handy modules and libraries, you can cut hundreds of hours of development time;
- Responsive - thanks to fast caching systems and protocols, your application or website will be user-friendly and high-speed;
- Secure - the framework offers some of the best plug and play security software solutions on the market;
- Flexible - with modules that allow you to create and customize your project for different viewing environments or user experiences, implement multilingualism, and scale your project seamlessly;

CHAPTER 6

SYSTEM DESIGN

6.1 SYSTEM ARCHITECTURE



6.2 DATA FLOW DIAGRAM

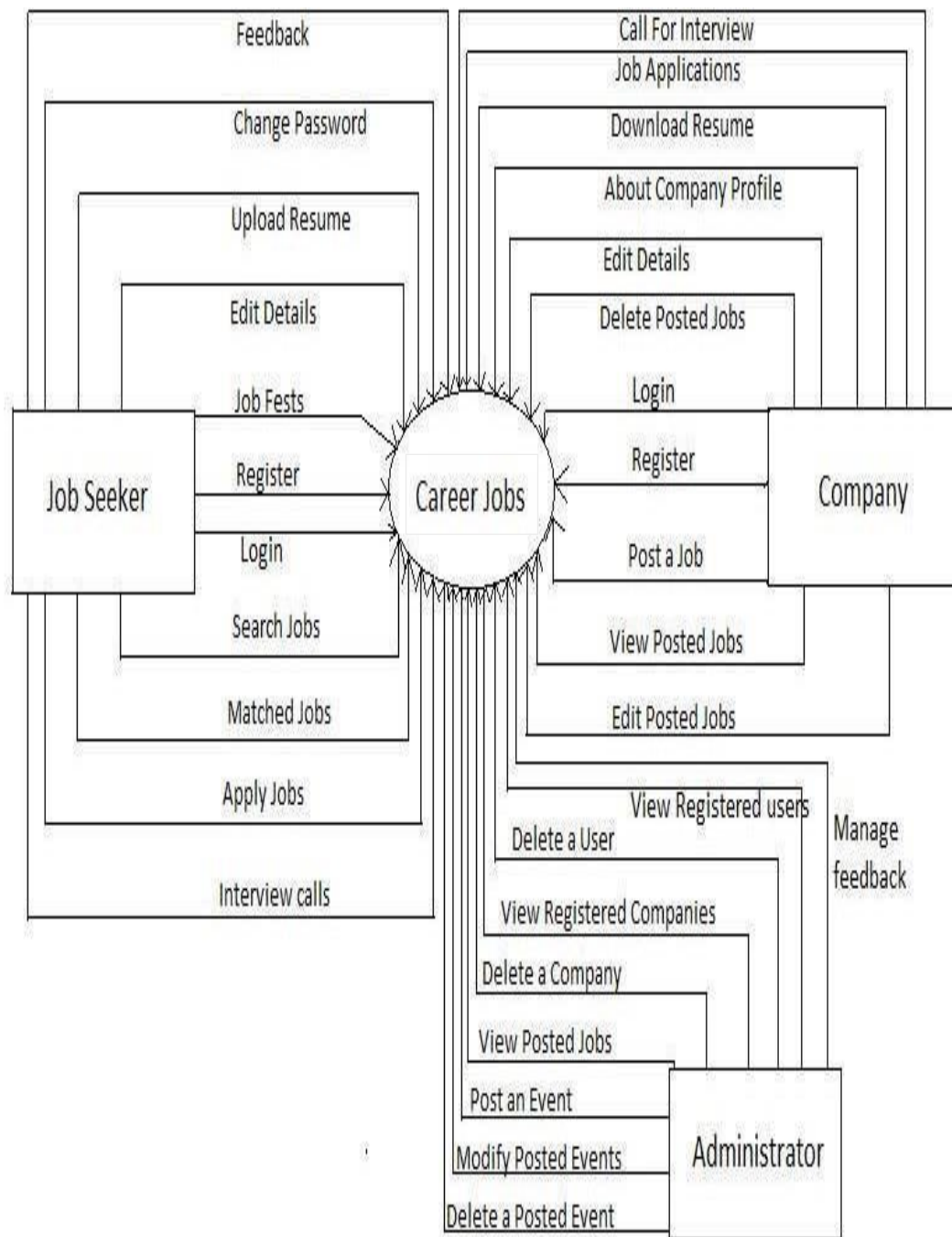


Figure 6.2 Level 0 (Context-Level)

Figure 6.2 : Level 1(Seeker)

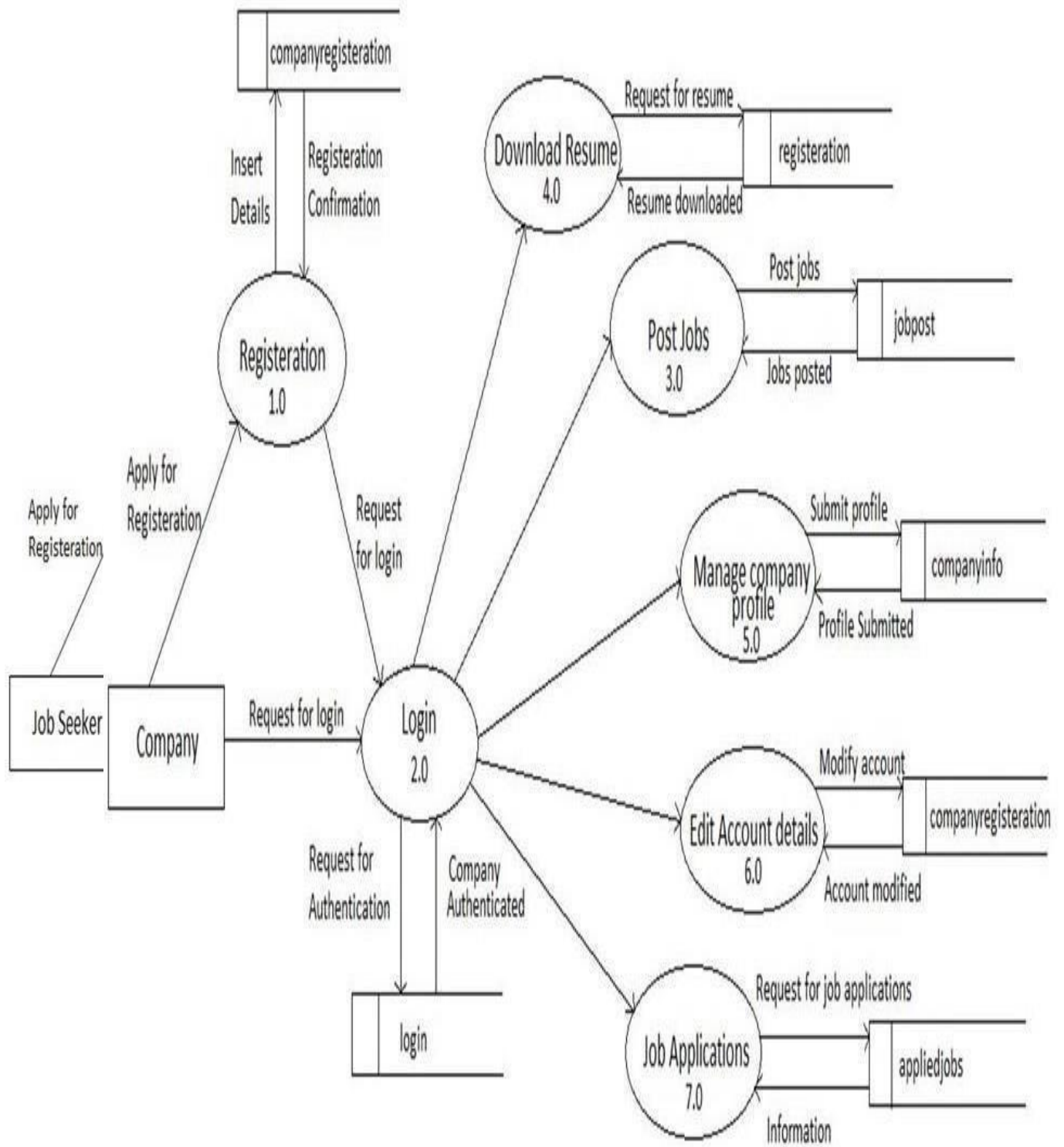


Figure 6.2 : Level 1(Company)

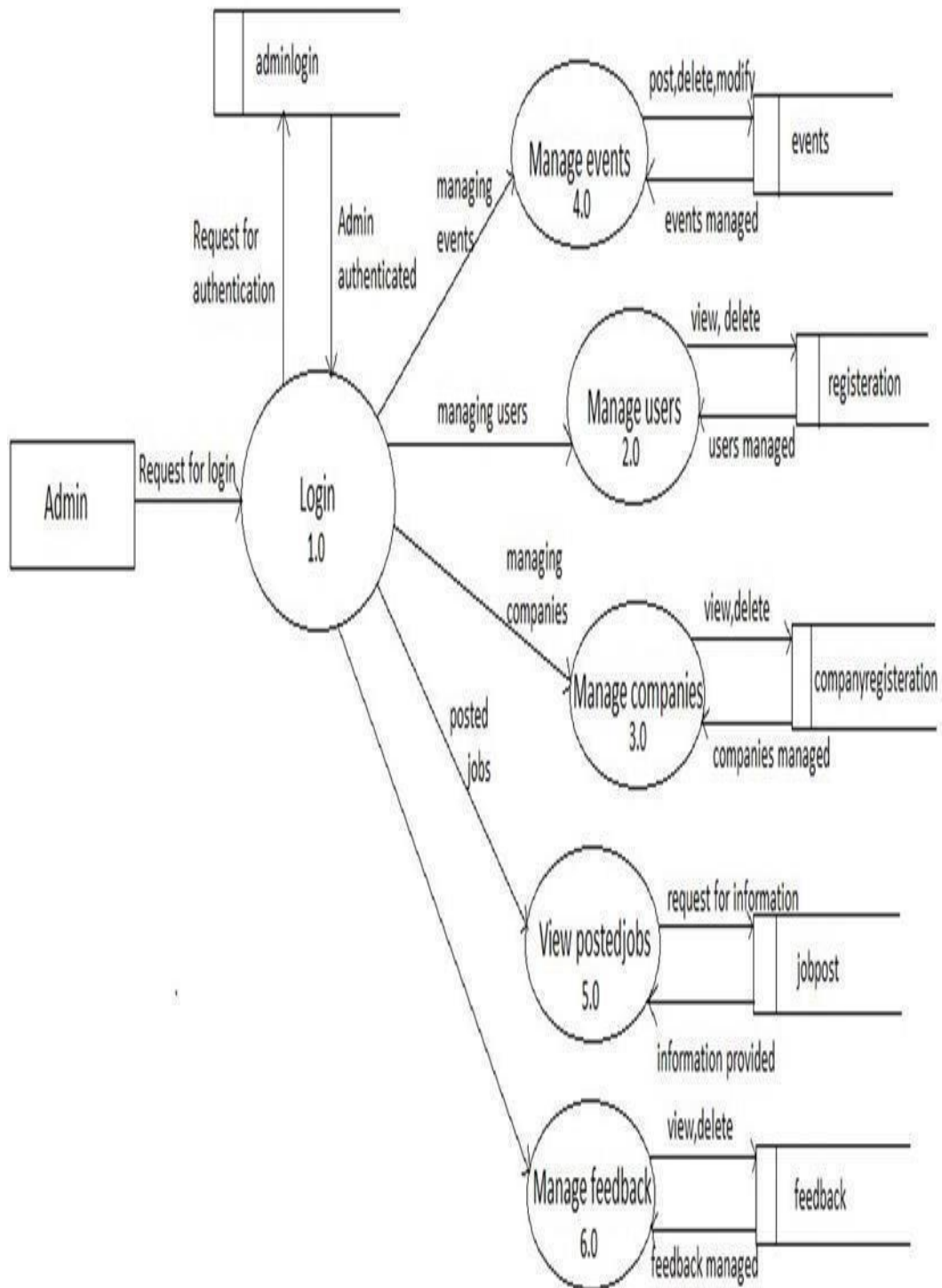
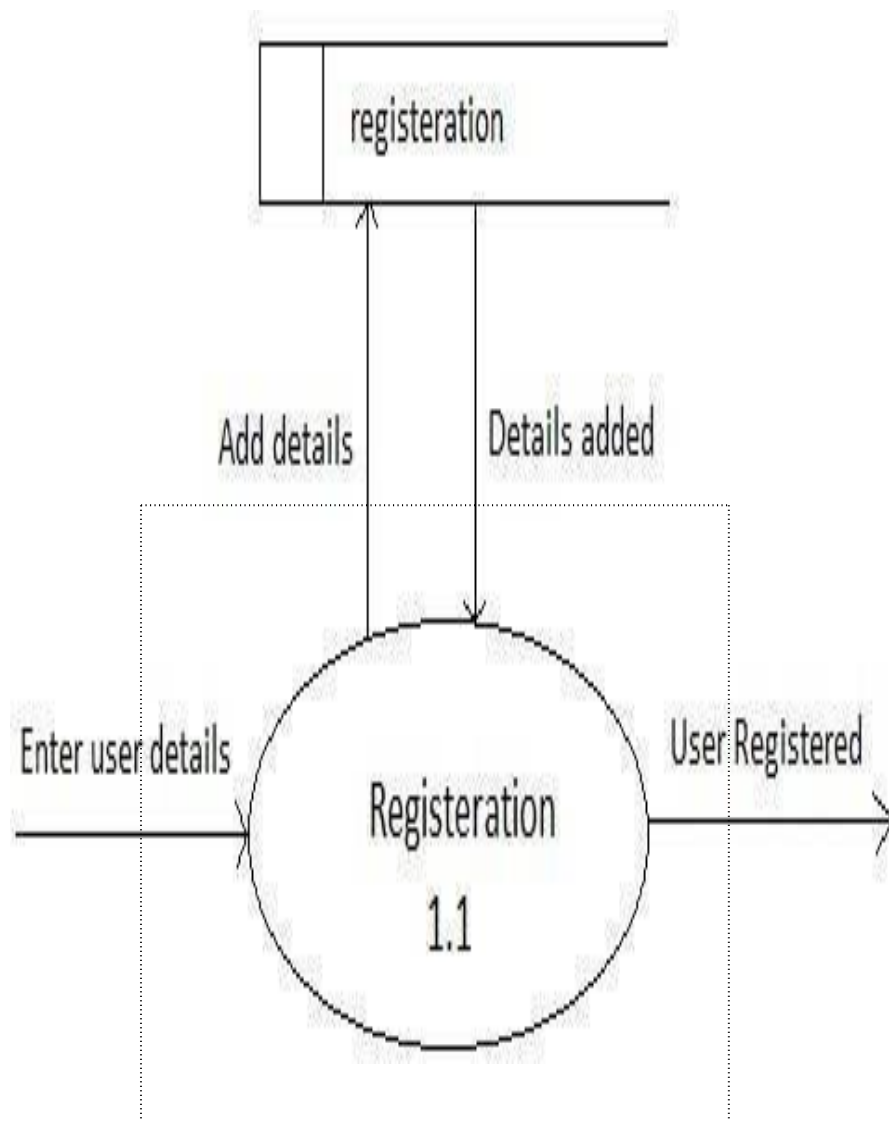


Figure 6.2 : Level 1(Admin)



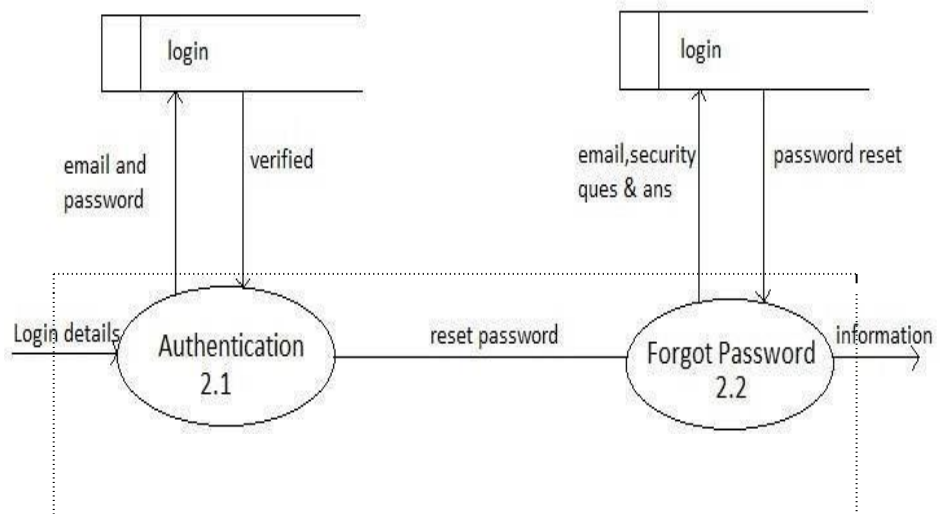
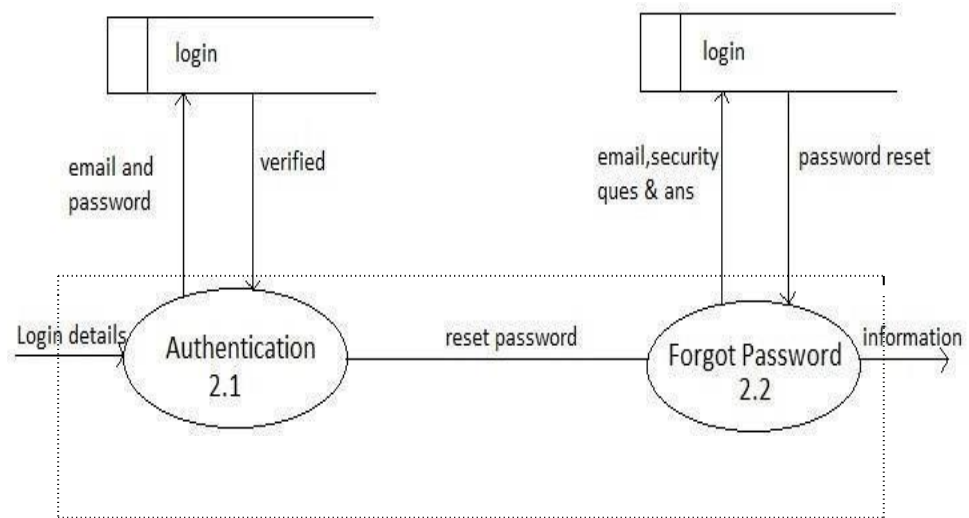


Figure 6.2 : Level 2

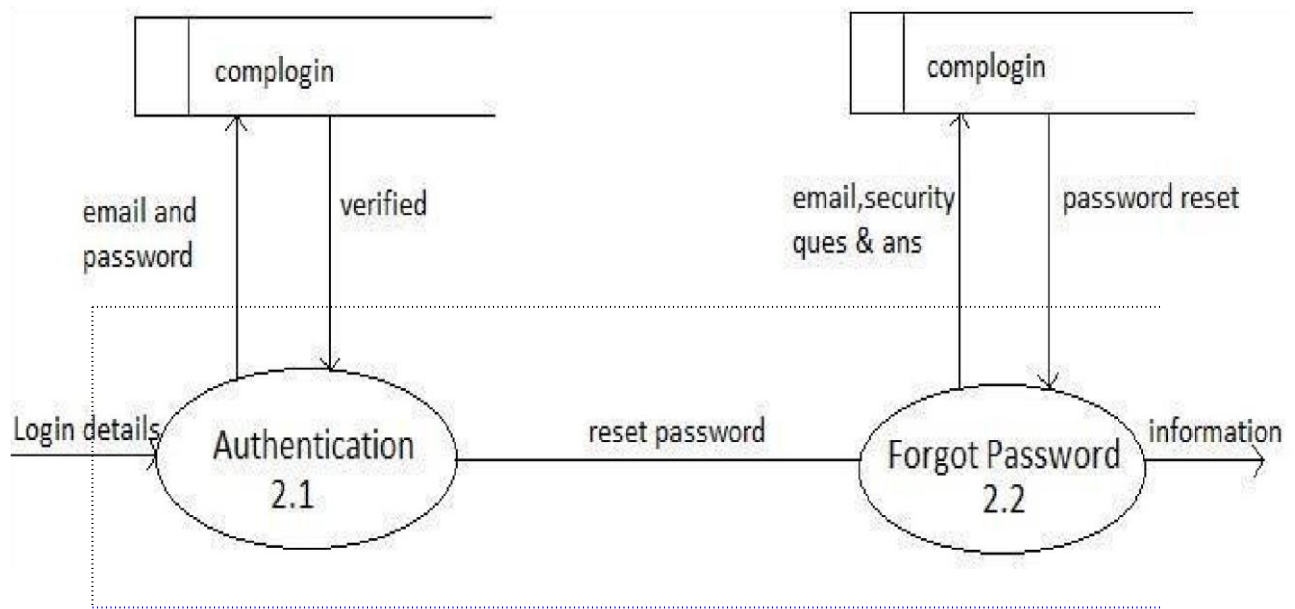
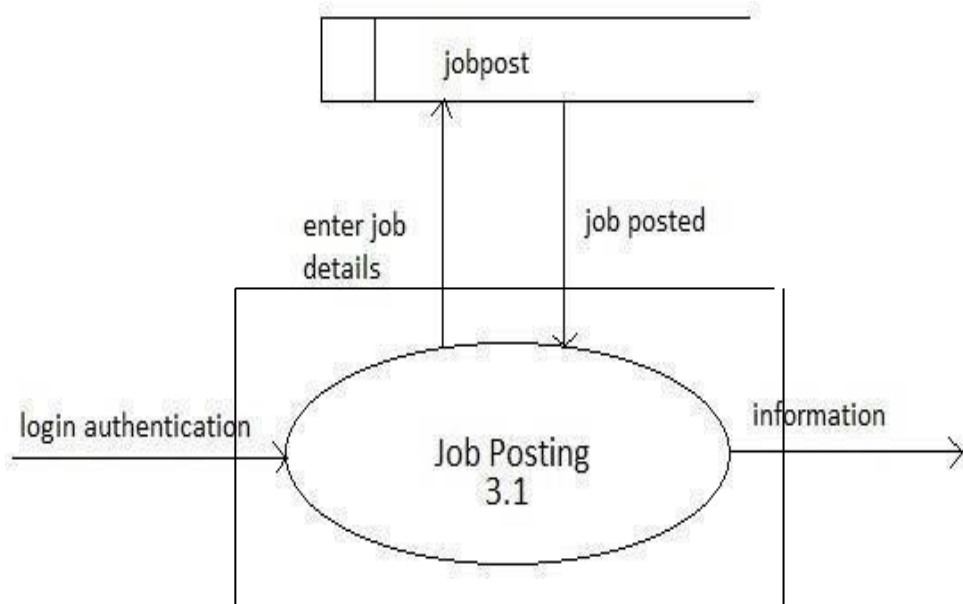


Figure 6.2 : Level 2(Company)



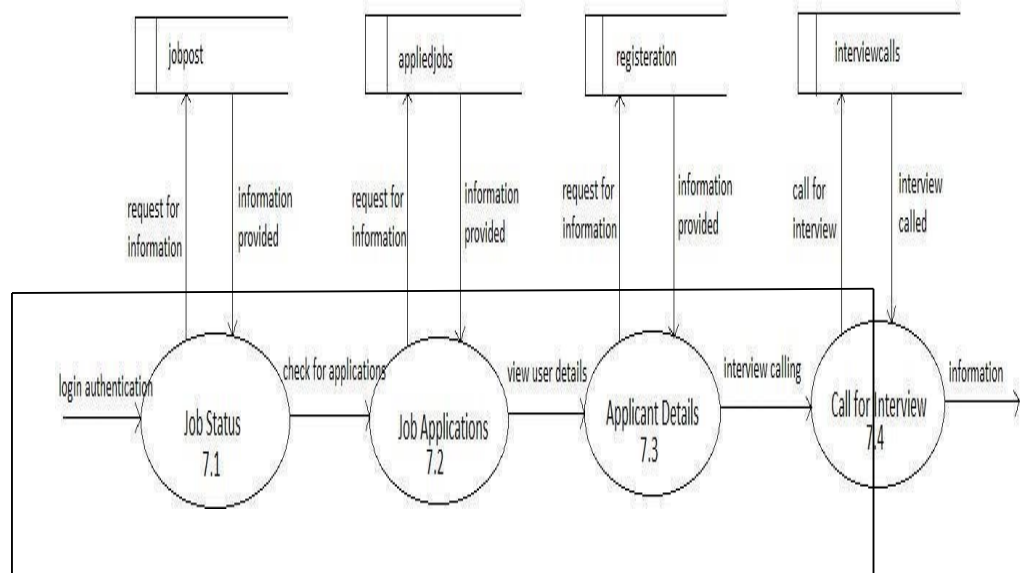
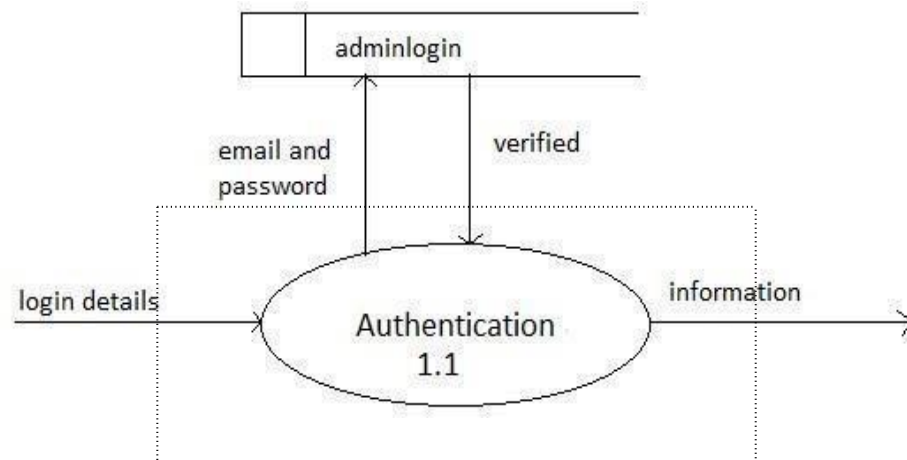
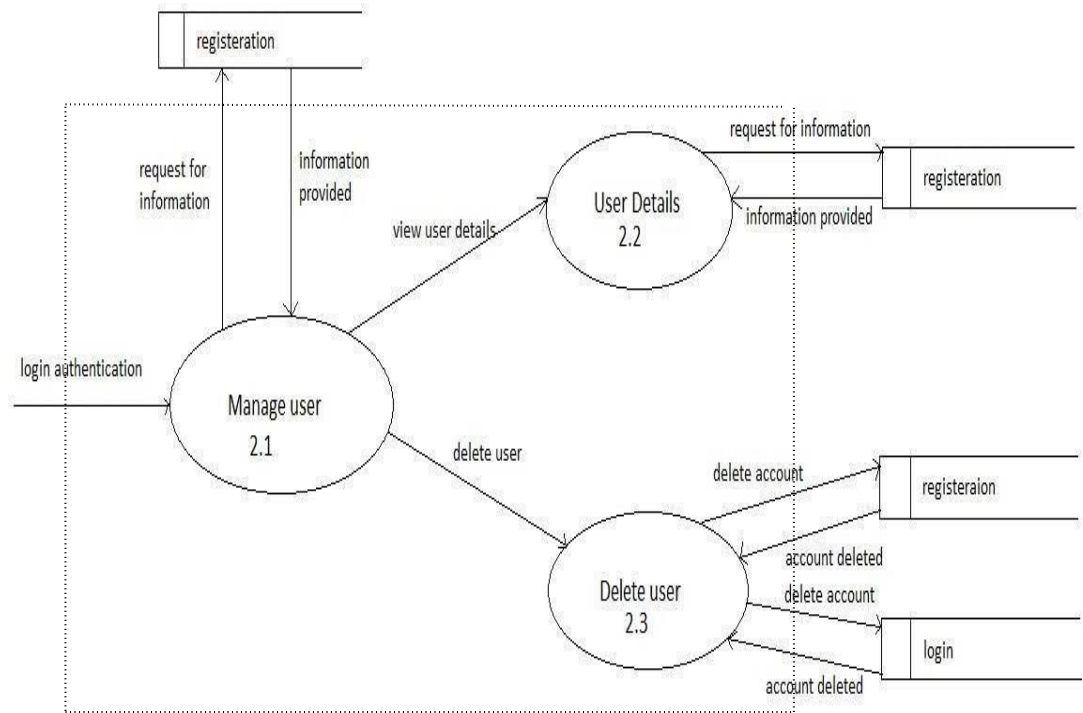
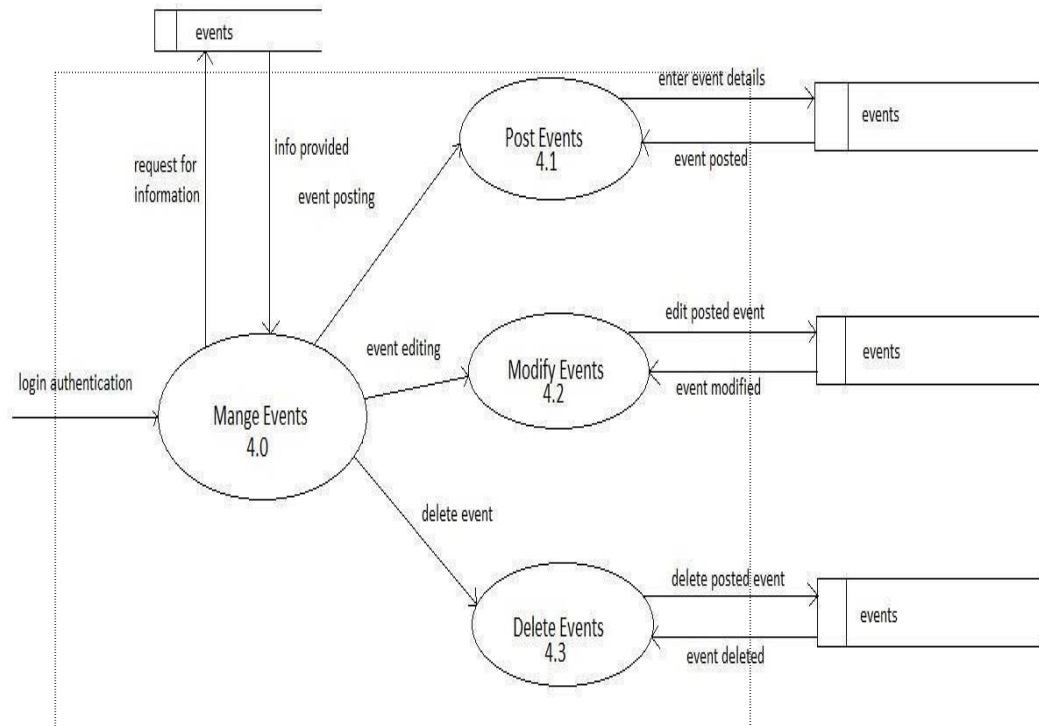
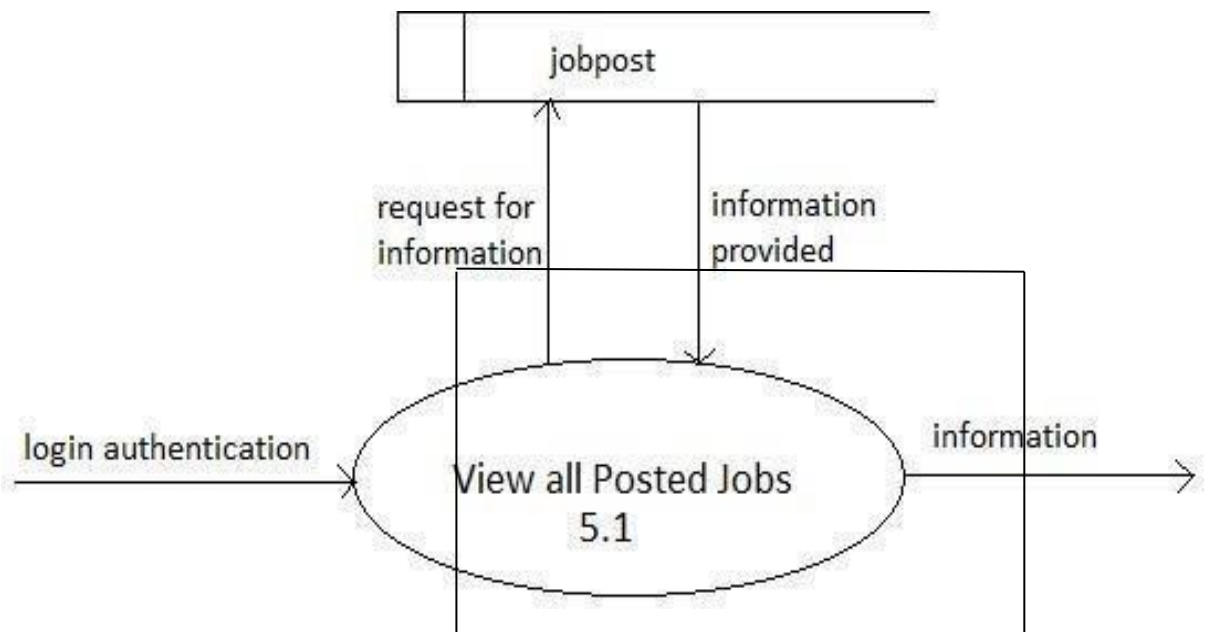


Figure 6.2 : Level 2 (Admin)









6.3 ER DIAGRAM

In entity-relationship diagram (ERD) is a data modeling technique that graphically illustrates an information system's entities and the relationships.



6.4 UNIFIED MODELING LANGUAGE DIAGRAMS

UML stands for Unified Modeling Language. The system notation has evolved from the work of Grady Booch, James Rumbaing, Ivar Jacobson, and the Rational Software Corporation. These renowned computer scientists fused their respective technologies into a single, standardized model. Today, UML is accepted by the Object Management Group (OMG) as the standard for modeling object-oriented programs.

A picture is worth a thousand words, this absolutely fits while discussing about UML. Object oriented concepts were introduced much earlier than UML. So, at that time there were no standard methodologies to organize and consolidate the object-oriented development. At that point of time UML came into picture.

There are a number of goals for developing UML but the most important is to define some general-purpose modeling language which all modelers can also it needs to be made simple to understand and use.

The common people and anybody interested to understand the system. The system can be a software or non-software. So it must be clear that UML is not development method rather it accompanies with processes to make a successful system. At the conclusion the goal of UML can be defined as a simple modeling mechanism to model all possible practical systems in today's complex environment.

6.4.1 USE CASE DIAGRAM

A use case is a methodology used in system analysis to identify, clarify, and organize system requirements. The use case is made up of a set of possible sequences of interactions between systems and users in a particular environment and related to a particular goal.

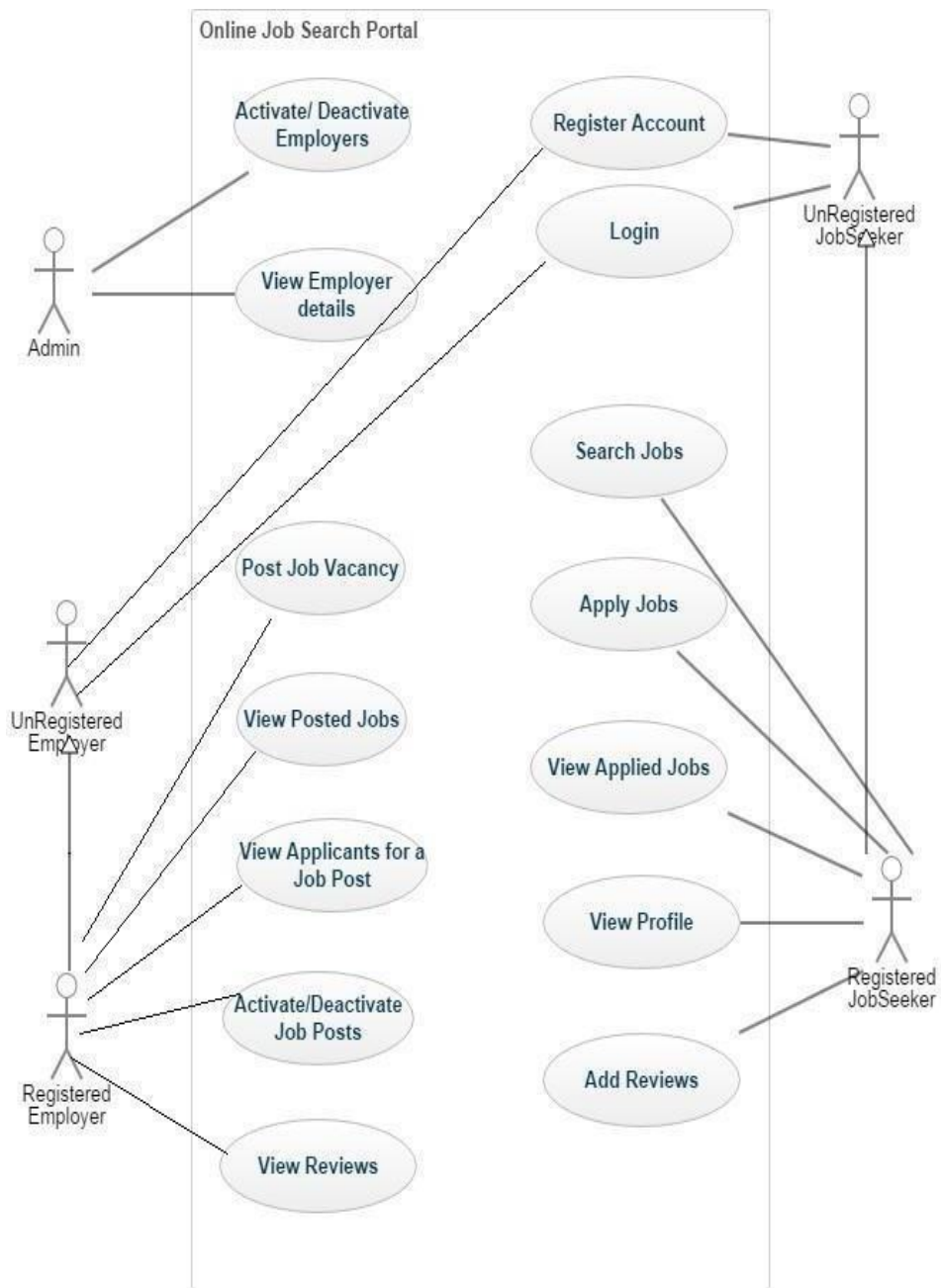


Figure :- 6.4.1 USE CASE DIAGRAM

6.4.2 CLASS DIAGRAM

A class diagram is an illustration of the relationships and source code dependencies among classes in the Unified Modelling Language (UML). In this context, a class defines the methods and variables in an object, which is a specific entity in a program or the unit of code representing that entity. Class diagrams are useful in all forms of object-oriented programming (OOP). The concept is several years old but has been refined as OOP modelling paradigms have evolved.

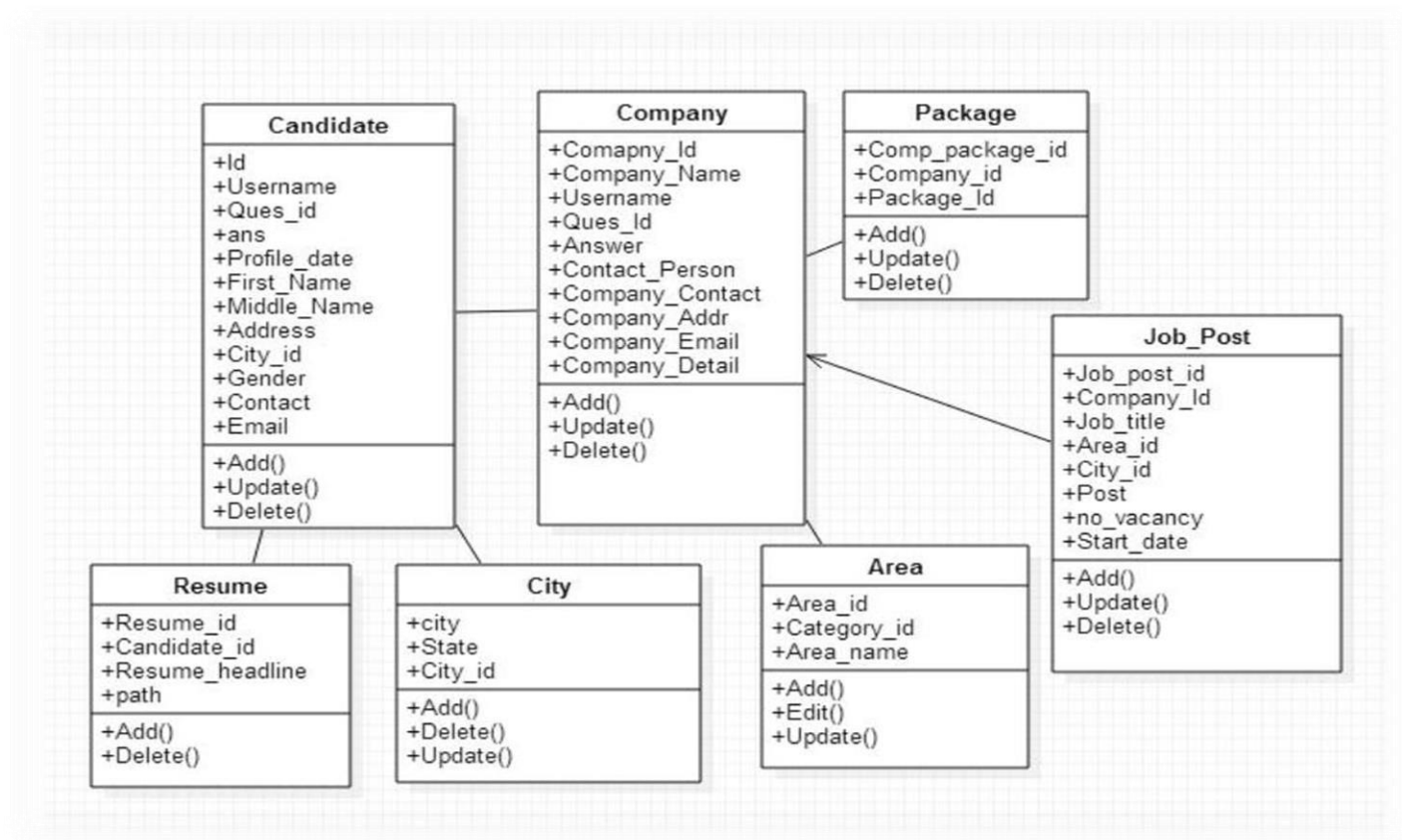


Figure 6.4.2 class diagram

6.4.2 ACTIVITY DIAGRAM

In Unified Modelling Language (UML), an activity diagram is a graphical representation of an executed set of procedural system activities and considered a state chart diagram variation. Activity diagrams describe parallel and conditional activities, use cases and system functions at a detailed level.

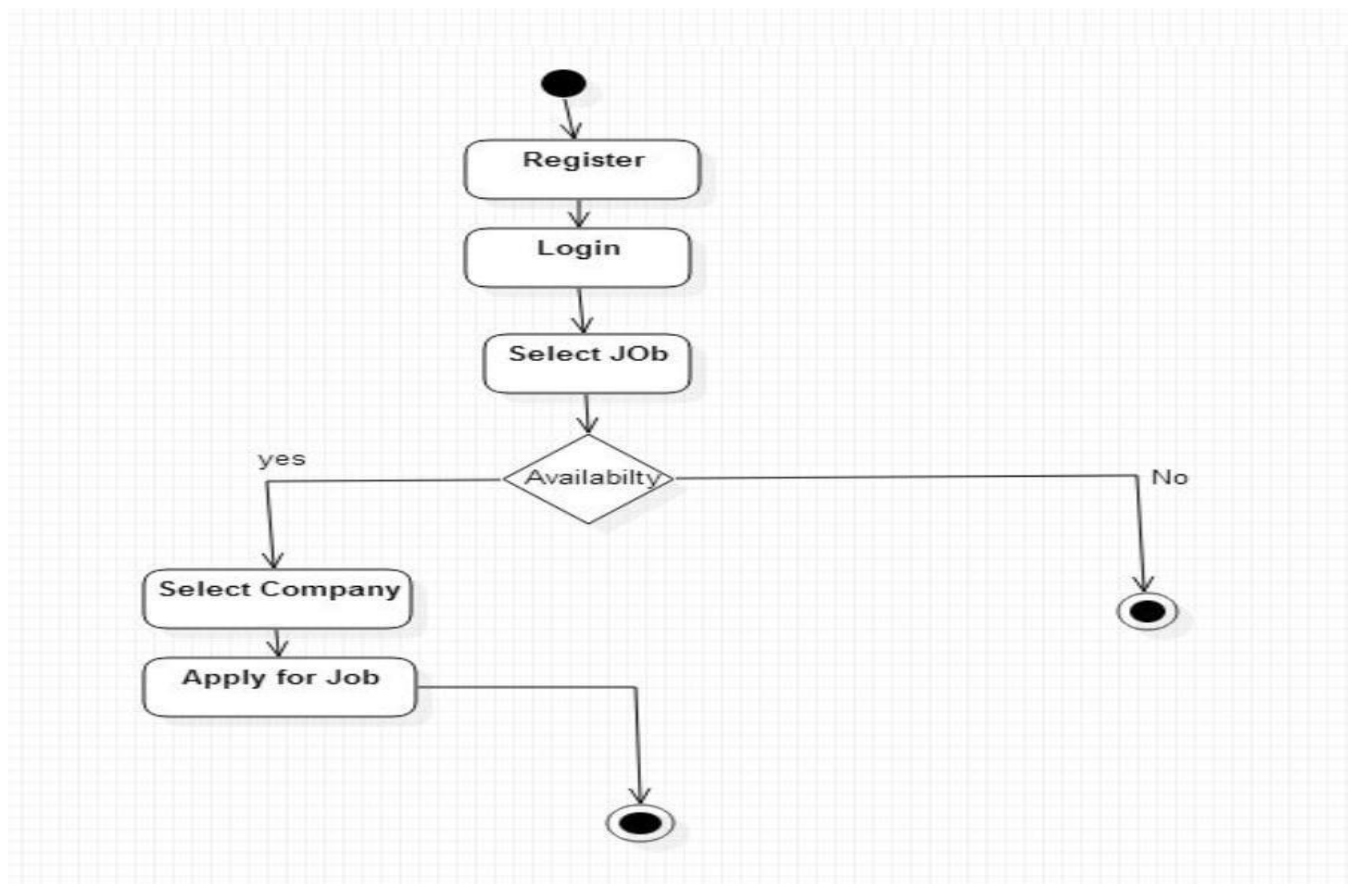


Figure :- 6.4.3 ACTIVITY DIAGRAM

CHAPTER 7

SYSTEM IMPLEMENTATION

7.1 MODULES

- **JOB SEEKERS**
- **RECRUITERS**
- **ADMINISTRATOR’S PANEL**
- **COURSE REGISTRATION**

7.2 MODULE DESCRIPTION

7.2.1 JOB SEEKERS

- Free Registration
- Create & Edit Profile
- Search, Filter Jobs & Send Messages to HR

7.2.2 RECRUITERS

- Free Registration
- Post and manage job
- Search and filter job
- Send and view message to candidate

7.2.3 FREE REGISTRATION

- Admin
- Users Manage Jobs
- Companies Manage Site Settings

CHAPTER 8

SOFTWARE DESCRIPTION AND DESIGN

8.1 SYSTEM DESIGN

System design is the process of defining the elements of a system architecture, modules and components, the different interfaces of those components and the data that goes through that system. It is meant to satisfy specific needs and requirements of a business or organization through the engineering of a coherent and well-running system.

8.2 OUTPUT DESIGN

1. Header: The header should include the company logo, the name of the distribution channel management system, and a navigation menu that allows users to access different sections of the documentation.
2. Sidebar: The sidebar should provide a hierarchical menu that displays the various sections and subsections of the documentation, allowing users to easily navigate to the relevant section.
3. Main content: The main content area should display the documentation for the selected section. It should include text

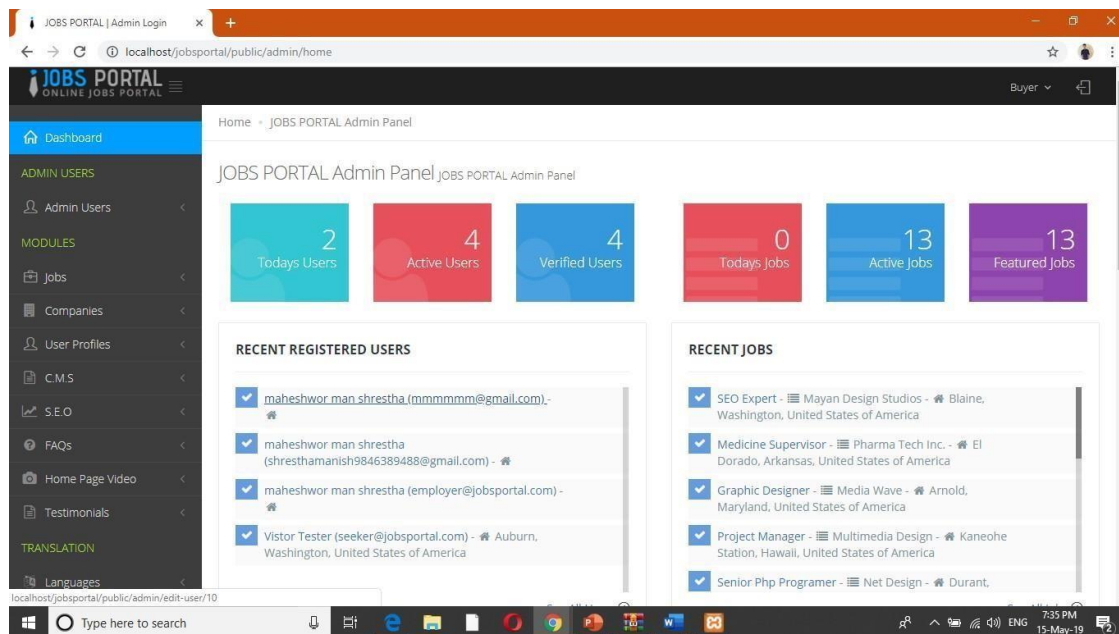
descriptions, images, and videos to provide clear explanations of the features and functionalities of the distribution

8.2.1 OUTPUT DESIGN OBJECTIVES

The output design of an information system must meet the following objectives:

- 1) The output design should provide information about the past, present or future events. The operational control level outputs provide information of the past and present events. On the other hand, required at the strategic planning level provide information of the future events.
- 2) The output of the design should indicate the important events, opportunities and problems
- 3) The output design should be designed keeping in mind that an action must be triggered in response to some event. A set of rules is pre-defined for such trigger.
- 4) The output design should produce some action to the transaction. For example, when the telephone bill is received, a receipt is printed.

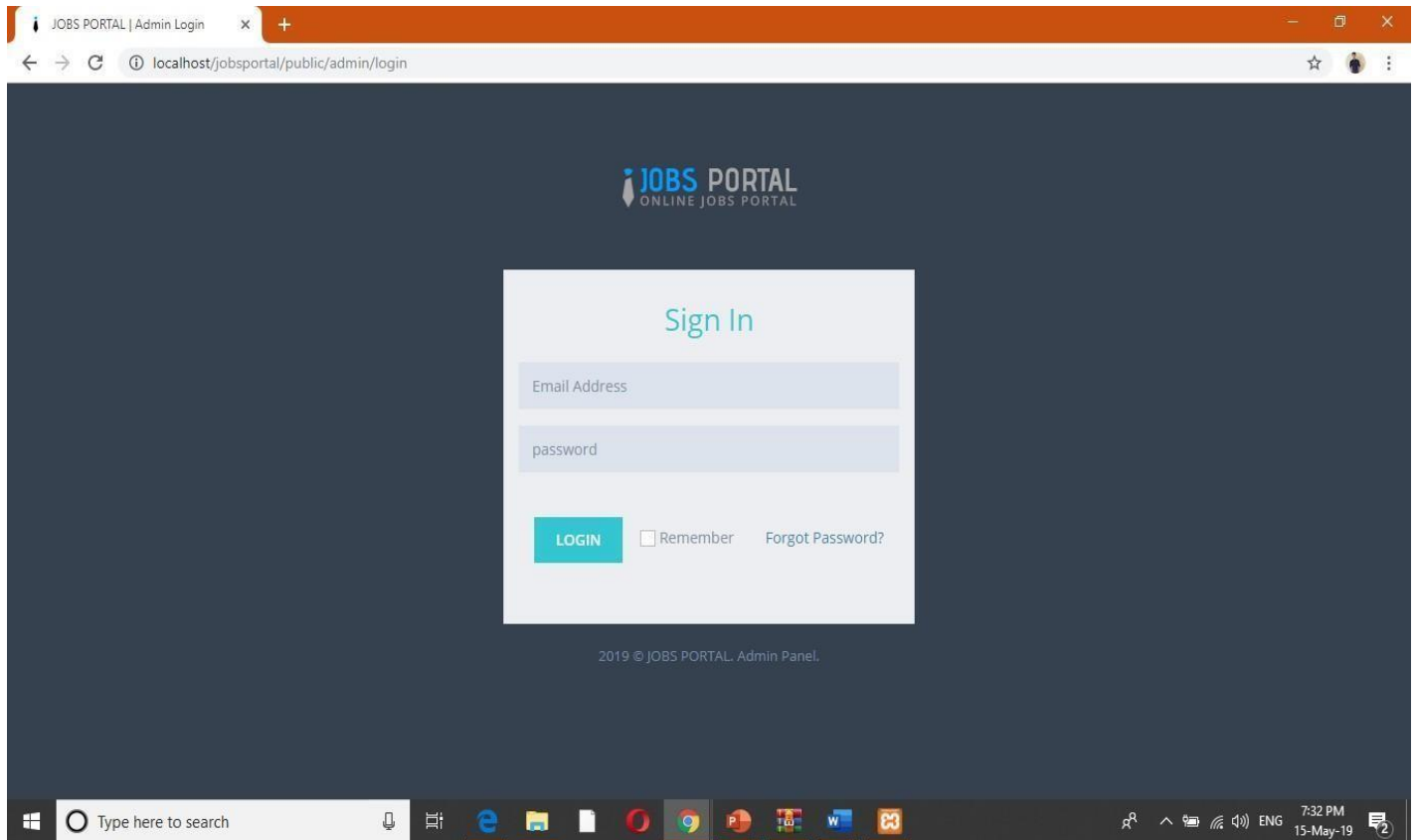
8.2.2 PRESENTATION OF OUTPUT

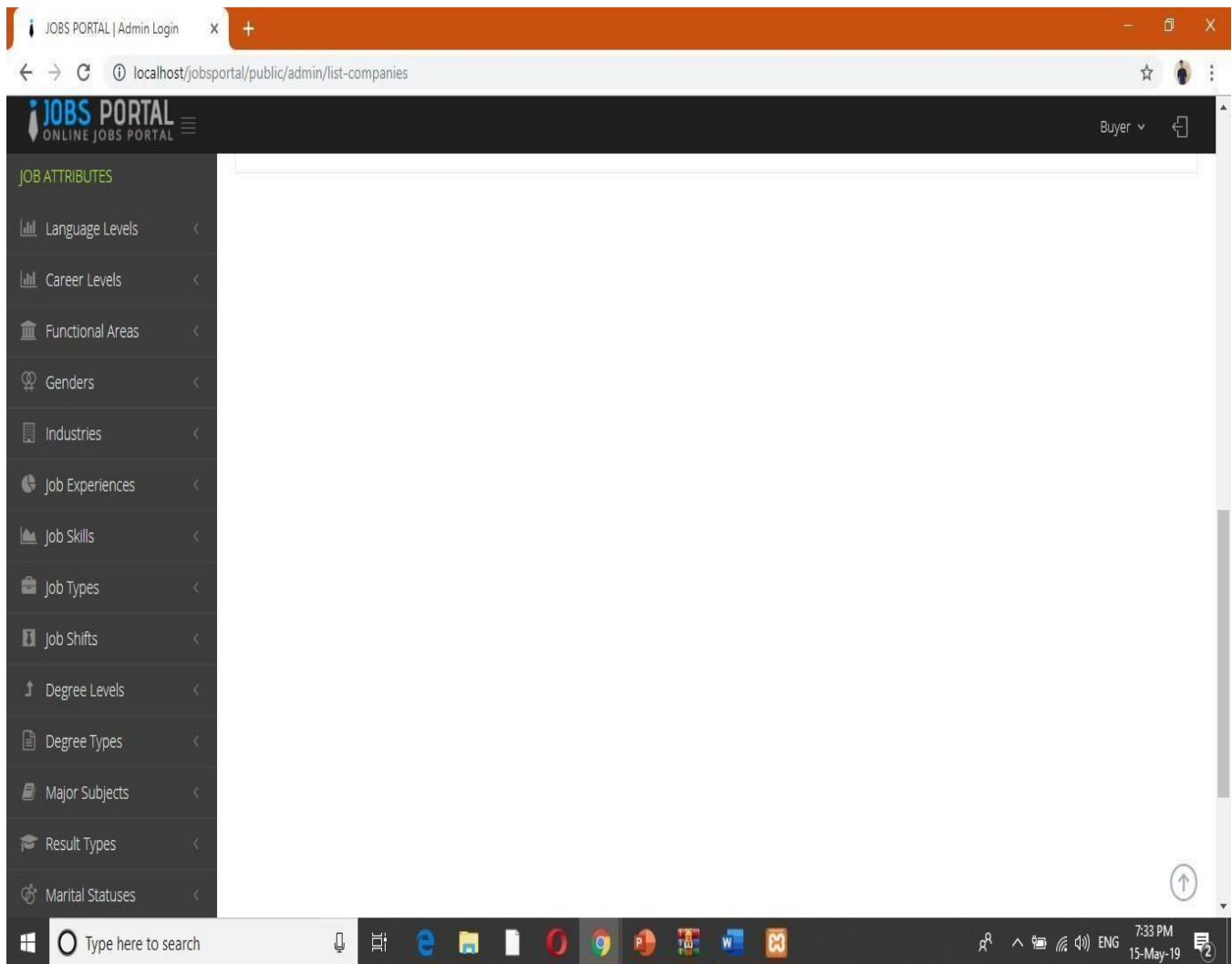


8.3 INPUT DESIGN

1. User interface: The user interface should be intuitive and easy to use. Consider using icons, labels, and tooltips to help users understand what each input field does.

2. Input validation: Make sure that all input fields are validated on the client-side using JavaScript and on the server-side using PHP. This will help prevent errors and ensure data integrity.
3. Input types: Use appropriate input types for each field, such as text, date, dropdown, checkbox, etc. This will help users enter data quickly and accurately.
4. Input formatting: Format input fields in a way that is easy to read and understand. For example, use placeholders, default values, and formatting masks to help users enter data correctly.
5. Error handling: Provide clear error messages when input validation fails, and highlight the fields that need to be corrected.
6. Data persistence: Use PHP to store input data in a database or file so that it can be retrieved and used later.
7. Security: Make sure that input fields are secure and protected from SQL injection attacks and other security threats.





8.4 PORTAL'S VIEW

A Online Portal can have two categories such as Job Seekers and Recruiters.

Job Seekers

- First he/she has to login into the Portal which will help him/her to avail the services of the Portal.
- He/she Can search Jobs, Post your Resumes and access career info and directly contact with recruiters and with companies via Messages.
- If any New jobs posted on the portal, the Notification will pop-Up.

Recruiters

- Get instant access to today's most powerful hiring tools - post jobs, search resumes, screen candidates and streamline your entire hiring process
- Contact with Seekers via Messages & Send documents in any format

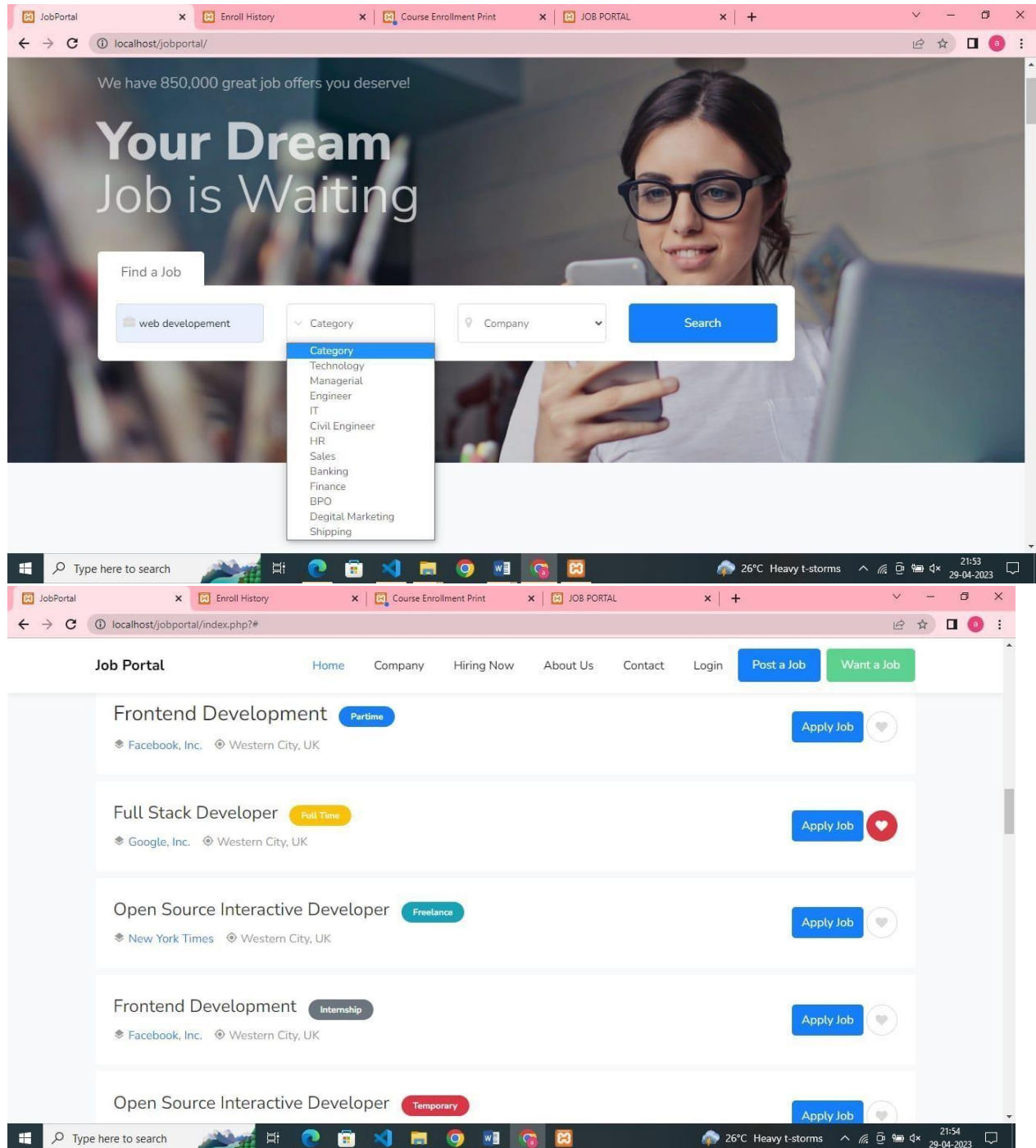
8.4.1 PROJECTS VIEW

This project has been mainly designed to overcome some of the problems faced with the previous system. The main problem faced was unnecessary delay in generating the required information by all unnecessary fields into consideration. It is a common platform where corporate recruiters and job seekers come under roof.

It is a one stop information clearing house about jobs and careers.
Job Miller mainly aims on two kinds of users.

CHAPTER 9

SCREENSHOTS



Job Portal

Home Company Hiring Now About Us Contact Login [Post a Job](#) [Want a Job](#)

Job Details

Accounting

- Required No. of Employee's : 1
- Salary : 15,000.00
- Duration of Employment : may 20
- Preferred Sex : Female
- Sector of Vacancy : yes

Qualification/Work Experience :
Two years Experience

Job Description:
We are looking for bachelor of science in Accountancy

Employer : URC

akalya

vasu

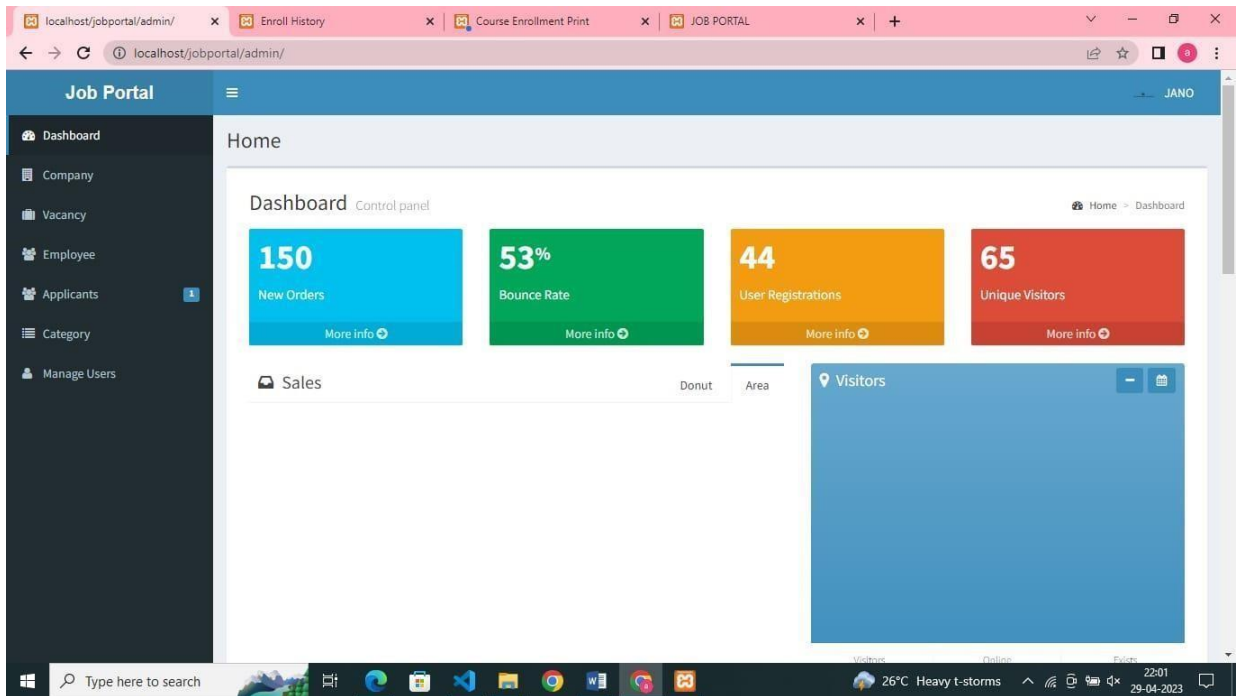
V

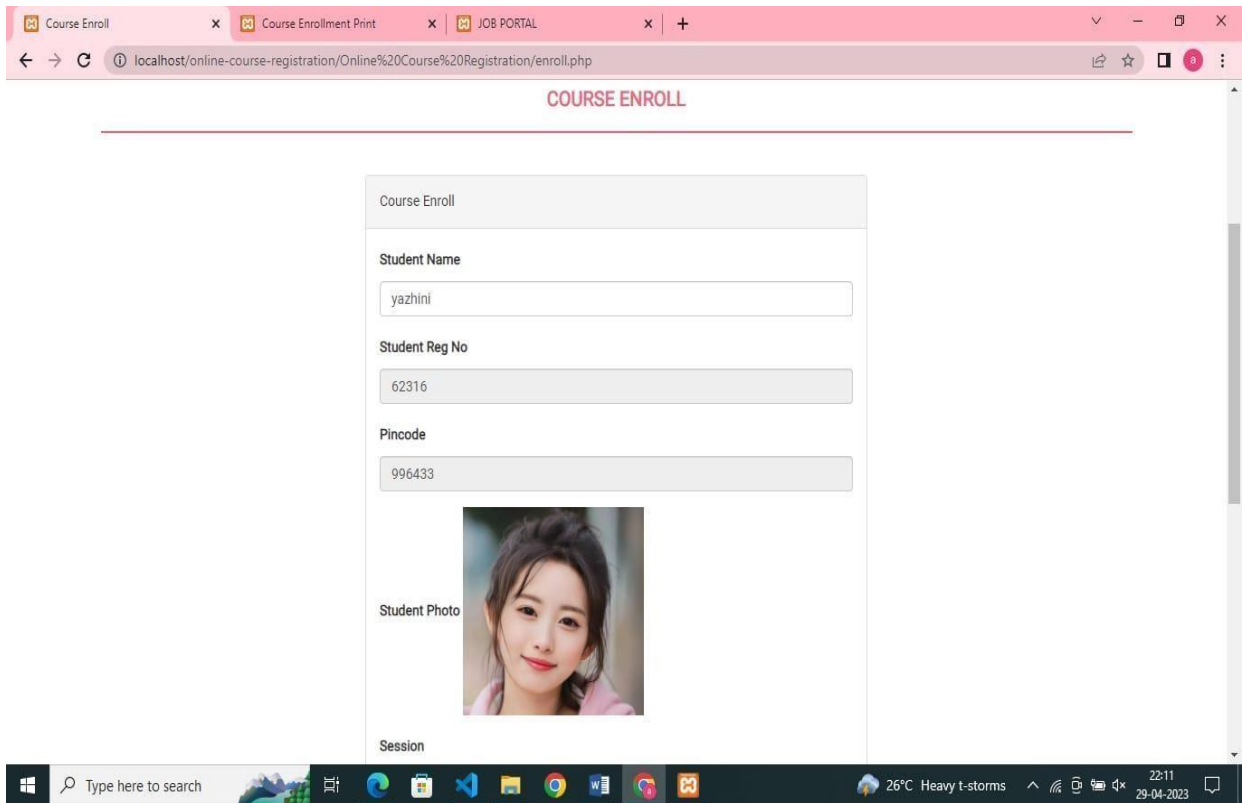
west

Sex: ☒ Female ☐ Male

Date of Birth: Aug 5 1998

palani





DATABASE DESIGN

The screenshot shows the phpMyAdmin interface for the 'onlinecourse' database. The 'Table structure' tab is selected for the 'userlog' table. The table has 6 columns:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	studentRegno	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
3	usertp	binary(16)			No	None			Change Drop More
4	loginTime	timestamp			No	current_timestamp()			Change Drop More
5	logout	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
6	status	int(11)			No	None			Change Drop More

The left sidebar shows a list of databases and tables, including 'application_master', 'employee_reg', 'feedback', 'jobseeker_education', 'jobseeker_reg', 'job_master', 'news_master', 'user_master', 'waiting_master', 'job_db', 'mcq_db', 'mygym', 'mysql', 'obocdb', 'online_admission', 'onlinecourse', 'admin', 'course', 'courseenrols', 'department', 'level', and 'semester'.

The screenshot shows the phpMyAdmin interface for the 'onlinecourse' database. The 'Table structure' tab is selected for the 'courseenrols' table. The table has 9 columns:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	studentRegno	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
3	pincode	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
4	session	int(11)			No	None			Change Drop More
5	department	int(11)			No	None			Change Drop More
6	level	int(11)			No	None			Change Drop More
7	semester	int(11)			No	None			Change Drop More
8	course	int(11)			No	None			Change Drop More
9	enrollDate	timestamp			No	current_timestamp()			Change Drop More

The left sidebar shows a list of databases and tables, including 'information_schema', 'issue-tracker', 'issue_tracker_db', 'javapoint', 'job', 'application_master', 'employee_reg', 'feedback', 'jobseeker_education', 'jobseeker_reg', 'job_master', 'news_master', 'user_master', 'waiting_master', 'job_db', 'mcq_db', 'mygym', 'mysql', 'obocdb', 'online_admission', 'onlinecourse', 'admin', 'course', 'courseenrols', 'department', 'level', and 'semester'.

DATA SCREENSHOT

Showing rows 0 - 1 (2 total, Query took 0.0045 seconds)

```
SELECT * FROM `tblusers`
```

USERID	FULLNAME	USERNAME	PASS	ROLE	PICLOCATION
00018	JANO	admin	d033e22ae348aeb5660fc2140aec35850c4da997	Administrator	photos/077db70b-ab84-46c4-bbaa-a5dd6b7332a4_200x200...
10	Akalya V	V	b1d578111d84f7b3fe45a0852e59758cd7a87e5	Employee	

Showing rows 0 - 4 (5 total, Query took 0.0006 seconds)

```
SELECT * FROM `tblcompany`
```

COMPANYID	COMPANYNAME	COMPANYADDRESS	COMPANYCONTACTNO	COMPANYSTATUS	COMPANYMISSION
2	URC	Bry Camugao	023654		weqwe
3	Coperos	Mabina'y's	035656		
4	Quest	Kabankalan City	23165		
6	Palacios Company	Kabankalan City	0625656899		
7	IT Company	Kabankalan City	04564123		

localhost / 127.0.0.1 / db_jobportal x

localhost/phpmyadmin/index.php?route=/sql&pos=0&db=db_jobportal&table=tblcategory

Server: 127.0.0.1:3307 Database: db_jobportal Table: tblcategory

Showing rows 0 - 10 (11 total, Query took 0.0003 seconds.)

SELECT * FROM `tblcategory`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	CATEGORYID	CATEGORY
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	10	Technology
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	11	Managerial
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	12	Engineer
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	13	IT
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	14	Civil Engineer
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	15	HR
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	23	Sales
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	25	Finance
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	26	BPO
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	27	Digital Marketing
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	28	Shipping

Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

Activate Windows
Go to Settings to activate Windows.

localhost / 127.0.0.1 / db_jobportal x

localhost/phpmyadmin/index.php?route=/sql&pos=0&db=db_jobportal&table=tblapplicants

Server: 127.0.0.1:3307 Database: db_jobportal Table: tblapplicants

Showing rows 0 - 3 (4 total, Query took 0.0004 seconds.)

SELECT * FROM `tblapplicants`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	APPLICANTID	FNAME	LNAME	MNAME	ADDRESS	SEX	CIVILSTATUS	BIRTHDATE	BIRTHPLACE	AGE	USERNAME	PASS
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2019016	asd	asd	asd	asd	Female	none	1980-01-29	asd	39	aa	e0c9035898dd52fc05c4145
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2019018	asdasd	asd	asd	sadas	Female	Single	1992-01-12	sad	27	ss	c1c93f88d277360be5358cd
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2019020	sad	sad	sad	asdsad	Female	Single	1992-10-14	asdsad	27	ddd	9c969ddf454079e3d439973
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2023021	akalya	vasu	V	west	Female	Single	1998-08-05	palani	24	akalyavasuv	8cb2237d0679ca88db6464e

Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

Query results operations

☐ Print ☐ Copy to clipboard ☐ Export ☐ Display chart ☐ Create view

Console/mark this SQL query

Activate Windows
Go to Settings to activate Windows.

localhost / 127.0.0.1 / job / job_r

localhost/phpmyadmin/index.php?route=/sql&pos=0&db=job&table=job_master

Server: 127.0.0.1:3307 Database: job Table: job_master

Showing rows 0 - 3 (4 total, Query took 0.0004 seconds.)

SELECT * FROM `job_master`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	Jobid	CompanyName	JobTitle	Vacancy	MinQualification	Description
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	Wipro Infotech	Software Professional Required	2	M.C.A	ASP.NET
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	Wipro Infotech	Marketing Executive Required	5	M.B.A	Freshers Are Invited
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	TCS Private Limited	Software Trainee Required	1	B.Sc.I.T	Starting Salary 5000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	Wipro Infotech	Cleaners Required	3	S.S.C	N

Check all | With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Let every user access this bookmark

Activate Windows
Go to Settings to activate Windows.

Console

Type here to search

26°C Heavy t-storms 22:13 04-05-2023

CHAPTER 10

10.1 CONCLUSION:

We can conclude that the project Skills and job recommender system (Job Searching Portal) will be a project with a high success rate which will be able to deliver all the needs and requirements of employee (job seekers) as well as the employer (recruiter). Job seekers can easily find jobs completely related to their field and put an application online and confirm If they are feasible for the job and they are hired by the employers or not. It was clearly known during the development of project that it is a completely dynamic project which has never ending possibilities for improvement irrespective with the platform used for its creation. The job recommendation system with analysis of job description to recommend a job based on user's skills and preferences presents itself. In this document, we reviewed various limitations of the current recommendation methods and discussed possible extensions that can provide better recommendation capabilities. This system can be used as an Online Job Portal for the Placements providing to the unemployees who are seeking for a job placement. Job Seeker logging into the system and he can should be able to upload their information in the form of a CV. Visitors/Company representatives logging in may also access/search any information put up by Job Seeker. This system provides job recommendation to the jobseeker in a user friendly way which also have a best way to post the job vacancies in this platform to improve the business or corporate companies wealth by choosing the perfect candidates for their jobs. The job seeker can also enroll course

and attend webinar, conferences. There is a separate column for walk-in interview. This system brings the solution for the nation's economic problem by decreasing the unemployment.

10.2 FUTURE ENHANCEMENT:

- Creating an application rather than just a website.
- Creating user friendly and fully responsive application.
- Accessing the login become more secure with the help of biometric technique
- Development of Chatbot.
- Easy accessibility to digital tools and techniques.
- And help to establish a better connection which makes the job portals remain on the competitive edge.
- We can also provide templates for building the resumes which might interest most applicants.

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- [2] GadgetByte, "GadgetByte," 13 may 2018. [Online]. Available: <https://www.gadgetbytenepal.com/best-job-portals-nepal/>. [Accessed 15 january 2019].
- [3] E. Nepal, "educatenepal," 12 april 2018. [Online]. Available:http://www.educatenepal.com/notice_announcements/vacancy/jobs-at-ngos-ingossocial-work-embassies-peace-development-sector-in-nepal. [Accessed 16 january 2019].
- [4] Toolsqa:"toolsqa," 12january2019[Online].Available:<https://www.toolsqa.com/software-testing/waterfall-model/>. Accessed12 april 2019].
- [5] Al-Otaibi, S.T. and Ykhlef, M. (2012) Job recommend systems for enhancing recruitment process in: Proceedings of the International Conference on information Knowledge Engineering (IKE).

APPENDIX

SAMPLE CODING:

```
<?php

session_start();

if(isset($_SESSION['$UserName'])) {

    header('location:Admin/index.php');

}

if(isset($_SESSION['$UserName_job'])) {

    header('location:JobSeeker/index.php');

}

if(isset($_SESSION['$UserName_emp'])) {

    header('location:Employer/index.php');

}

?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict

<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="cs"

lang="cs">

<head>

    <meta http-equiv="content-type" content="text/html;

    charset=utf-8" />

    <meta http-equiv="content-language" content="cs" />

    <meta name="robots" content="all, follow" />
```

```

<title>JOB PORTAL </title>

<meta name="description" content="..." />

<meta name="keywords" content="..." />

<link rel="index" href="." title="Home" />

<?php
includ
e
"menu
.php"
?>

<!-- Page (2 columns) -->

<div id="page" class="box">
<div id="page-in" class="box">
    <div id="strip" class="box noprint">
        <!-- RSS feeds -->

        <hr class="noscreen" />

        <!-- Breadcrumbs -->

        <p id="breadcrumbs">&nbsp;</p>

        <hr class="noscreen" />
    </div> <!-- /strip -->

    <!-- Content -->

    <div id="content">

        <!-- /article -->

```

```

        <hr class="noscreen" />

        <!-- /article -->

        <hr class="noscreen" />

        <!-- Article -->

        <!-- /article -->

        <hr class="noscreen" />

        <!-- Article -->

        <div class="article">

            <h2><span><a href="#">Welcome To Job Portal
System </a></span></h2>

                                <h3><marquee>Welcome To Job
Portal System </marquee></h3>

                <p align="right">    </p>
<p class="btn-more box noprint">&nbsp;</p>

        </div> <!-- /article -->

        <hr class="noscreen" />

    </div> <!-- /content -->

<?php
includ
e"righ
t.php"

```

?>

</div> <!-- /page-in -->

</div> <!-- /page -->

<?php

include

"footer.

php"

?>

</body>

</html>