



INSTITUTE FOR ADVANCED COMPUTING AND SOFTWARE DEVELOPMENT AKURDI, PUNE

Documentation On

“Business Suite” – An Enterprise Resource Planning Application

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Submitted by –

Group No. – 23

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Project guide

Abstract

This project is a web-based Enterprise resource planning system for an existing company. The Project objective is to deliver the online Enterprise resource planning system application into web platform.

This project is an attempt to provide the advantages of online Enterprise resource planning system to the companies. It helps to manage resources in the company anywhere through internet by using this web-application. Thus, the companies will get the service of online Enterprise resource planning system. This system can be implemented by any company.

If companies are using an online portal where their employee can manage resources from anywhere, the company won't losing any money managing all manual documentation and files required in manual management of resources. Since this web application is available on the internet it is easily accessible and always available.

Acknowledgement

I take this occasion to thank God, almighty for blessing us with his grace and taking our endeavor to a successful culmination.

I extend my sincere and heartfelt thanks to our esteemed guide, **Mrs. Megha Mane** for providing me with the right guidance and advice at the crucial juncture and for showing me the right way. I extend my sincere thanks to our respected Centre Co-Ordinator **Mr. Rohit Puranik**, for allowing us to use the facilities available.

I would like to thank the other faculty members also, at this occasion. Last but not the least, I would like to thank my friends and family for the support and encouragement they have given me during the course of our work.

Swapnil Gadave (229030)

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Introduction

This project is a web based enterprise resource planning system for the companies. An online business suite where admin can hire applicant, remove employee or applicant. A employee or applicant can login to their respective account to see their personal details such as name, address, mobile number, etc.

Employee having HR role has the authority to post job posts on the company web site portal in which contains all details about the job. HR has also the authority to schedule the interviews for the shortlisted applicants. The employee can take the interview of the applicants through the interview portal and applicants also can give the interview through the same interview portal.

This project is attempts to provide the advantages of online enterprise resource planning system for the companies. The objective of the project is to make an web application to manage the resource in the companies. In order to build such an web application complete web support, need to be provided. A complete and efficient web application which can provide the online ERP system experience is the basic objective of the project.

Features :

1. Admin and Employee can search for applicants.
2. Admin can view details of the applicants and employees.
3. Admin can hire/remove employee and applicants.
4. Allows the employee and applicants to see their details.
5. Employee can take the interview of the applicant through interview portal.
6. Applicants can give interview through the interview portal.
7. Allows employees to manage the applicants.

1.1. Project Objective

The primary objective of Business Suite is to connect talented people through recruitment portal of the business suite. To use transformation strategy to modernize and integrate business processes and systems. This platform is to empower staff and applicants to access information and provide service through an initiative and integrated interface. Business Suite is intended to provide software solution for the organization to manage the resources like employees, applicants etc. through a single Gateway using internet.

1.2. Project Objective

The central concept of the application is to allow the applicant to apply virtually using the internet and allow to see the job posts posted on the company website. The information pertaining to the applicants, employees and admin is stored on an RDBMS at the server side.

The server processes the applicants, and the applications send to the HR. The application was designed into two modules first is for the applicants who can apply for the jobs posted by the HR and second fro the employees who can take the interviews of the applicants and manage them and also update the job post on the company website. The application, which is deployed at the applicant side, have the details of the applicants and brought forward from the database for the applicant view based on selection through the menu and the database of the applicant is updated whenever any applicant apply for the new job post.

Data entry into the application can be done through various screens designed for various level of users. Once the authorized personal feed the relevant data into the system, several reports could be generated as per the security.

1.3. Project Scope

This system can be implemented to any company. The system recommends a facility to accept the applications 24X7. If the companies are providing an online portal where employees can manage the resources from remote places, the companies won't be losing any time as well as money in managing manual files and reports.

The scope of human resources (HR) module typically includes functions such as employee management, benefits administration, and recruitment. It can also include features for performance management, training and development.

1.4. Study of the system

1.4.1. Modules :

The system after careful analysis has been identified to be presented with the following modules and roles.

The modules involved are :

- Administrator
- Employee
- Applicant

1.4.1.1. Administrator

The administrator is the super user of this application. Only admin have access into this admin page. Admin may be the owner of the company. The administrator has all the information about the employees and applicants.

This module is divided into different sub modules

1. Manage applicants
2. Manage employee

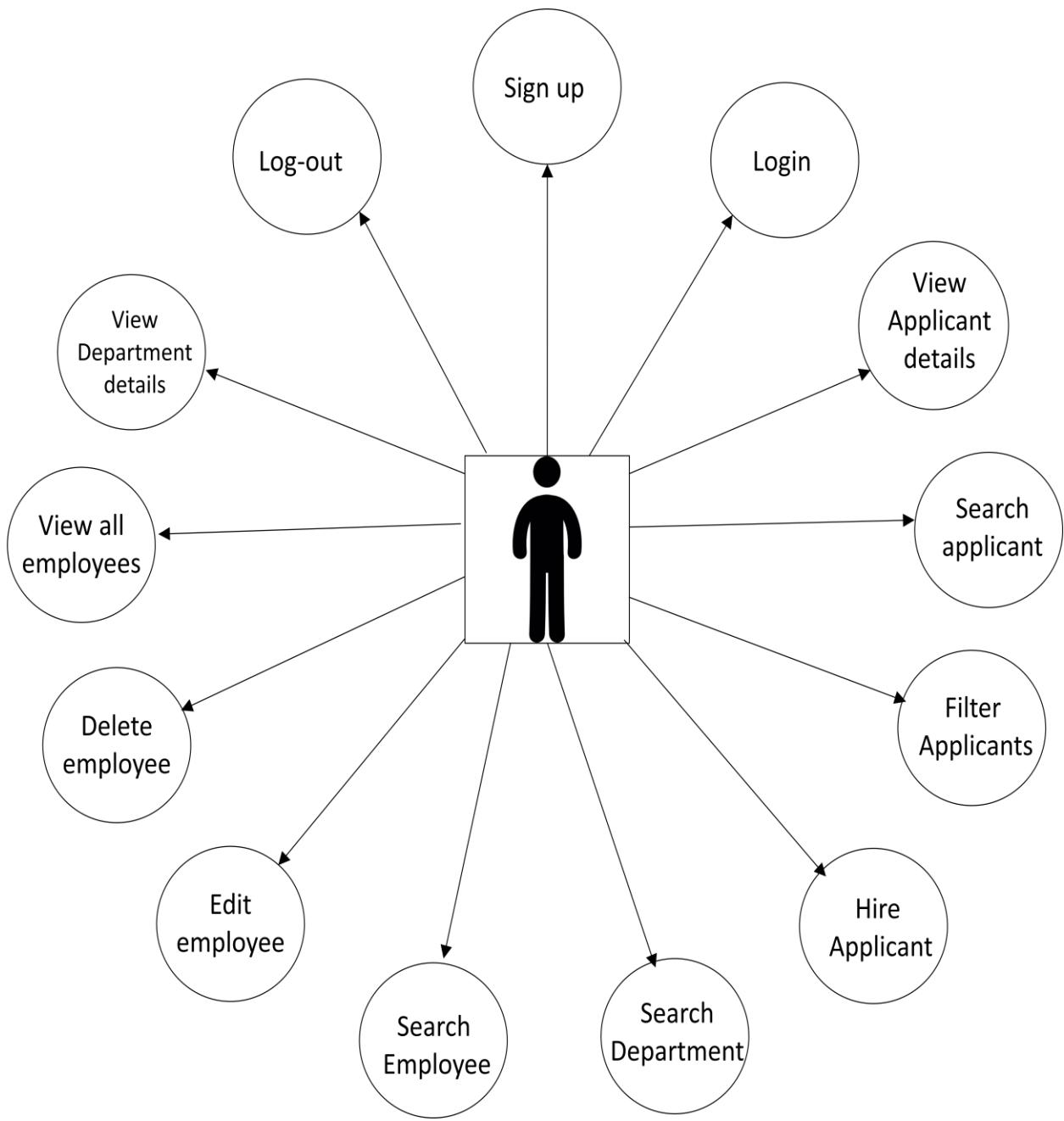


Figure 1 : Admin Use-Case diagram

➤ **Add Employee**

The Business suite contains employees having different roles. The employees can be classified into different categories by the role. Admin can add new employee into the existing system with all its details including an image.

➤ **Search Employee**

Admin can search for the employee in the employee database.

➤ **Edit Employee**

Admin can edit the employee details whenever needed.

➤ **Delete Employee**

Admin can delete the employee based on the performance of the employee.

➤ **Add Department**

Admin can add department in the existing system.

➤ **Delete Department**

Admin can delete department in the existing system.

➤ **Delete Applicant**

Admin can delete applicant in the existing system.

➤ **Search Applicant**

Admin can search for the applicant in the employee database.

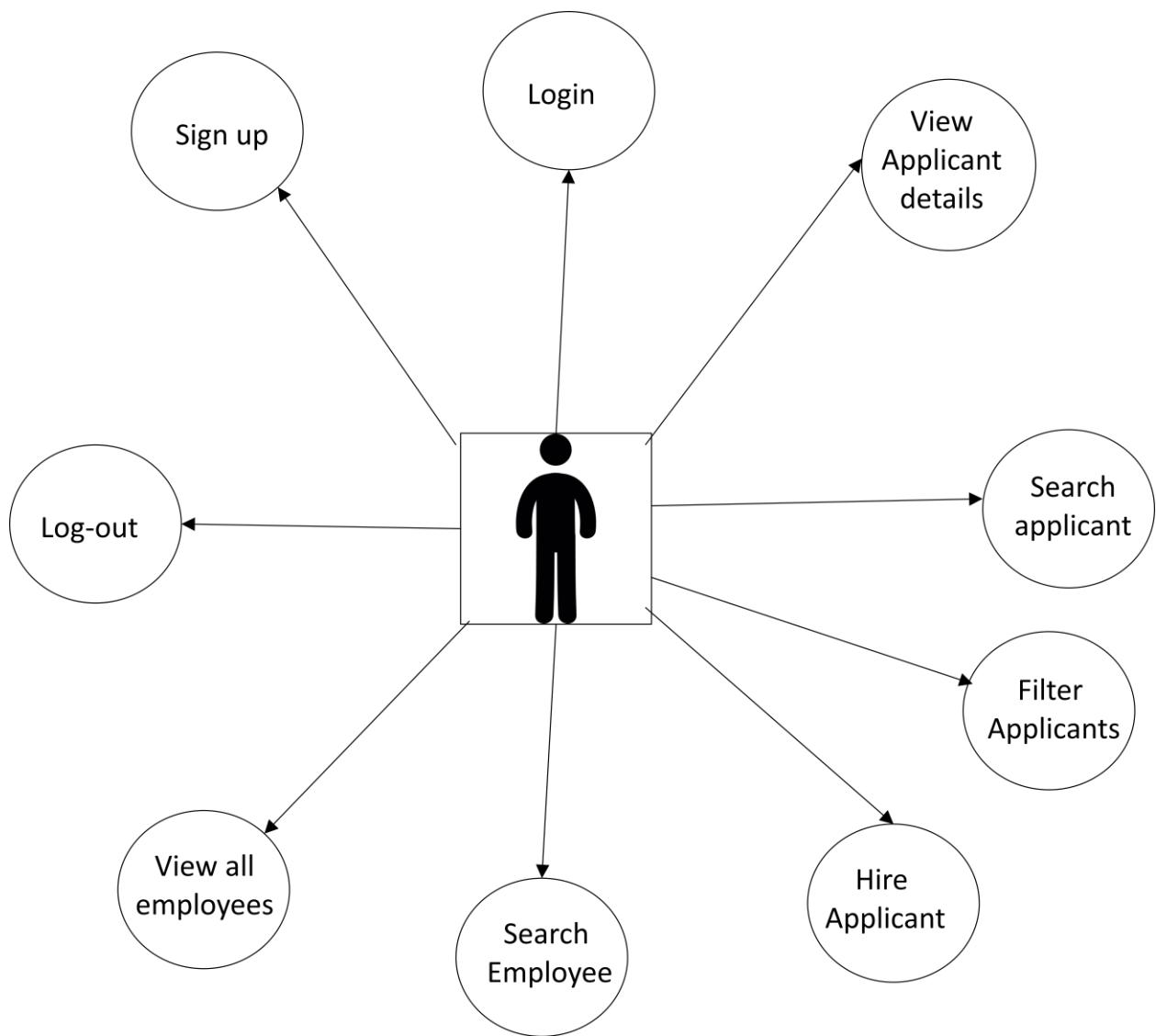


Figure 2 : Employee Use-Case diagram

➤ **Search Applicant**

Employee can search for the applicant in the employee database.

➤ **Delete Applicant**

Employee can delete applicant in the existing system.

➤ **Search Employee**

Employee (Manager role) can search for the employee in the employee database.

➤ **Edit Employee**

Employee (Manager role) can edit the employee details whenever needed.

➤ **Filter Applicant**

HR has the authority to filter the applicants based on the given criteria in the job description.

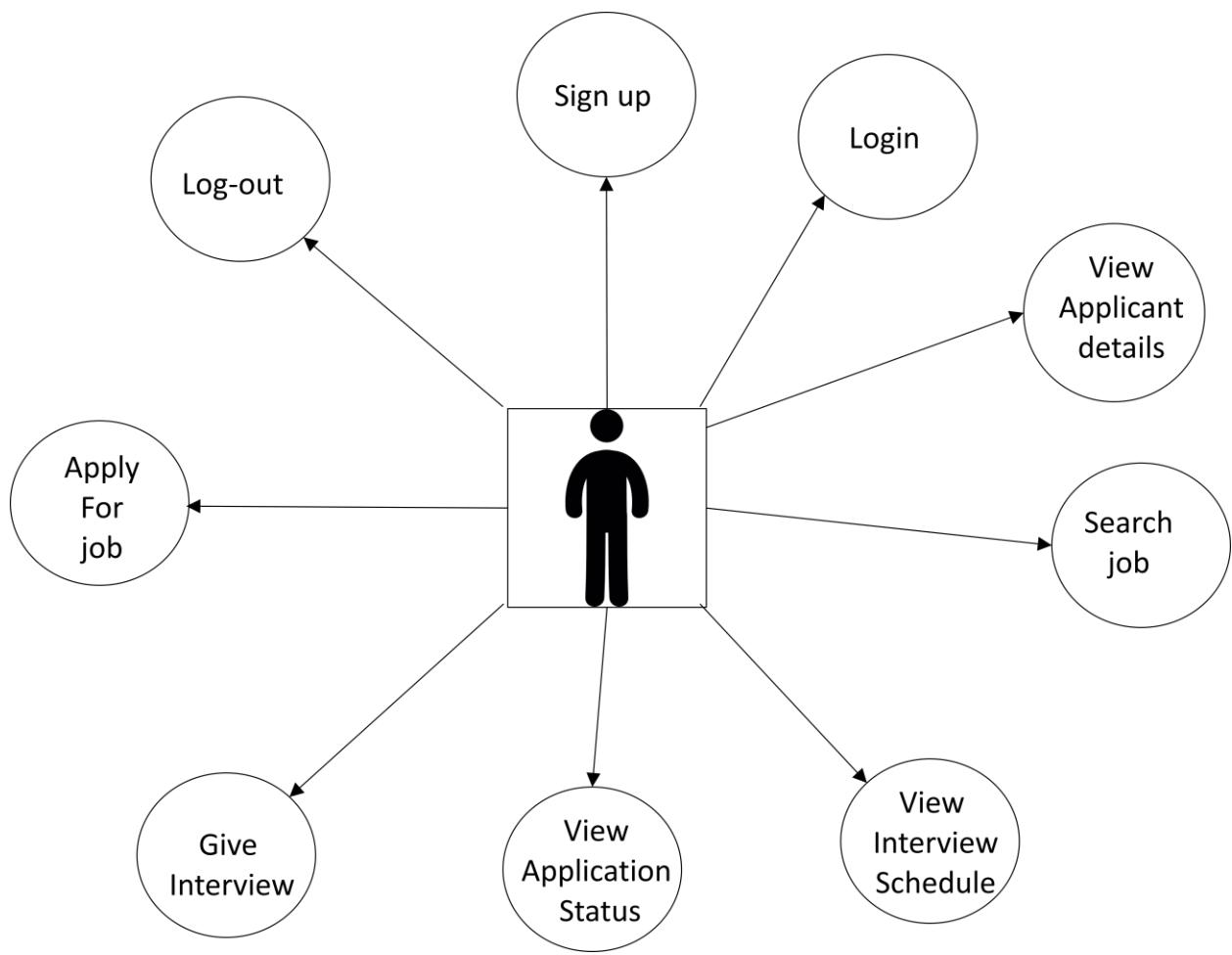


Figure 3 : Applicant Use-Case diagram

➤ **View Personal details**

Applicants can view their personal details.

➤ **View Application Status**

Applicants can see their application status.

➤ **Search Job**

Applicants can search for the job on the company portal.

➤ **Give Interview**

Applicants can give interview through the interview portal.

Activity diagram for Applicant

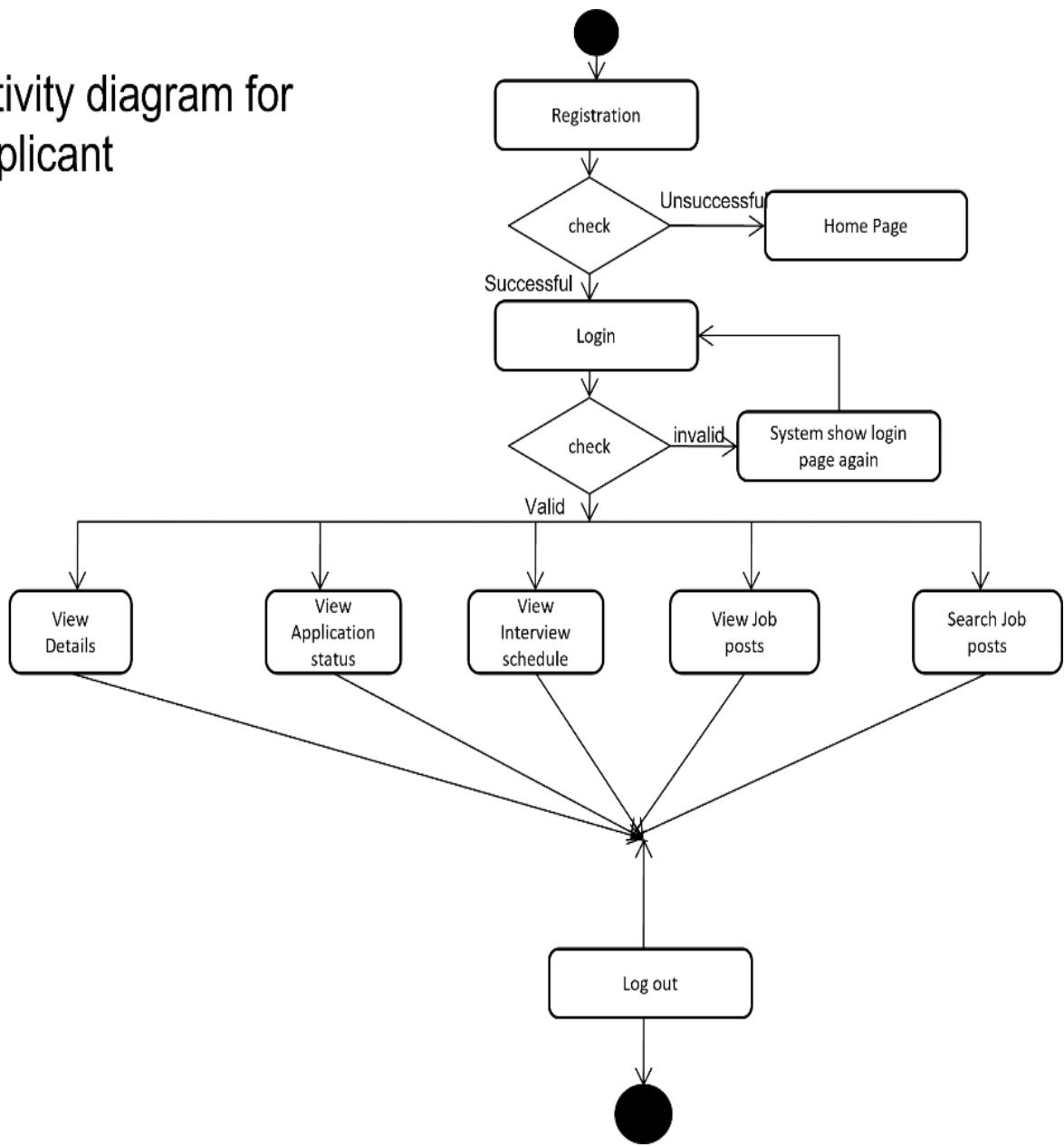


Figure 4 : Applicant Activity diagram

Activity diagram for admin

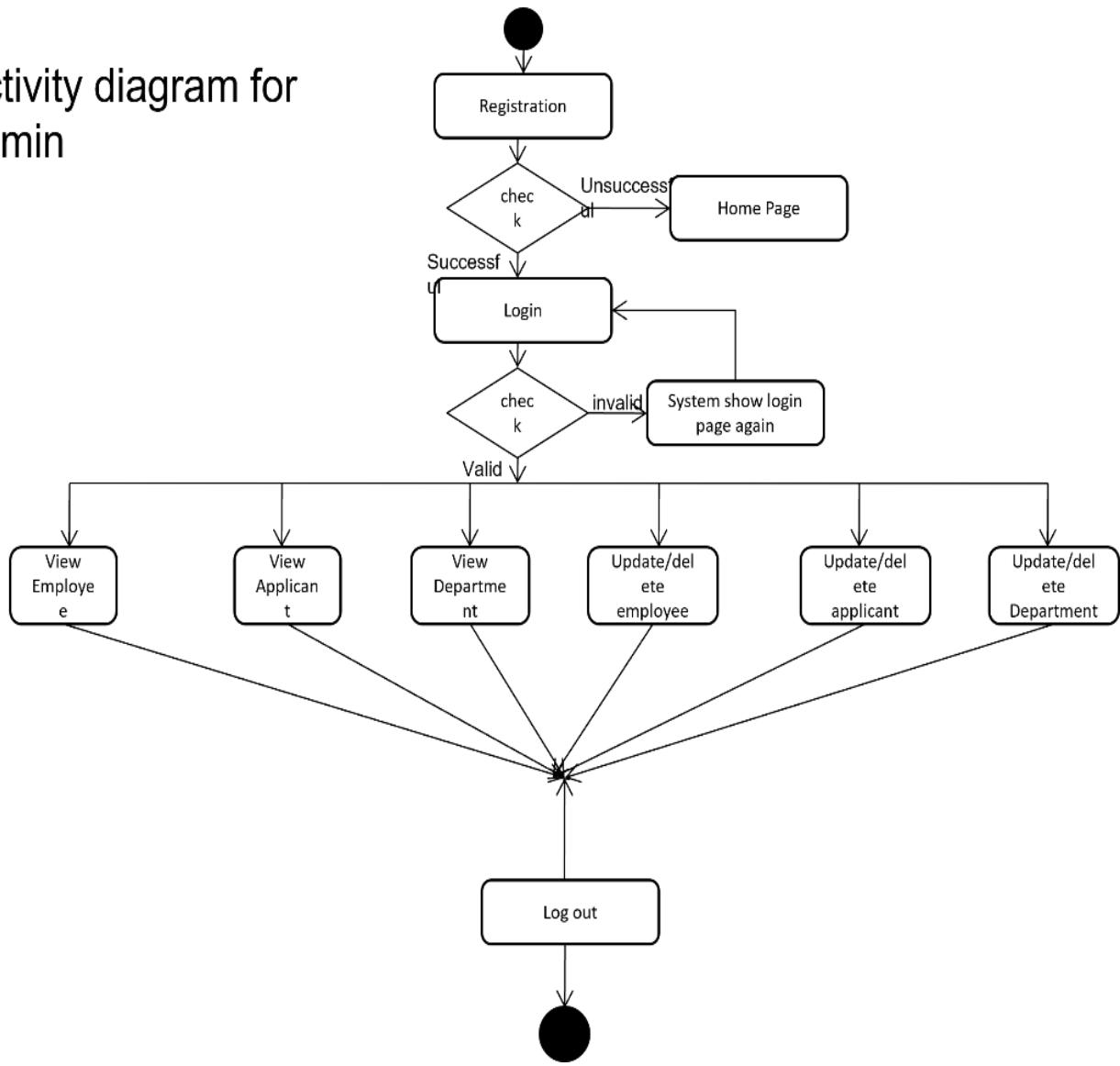


Figure 5 : Admin Activity diagram

Activity diagram for Employee

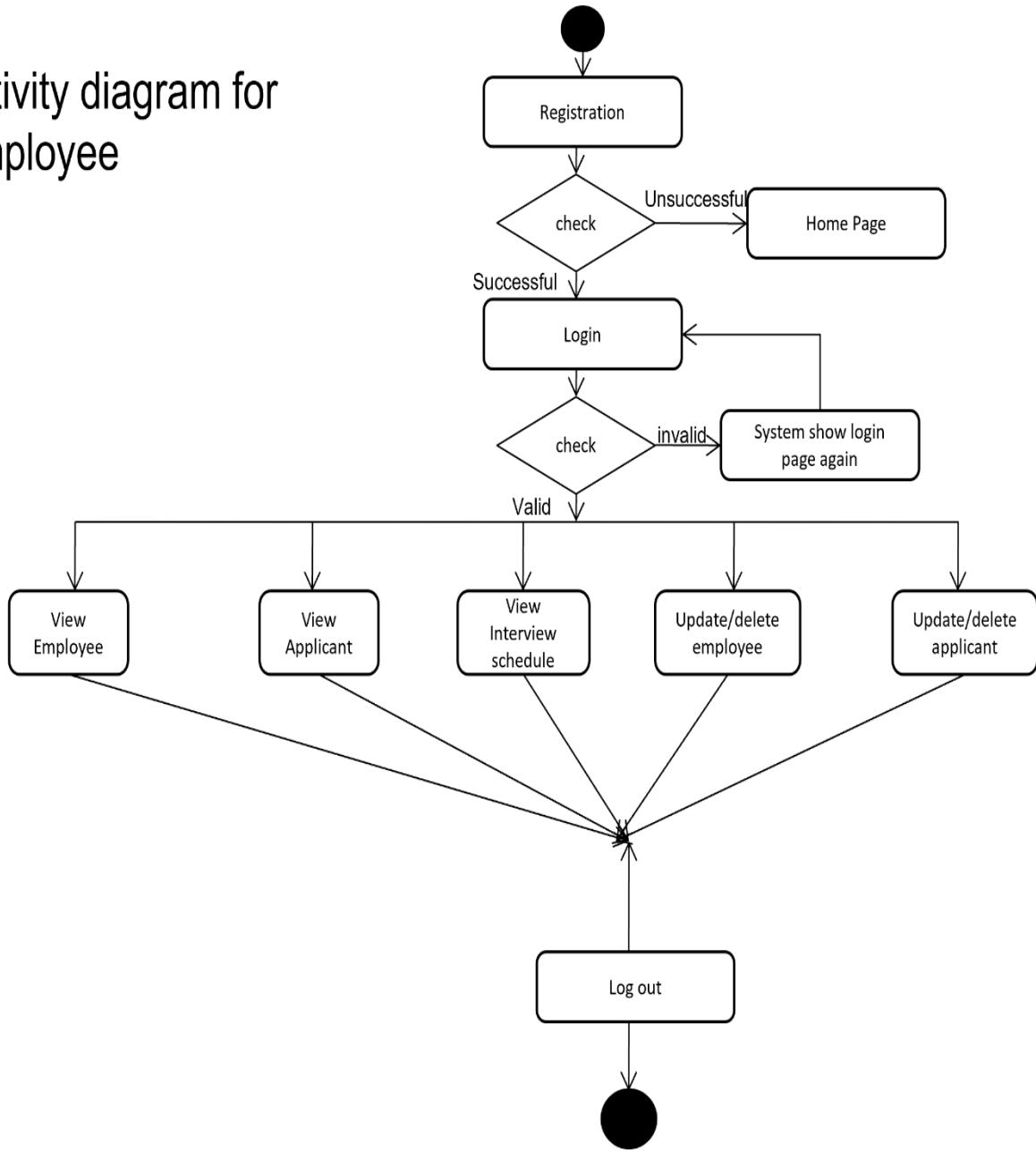


Figure 6 : Employee Activity diagram

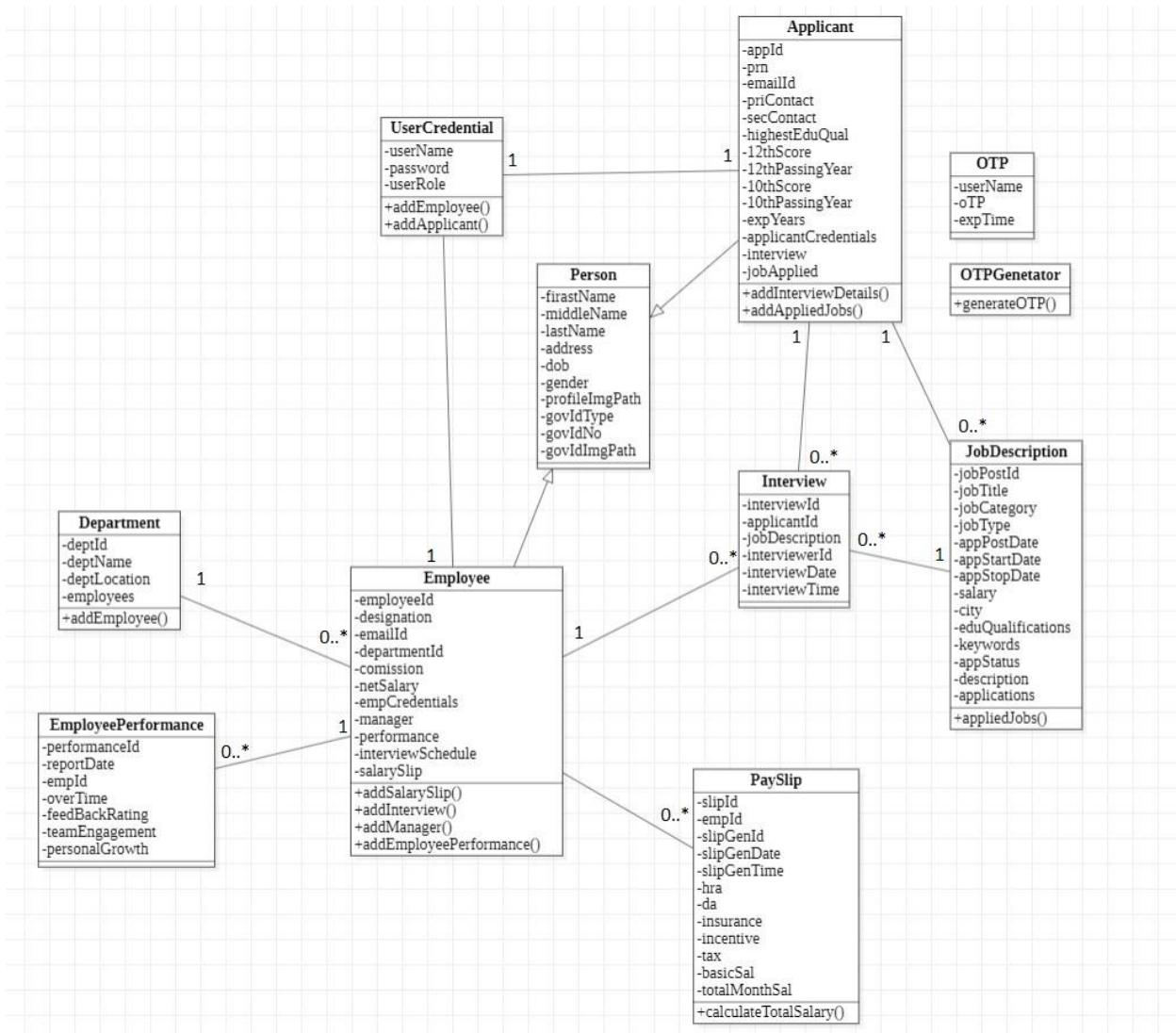


Figure 7 : Class diagram

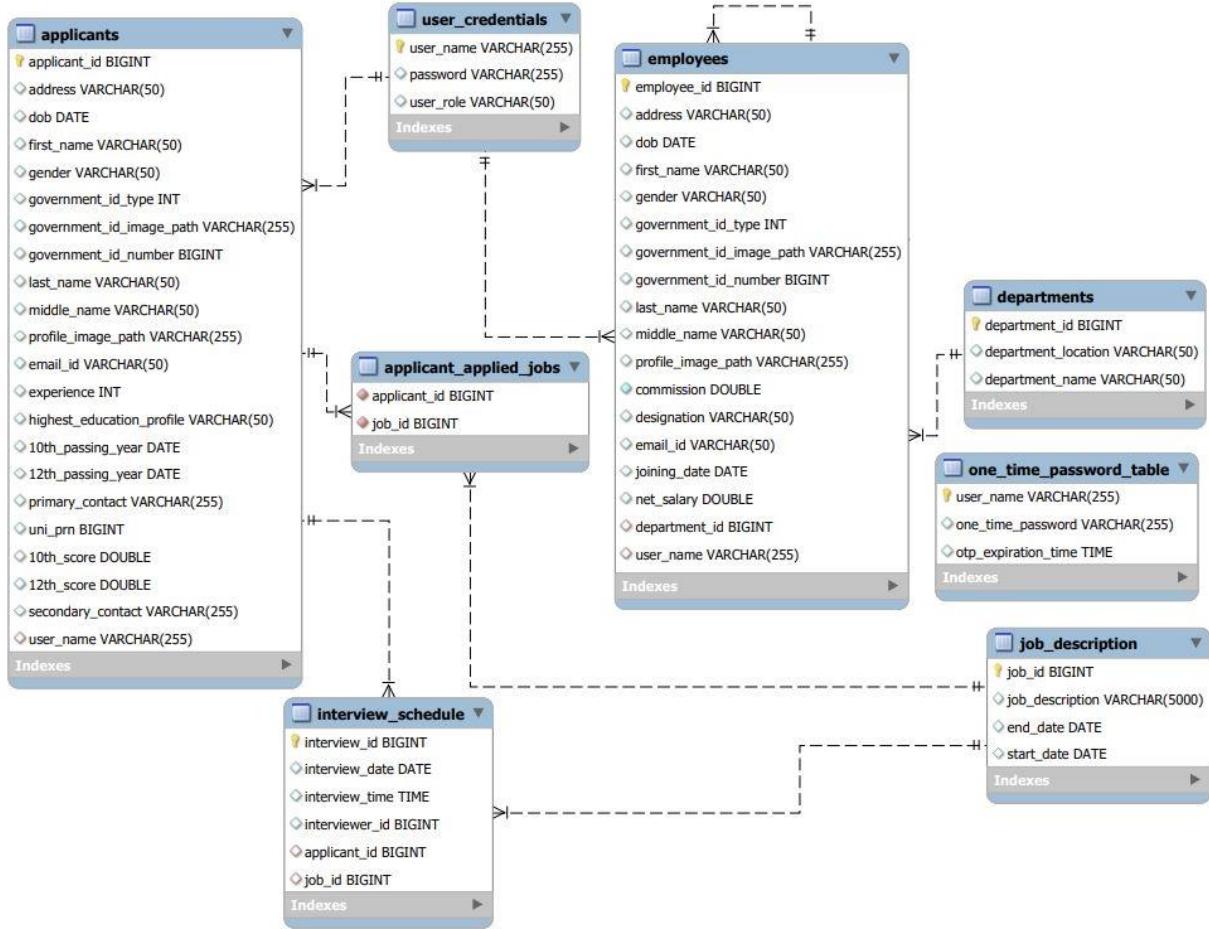


Figure 7 : MySql Workbench Generated Er diagram

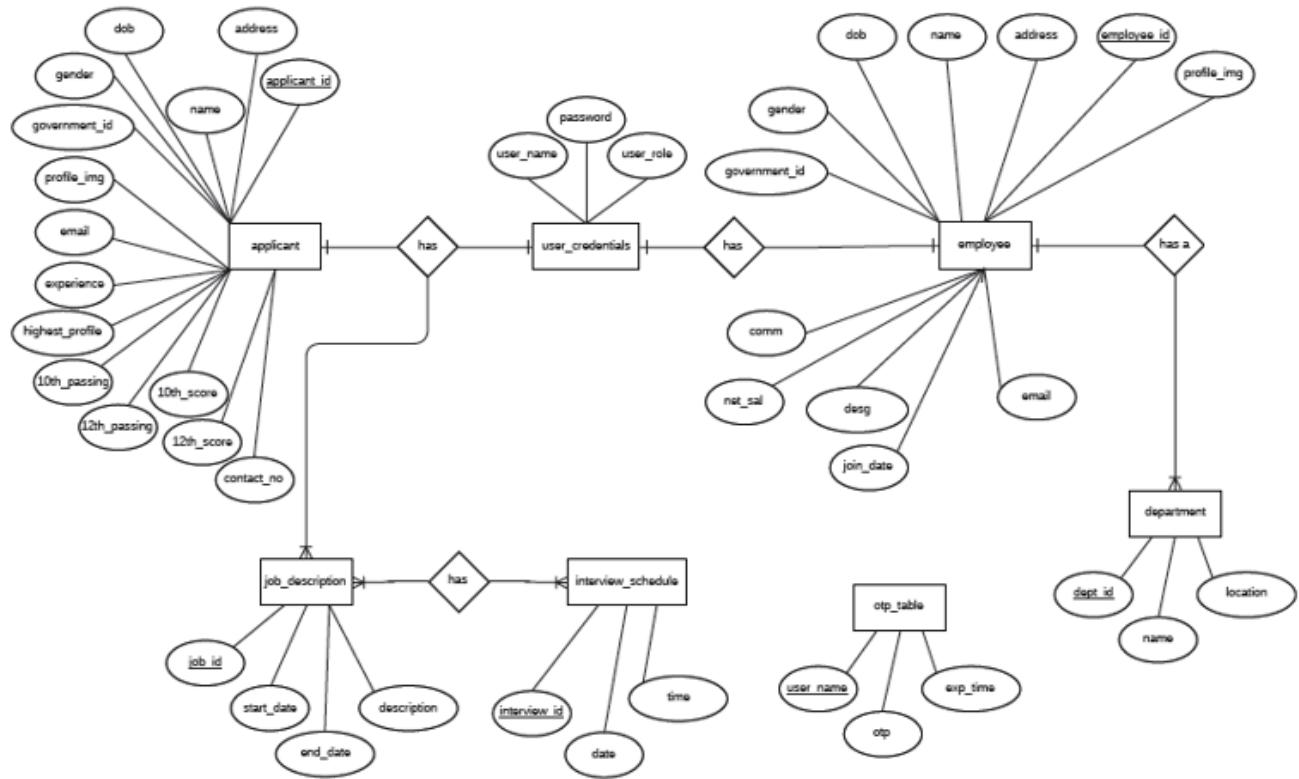


Figure 7 : Er diagram

1.5. Table Structure

1. User_Credentials

Field	Type	Null	Key	Default	Extra
user_name	varchar(255)	NO	PRI	NULL	
password	varchar(255)	YES		NULL	
user_role	varchar(50)	YES		NULL	

2. Applicants

Field	Type	Null	Key	Default	Extra
applicant_id	bigint	NO	PRI	NULL	
address	varchar(50)	YES		NULL	
dob	date	YES		NULL	
first_name	varchar(50)	YES		NULL	
gender	varchar(50)	YES		NULL	
government_id_type	varchar(255)	YES		NULL	
government_id_image_path	varchar(255)	YES		NULL	
government_id_number	bigint	YES		NULL	
last_name	varchar(50)	YES		NULL	
middle_name	varchar(50)	YES		NULL	
profile_image_path	varchar(255)	YES		NULL	
email_id	varchar(50)	YES		NULL	
experience	int	YES		NULL	
highest_education_profile	varchar(50)	YES		NULL	
10th_passing_year	date	YES		NULL	
12th_passing_year	date	YES		NULL	
primary_contact	varchar(255)	YES		NULL	
uni_prn	bigint	YES		NULL	
profile_status	varchar(20)	YES		NULL	
resume_path	varchar(255)	YES		NULL	
10th_score	double	YES		NULL	
12th_score	double	YES		NULL	
secondary_contact	varchar(255)	YES		NULL	
user_name	varchar(255)	YES	MUL	NULL	

3. Employee

Field	Type	Null	Key	Default	Extra
employee_id	bigint	NO	PRI	NULL	
address	varchar(50)	YES		NULL	
dob	date	YES		NULL	
first_name	varchar(50)	YES		NULL	
gender	varchar(50)	YES		NULL	
government_id_type	varchar(255)	YES		NULL	
government_id_image_path	varchar(255)	YES		NULL	
government_id_number	bigint	YES		NULL	
last_name	varchar(50)	YES		NULL	
middle_name	varchar(50)	YES		NULL	
profile_image_path	varchar(255)	YES		NULL	
commission	double	NO		NULL	
designation	varchar(50)	YES		NULL	
email_id	varchar(50)	YES		NULL	
joining_date	date	YES		NULL	
net_salary	double	YES		NULL	
department_id	bigint	YES	MUL	NULL	
user_name	varchar(255)	YES	MUL	NULL	

4. Departments

Field	Type	Null	Key	Default	Extra
department_id	bigint	NO	PRI	NULL	
department_location	varchar(50)	YES		NULL	
department_name	varchar(50)	YES		NULL	

5. Applicant_applied_jobs

Field	Type	Null	Key	Default	Extra
applicant_id	bigint	NO	MUL	NULL	
job_id	bigint	NO	MUL	NULL	

6. Scheduled Interview

Field	Type	Null	Key	Default	Extra
interview_id	bigint	NO	PRI	NULL	
interview_date	date	YES		NULL	
interview_time	time	YES		NULL	
applicant_id	bigint	YES	MUL	NULL	
interviewer_id	bigint	YES	MUL	NULL	
job_id	bigint	YES	MUL	NULL	
interview_status	varchar(255)	YES		NULL	

7. Job Post

Field	Type	Null	Key	Default	Extra
job_post_id	bigint	NO	PRI	NULL	
post_date	date	YES		NULL	
start_date	date	YES		NULL	
app_status	varchar(255)	YES		NULL	
close_date	date	YES		NULL	
applications_recieved	int	YES		NULL	
job_location	varchar(255)	YES		NULL	
job_desc	varchar(255)	YES		NULL	
qualification	varchar(255)	YES		NULL	
job_category	varchar(255)	YES		NULL	
job_title	varchar(255)	YES		NULL	
job_type	varchar(255)	YES		NULL	
keywords	varchar(255)	YES		NULL	
ctc	double	YES		NULL	

8. One Time Password

Field	Type	Null	Key	Default	Extra
user_name	varchar(255)	NO	PRI	NULL	
one_time_password	varchar(255)	YES		NULL	
otp_expiration_time	time	YES		NULL	

System Analysis

System analysis is the process of gathering and interpreting facts, diagnosing problems, and using the information to recommend improvements on the system. System analysis is a problem-solving activity that requires intensive communication between the system users and system developers.

System analysis or study is an important phase of any system development process. The system is viewed as a whole, the inputs are identified, and the system is subjected to close study to identify the problem areas. The solutions are given as a proposal. The proposal is reviewed on user request and suitable changes are made. This loop ends as soon as the user is satisfied with the proposal.

2.1. Existing System

The current system for managing the resources in the companies is manually and it is difficult to manage the resources manually and maintain the manual reports.

- It is less user friendly.
- Employee need to go to the company office and manage the resources.
- It is difficult to manage the resources.
- It is a time consuming process.

2.2. Proposed System

In the proposed system employee need not to go to the company office for managing the resources. The company owner will be the admin of the system. Admin can appoint the applicants as well as manage all the resources in the company. It will help company in managing the resources of the company.

2.3. System Requirement Specification

2.3.1.General Description

Product description :

The system consists of two parts. A web application which can provide the online enterprise resource planning service for the employee of the company to access the web service from his Smartphone/System. Web application should be able to help the employee for managing the resources of the company.

Problem statement

It relies on time-consuming and error-prone manual processes. This can lead to inefficiencies and inaccuracies in managing critical business processes such as resource management. These systems may also lack the ability to generate real-time reports, which can limit an enterprise's ability to make informed decisions in a timely manner. Finally, manual ERP systems may be difficult to scale as the enterprise grows, leading to additional complexities and inefficiencies.

2.3.2. System Objectives

The primary objective of Business Suite is to connect talented people through recruitment portal of the business suite. To use transformation strategy to modernize and integrate business processes and systems. This platform is to empower staff and applicants to access information and provide service through an initiative and integrated interface. Business Suite is intended to provide software solution for the organization to manage the resources like employees and applicants. through a single Gateway using internet.

Functional Requirement :

Applicant Login

- Applicant will register to the career portal and will provide email and other credentials to confirm the registration process.
- Email will be sent to the user along with OTP for email verification.
- Password will be encrypted and stored in the database.
- Applicant will have access to Job Profiles without login or signup and to submit the form applicant will have to either sign up or login to the career portal.

Profile Creation

- After all the data is submitted during applying for job a profile is created for the applicant.
- Personal data of user will be encrypted and stored in the database.

- User will get a verification email if he/she is changing the password of the profile to allow the change of password.

Applicant Dashboard

- He/She will be able to view the status of his job application status and list of all job applied jobs and result of previous applied job.
- FAQ Section will also be provided for basic questions of the applicant.

Interview

- After a applicant is shortlisted for the interview he/she will get a meeting id or a join button in the dashboard along with the time and date of the interview.

Employee Login

- User Name and password will be provided to the registered email id after confirmed offer letter sent to the respective applicant.
- After login he/she will be able to change the password of the profile.

Employee Dashboard

- Employee will be provided with the dashboard which will be having the features as per the authorization given to their particular role.

Non-Functional Requirements:

Security :

Each stakeholder will be able to access the system through authentication process. System will provide access to the content, operations using role based security (Authorization). Using SSL in the transactions which will be performed by the stakeholder.

System will protect confidential information shared by the system to the stake holder. System will lock the account of the stakeholder whose resignation is approved after the completion of the notice period. System will block operations of the inactive stake holder and redirect it for authorization. System will maintain a secure internal communication channel between the servers. Sensitive data will be encrypted across the communication.

Reliability :

- The system backup business data on regular basis and recover in short period of time duration to keep the system operational and continuous updates are maintained.

Maintainability :

- A commercial database software will be used to maintain system data persistence.
- A ready made web server will be installed to host the ERP portal to management server capabilities.
- Separate environment will be maintained for the system for isolations in the production, testing and development.

Accessibility :

- Only authorized personal will be able to login after authentication.

Durability :

- System will implement backup and recovery retaining stake holders data, business operation data and business data overtime.

Efficiency :

- On year end, maximum number of actions will be performed and system will be able to manage all those actions with isolation.

Modularity :

- System will be designed and developed using reusable, independent or dependent business scenarios in the form of modules. These modules will be loosely coupled and highly cohesive. System will contain payment processing and Roles management modules.

Scalability :

- System will be able to provide consistent user experience to stake holder as well as visitors irrespective of load.

Safety :

- Business Suite portal will be secure from malicious attacks.
- Business Suite portal functionalities will be protected with proper firewall configuration.
- Business Suite portal will be always kept updated with antivirus software.
- Business data will be backed up periodically to ensure safety of data using incremental backup strategy.
- Role based security will be applied for application data and operation accessibility.

System Design

System design is the solution for the creation of a new system. This phase focuses on the detailed implementation of the feasible system. Its emphasis on translating design. Specifications to performance specification. System design has two phases of development.

- Logical Design
- Physical Design

During logical design phase the analyst describes inputs (sources), outputs(destinations), databases (data stores) and procedures (data flows) all in a format that meets the user requirements. The analyst also specifies the needs of the user at a level that virtually determines the information flow in and out of the system and the data resources. Here the logical design is done through data flow diagrams and database design. The physical design is followed by physical design or coding. Physical design produces the working system by defining the design specifications, which specify exactly what the candidate system must do. The programmers write the necessary programs that accept input from the user, perform necessary processing on accepted data and produce the required report on a hard copy or display it on the screen.

3.1. Input and Output Design

3.1.1. Input Design

Input design is the link that ties the information system into the world of its users. The input design involves determining the inputs, validating the data, minimizing the data entry and provides a multi-user facility. Inaccurate inputs are the most common cause of errors in data processing. Errors entered by the data entry operators can be controlled by input design. The user-originated inputs are converted to a computer-based format in the input design. Input data are collected and organized into groups of similar data. Once identified, the appropriate input media are selected for processing. All the input data are validated and if any data violates any conditions, the user is warned by a message. If the data satisfies all the conditions, it is transferred to the appropriate tables in the database. In this project the student details are to be entered at the time of registration. A page is designed for this purpose which is user friendly and easy to use. The design is done such that users get appropriate messages when exceptions occur.

3.1.2. Output Design

Computer output is the most important and direct source of information to the user. Output design is a very important phase since the output needs to be in an efficient manner. Efficient and intelligible output design improves the system relationship with the user and helps in decision making. Allowing the user to view the sample screen is important because the user is the ultimate judge of the quality of output. The output module of this system is the selected notifications.

Database Design

3.2. Database

Databases are the storehouses of data used in the software systems. The data is stored in tables inside the database. Several tables are created for the manipulation of the data for the system. Two essential settings for a database are

- Primary key - the field that is unique for all the record occurrences
- Foreign key - the field used to set relation between tables.

Normalization is a technique to avoid redundancy in the tables.

3.3. System Tools

The various system tools that have been used in developing both the front end and the back end of the project are being discussed in this chapter.

3.3.1. Front End

React is a library which is developed by Facebook are utilized to implement the frontend. React (also known as React.js or ReactJS) is a free and open-source front-end JavaScript library for building user interfaces or UI components. It is maintained by Facebook and a community of individual developers and companies. React can be used as a base in the development of single page or mobile applications. However, React is only concerned with state management and rendering that state to the DOM, so creating React applications usually requires the use of additional libraries for routing, as well as certain client-side functionality.

3.3.2. Backend

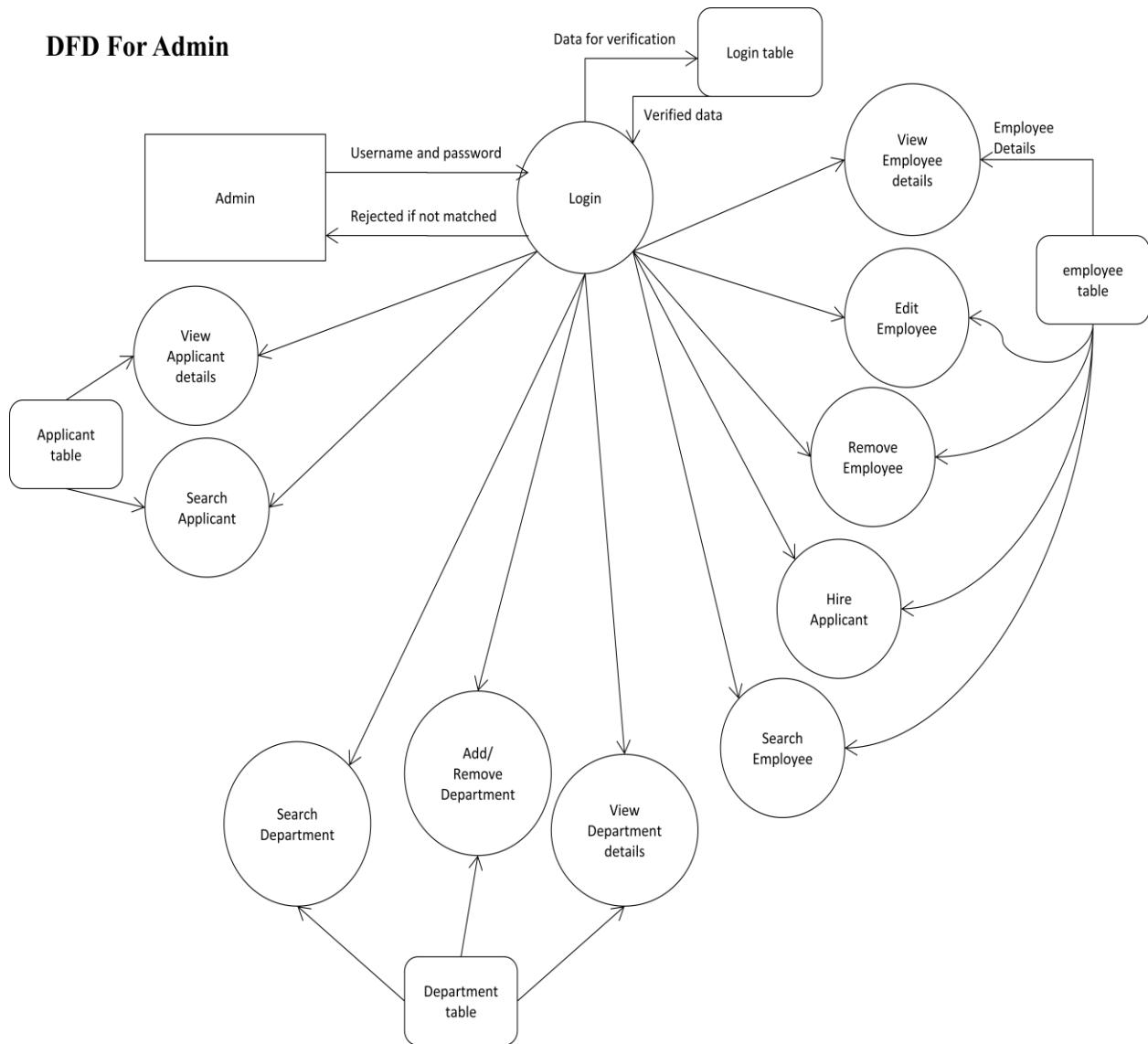
The back end is implemented using MySQL which is used to design databases.

MySQL :

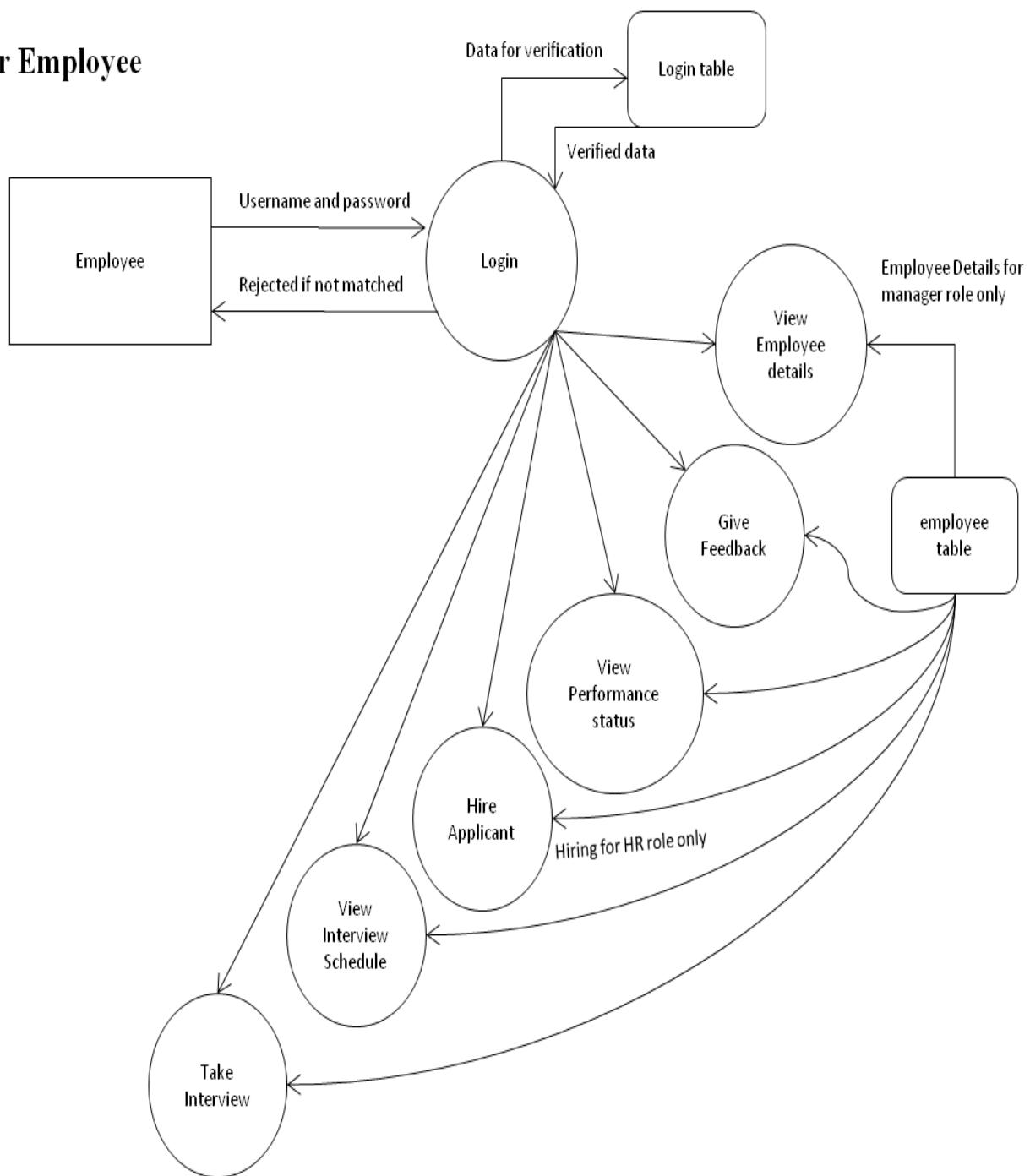
MySQL is the world's second most widely used open-source relational database management system (RDBMS). The SQL phrase stands for Structured Query Language. An application software called Navicert was used to design the tables in MySQL.

Spring-Boot :

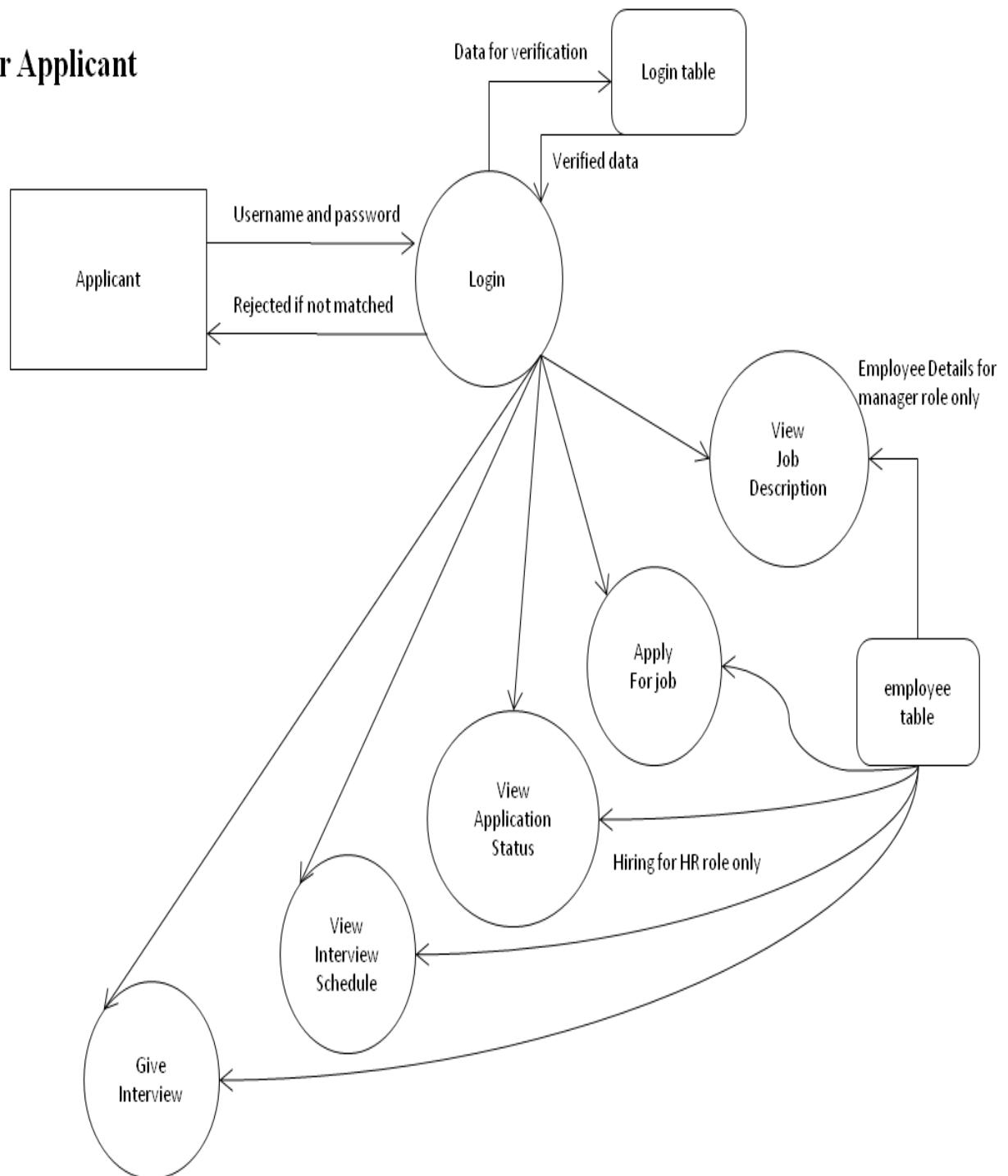
This is used to connect MYSQL and fetch data from database and store the data in database. The Spring Framework is an application framework and inversion of control container for the Java platform. The framework's core features can be used by any Java application, but there are extensions for building web applications on top of the Java EE (Enterprise Edition) platform. Although the framework does not impose any specific programming model, it has become popular in the Java community as an addition to the Enterprise JavaBeans (EJB) model. The Spring Framework is Open-source Framework.



DFD For Employee

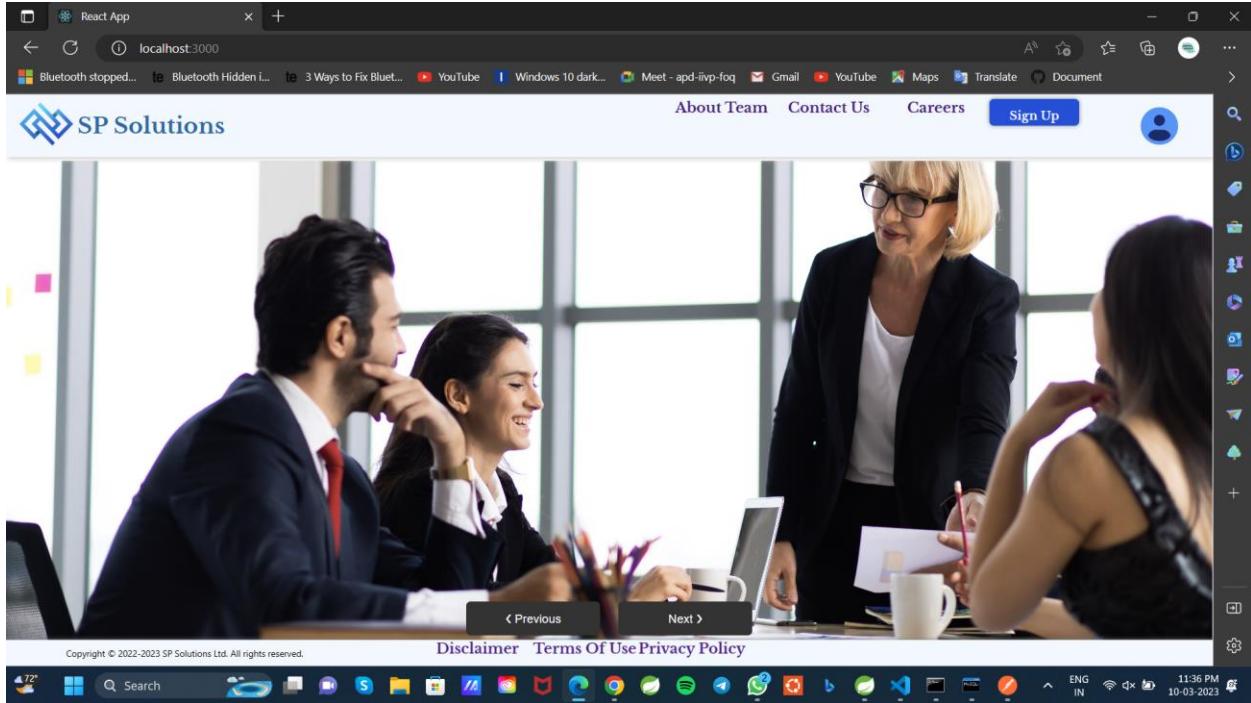


DFD For Applicant

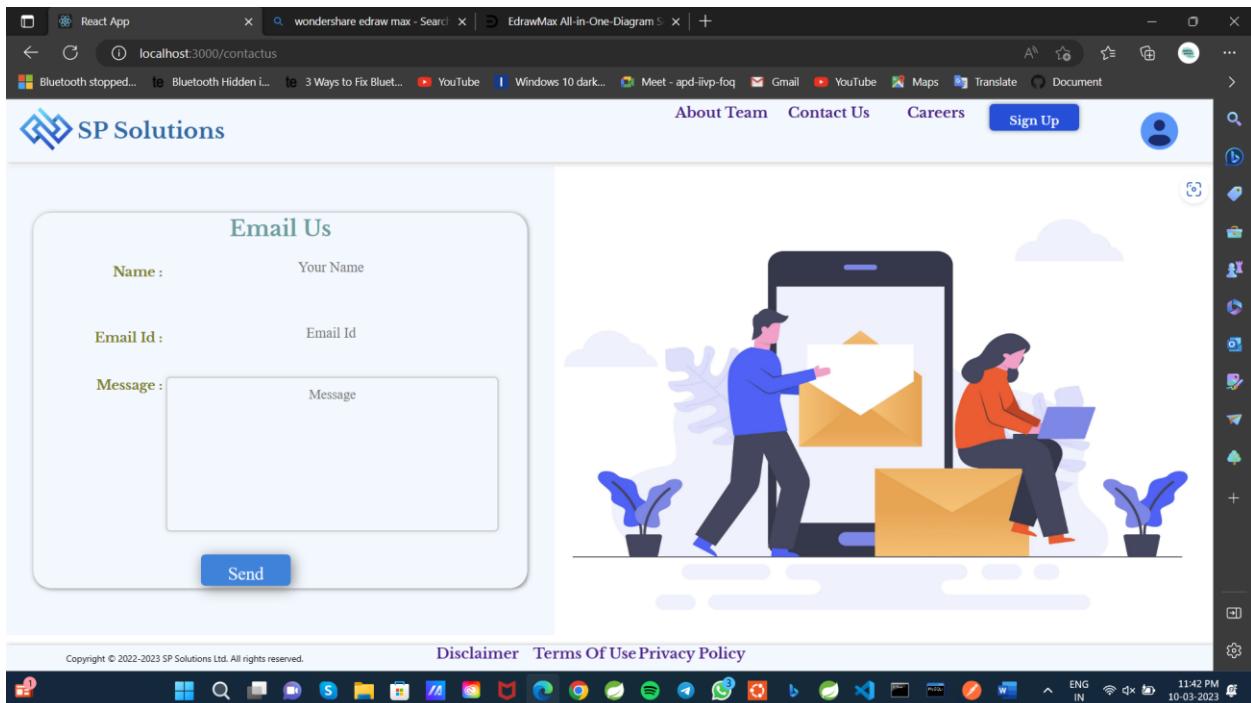


Application Screenshots:

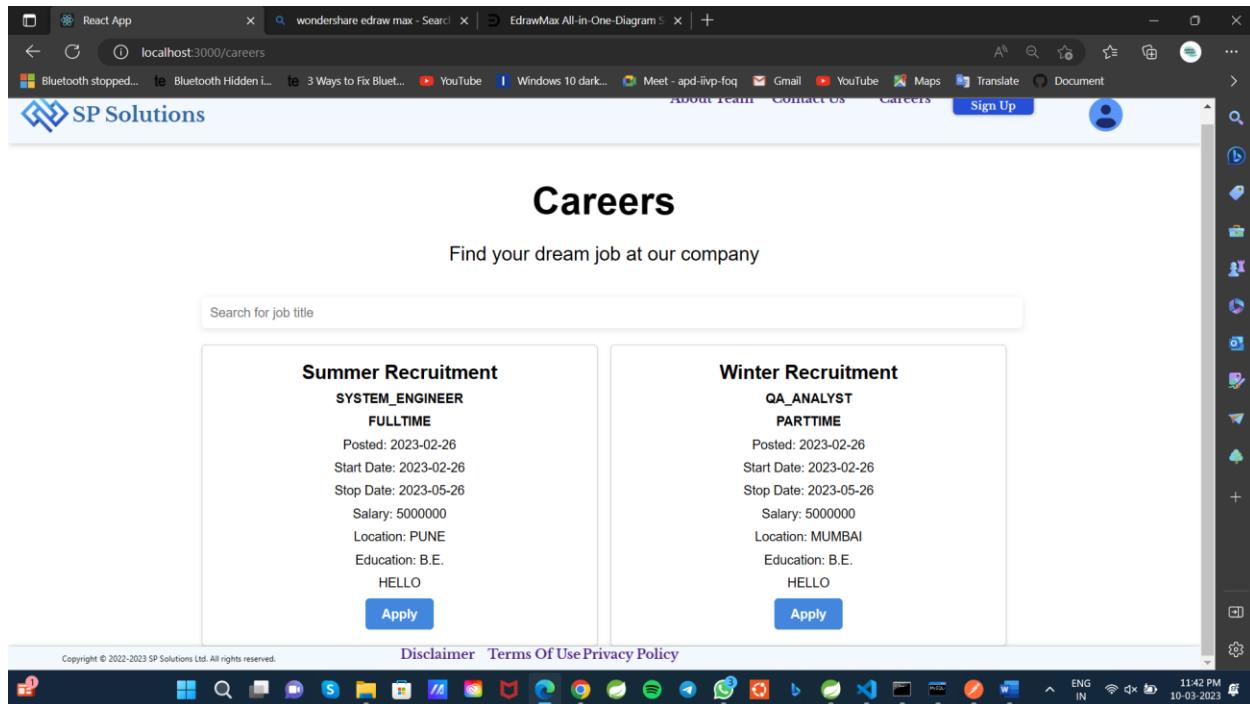
1. Home Page



2. Contact Us Page



3. Careers Page

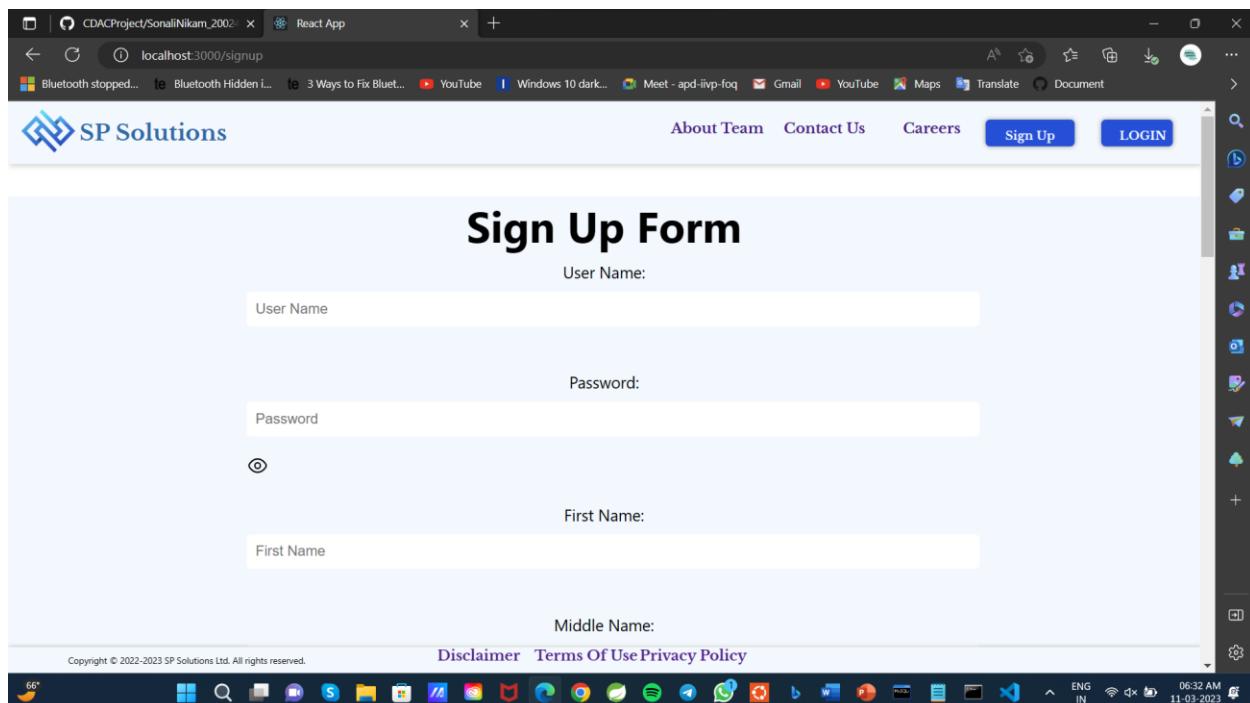


The screenshot shows a web browser window with the URL localhost:3000/careers. The page title is "Careers". Below it is a sub-header "Find your dream job at our company". A search bar says "Search for job title". Two job listings are displayed in boxes:

- Summer Recruitment**
SYSTEM_ENGINEER
FULLTIME
Posted: 2023-02-26
Start Date: 2023-02-26
Stop Date: 2023-05-26
Salary: 5000000
Location: PUNE
Education: B.E.
HELLO
[Apply](#)
- Winter Recruitment**
QA_ANALYST
PARTTIME
Posted: 2023-02-26
Start Date: 2023-02-26
Stop Date: 2023-05-26
Salary: 5000000
Location: MUMBAI
Education: B.E.
HELLO
[Apply](#)

At the bottom, there are links for "Disclaimer", "Terms Of Use", and "Privacy Policy". The browser status bar shows the date as 10-03-2023 and the time as 11:42 PM.

4. Sign Up Page



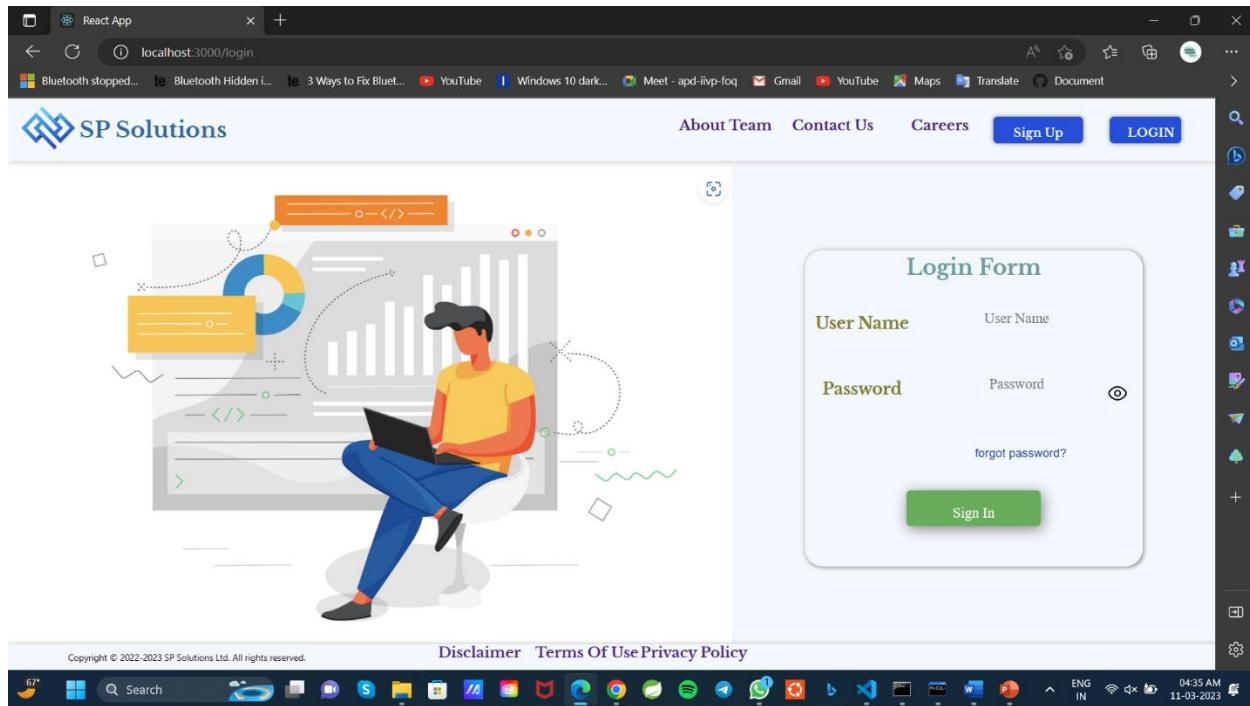
The screenshot shows a web browser window with the URL localhost:3000/signup. The page title is "Sign Up Form". It has fields for "User Name", "Password", "First Name", and "Middle Name". Below the form are links for "Disclaimer", "Terms Of Use", and "Privacy Policy". The browser status bar shows the date as 11-03-2023 and the time as 06:32 AM.

Form fields:

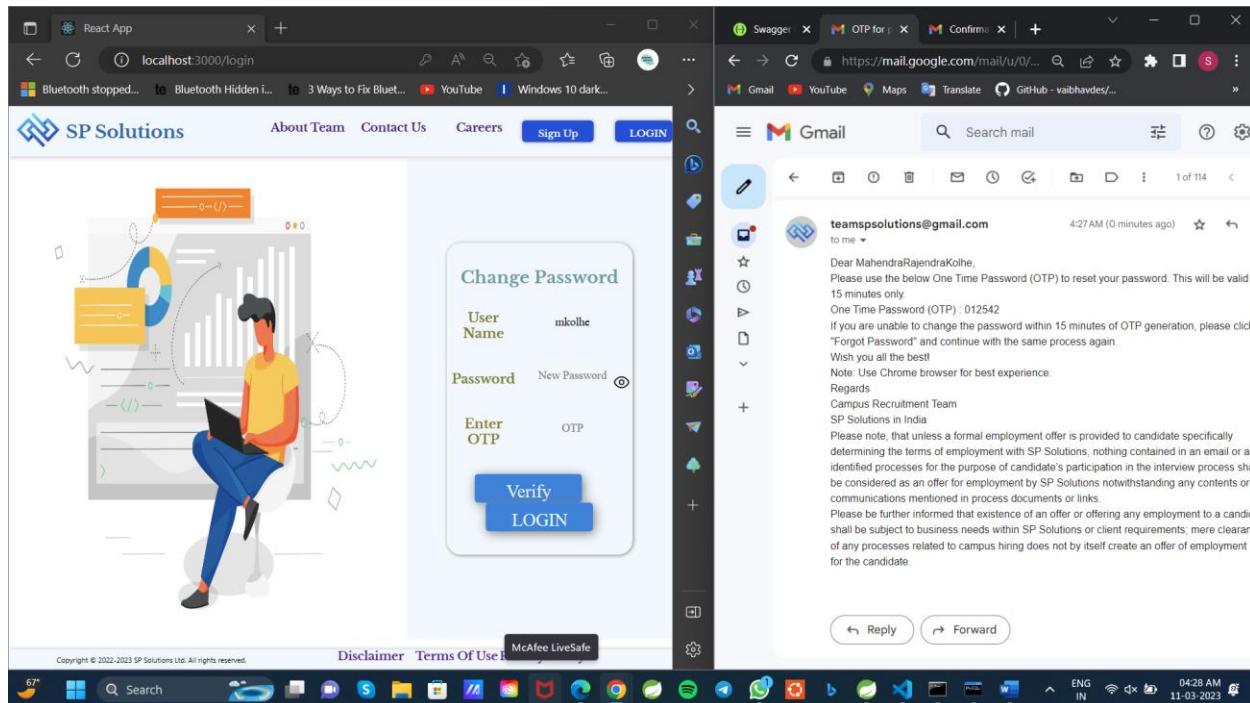
- User Name:
- Password: [@](#)
- First Name:
- Middle Name:

Bottom links: [Disclaimer](#) [Terms Of Use](#) [Privacy Policy](#)

5. Login Page



6. OTP Received After Forgot Password



7. Admin DashBoard

The screenshot shows the Admin Dashboard interface. On the left, there is a sidebar with buttons for Analytics, Profile, Employee List, Applicant List, and Create Job Post. The main area displays two charts: a line chart titled 'Website Visited' and a bar chart titled 'Applications Received'. The line chart shows website visits from March 5 to March 10, with values ranging from 80 to 260. The bar chart shows two applications received, both labeled '1001' and '1002', with a value of 1.0 each.

8. Admin Profile Page

The screenshot shows the Admin Profile Page for Swapnil Kisan Gadave. The profile picture is displayed, and the user's name is listed as Swapnil Kisan Gadave. Below the name, the Applicant ID is given as 412218000. The page also lists the following details:
Address: Pune
DOB: 2023-04-15
Gender: MALE
Gov ID Type: Aadhar
Government ID Number: 1111111111
Designation: Admin
Email ID: sgadave1899@gmail.com
A green 'Edit' button is located at the bottom right of the profile section.

9. Profile Update Page

The screenshot shows a web browser window with the URL localhost:3000/dashboard. The page title is "React App". The main content area is titled "Update Profile". It features a circular profile picture of a man with a beard. Below the picture, there are input fields for "First Name" (Kisan), "Middle Name" (Mahadeo), and "Last Name". To the left of the form is a sidebar with buttons for "Analytics", "Profile", "Employee List", "Applicant List", and "Create Job Post". At the top right, there are links for "About Team", "Contact Us", "Careers", and "Sign Up". A vertical sidebar on the right contains icons for various applications. The bottom of the screen shows a taskbar with several pinned icons and the system tray.

10. After updating Profile Page

The screenshot shows the same web browser window after profile updates. The main content area now displays the updated profile information for "Kisan Mahadeo Gadave". The details shown are: **Applicant ID:** 412218000, **Address:** Pune, **DOB:** 2023-04-15, **Gender:** MALE, **Gov ID Type:** AADHAR, **Government ID Number:** 1111111111, **Designation:** Admin, and **Email ID:** sgadave1899@gmail.com. There is also an "Edit" button at the bottom of the profile card. The sidebar and taskbar remain the same as in the previous screenshot.

11.Employee List Page

The screenshot shows a dashboard for SP Solutions. On the left, there is a sidebar with buttons for Analytics, Profile, Employee List (which is selected), Applicant List, and Create Job Post. The main area displays three employee profiles in a grid:

Employee Name	Employee ID	Role	Email
Swapnil Gadave	412218000	Admin	sgadave1899@gmail.com
Prathamesh Saraf	412218001	Admin	abcd@gmail.com
Nachiket Patil	412218002	HR	abcd@gmail.com

Each profile includes an edit and delete button. Below the grid, there are three more placeholder circular images.

12.Applicant List Page

The screenshot shows a dashboard for SP Solutions. On the left, there is a sidebar with buttons for Analytics, Profile, Employee List, Applicant List (which is selected), and Create Job Post. The main area displays three applicant profiles in a grid:

Applicant Name	Applicant ID	Location	Email
Saurabh Dabhade	412291002	Pune	sdabhade@gmail.com
Sumit Mali	412291003	Pune	sdabhade@gmail.com
Abhijeet Gaikwad	412291004	Pune	abhijeet@gmail.com

Each profile includes an edit and delete button. Below the grid, there are three more placeholder circular images.

13.Creating Job Post Page

The screenshot shows the SP Solutions dashboard with a sidebar on the left containing buttons for Analytics, Profile, Employee List, Applicant List, and Create Job Post. The main content area displays the 'Job Application Form' with fields for Job Title, Job Category (dropdown menu), Job Type (dropdown menu), and Application Post Date. A sidebar on the right contains various icons. The bottom navigation bar includes links for Disclaimer, Terms Of Use, Privacy Policy, and social media sharing options.

Job Application Form

Job Title:

Job Category:

-- Select Job Category --

Job Type:

Full-time

Application Post Date:

Disclaimer Terms Of Use Privacy Policy

The screenshot shows the SP Solutions dashboard with a sidebar on the left containing buttons for Analytics, Profile, Employee List, Applicant List, and Create Job Post. The main content area displays the 'Job Application Form' with fields for Application Status (dropdown menu set to 'Inactive'), Job Description (text area), and a green 'Submit' button. A sidebar on the right contains various icons. The bottom navigation bar includes links for Disclaimer, Terms Of Use, Privacy Policy, and social media sharing options.

Application Status:

Inactive

Job Description:

Submit

Disclaimer Terms Of Use Privacy Policy

14.HR DashBoard

The screenshot shows a web browser window with the URL localhost:3000/dashboard. The page has a header with the SP Solutions logo and navigation links for About Team, Contact Us, Careers, and Sign Up. On the left, there is a sidebar with buttons for Home, Profile, Schedule Interview, Create Job Post, Applicants, and View Resume. The main content area displays a circular profile picture of a man named Nachiket Chandrabhanu Patil. Below the picture, his details are listed: Applicant ID: 412218002, Address: Pune, DOB: 2023-04-15, Gender: MALE, Gov ID Type: PANCARD, Government ID Number: 1111111111, Designation: HR, and Email ID: abcd@gmail.com. There is also an 'Edit' button. At the bottom of the page, there are links for Disclaimer, Terms Of Use, and Privacy Policy.

15.Schedule Job Interview Page

The screenshot shows a web browser window with the URL localhost:3000/dashboard. The page has a header with the SP Solutions logo and navigation links for About Team, Contact Us, Careers, and Sign Up. On the left, there is a sidebar with buttons for Home, Profile, Schedule Interview, Create Job Post, Applicants, and View Resume. The main content area has a title "Schedule Job Interview". It contains three dropdown menus: "Applicant Id:" with the placeholder "-----applicant-----", "Interviewer Id:" with the placeholder "-----interviewer-----", and "Interviewer Id:" with the placeholder "-----job id-----". Below these fields is a text input field for "Application Post Date:". At the bottom of the page, there are links for Disclaimer, Terms Of Use, and Privacy Policy.

The screenshot shows the SP Solutions Interviewer Dashboard. On the left, there's a sidebar with buttons for Home, Profile, Schedule Interview, Create Job Post, Applicants, and View Resume. The main area has fields for Interviewer Id (containing '-----job id-----') and Application Post Date (with a date input field 'dd-mm-yyyy' and a time input field '-- : -- : --'). A green 'Schedule' button is at the bottom right. The top navigation bar includes links for About Team, Contact Us, Careers, Sign Up, and a user profile icon. The status bar at the bottom shows system information like battery level, network, and date/time.

16.Email After Interview is Scheduled

The screenshot shows a Gmail inbox with an email from 'teamspsolutions@gmail.com'. The subject is 'Confirmation of your virtual interview slot'. The email body contains the following text:

DearMahendraRajendraKolhe,

Congratulations! You have advanced to the next stage of our hiring process. Your interview will be conducted on 2023-03-15 at 20:19.

Ensure that you login and be present at the virtual interview lobby 15 minutes prior to our interview process.

System requirements to attend the interview:

Laptop/ desktop must be enabled with webcam and microphone. Webcam should capture image clearly. Both webcam and microphone must be in switch-on mode across all assessments and interview stages of our process.
RAM & Processor: 4 GB+ RAM, i3 5th Generation 2.2 Ghz or equivalent/ higher.
Operating system: Windows 8 or 10 only.
Google Chrome browser, version 88 (upto 5 latest versions).
Stable Internet connection of 2Mbps+ enabled through broadband connection, do avoid unstable 3G/4G networks.
VPN/Proxy should be disabled.

A few things to keep in mind:

Ensure you are in a room which does not have any disturbance (background noise, people or external sounds).
Ensure you have power supply and uninterrupted data connectivity to your system – since each stage of assessments must be taken without any interval.
You will have to login with your Candidate ID (CID) or with QR code available in your admit card for attending interview.
You will be in our interview lobby till you're notified on initiating your discussions.
You will have to promptly action by acknowledging our consent and complete system check before attending the virtual interview discussions.

The status bar at the bottom shows system information like battery level, network, and date/time.

17. View Resume Page - 1

The screenshot shows a web-based application interface for managing resumes. On the left, a sidebar contains buttons for Home, Profile, Schedule Interview, Create Job Post, Applicants, and View Resume. The main area displays three resume cards:

- Saurabh Dabhadhe**
412291002
[View Resume](#)
- Sumit Mali**
412291003
[View Resume](#)
- Abhijeet Gaikwad**
412291004
[View Resume](#)

At the bottom of the page, there are links for Disclaimer, Terms Of Use, and Privacy Policy. The system status bar at the bottom right indicates the date and time as 11-03-2023 05:43 AM.

18. View Resume Page - 2

The screenshot shows a detailed view of a resume for Ignacio Fried. The sidebar on the left remains the same as in the previous screenshot. The main content area displays the following details:

IGNACIO FRIED

SKILLS

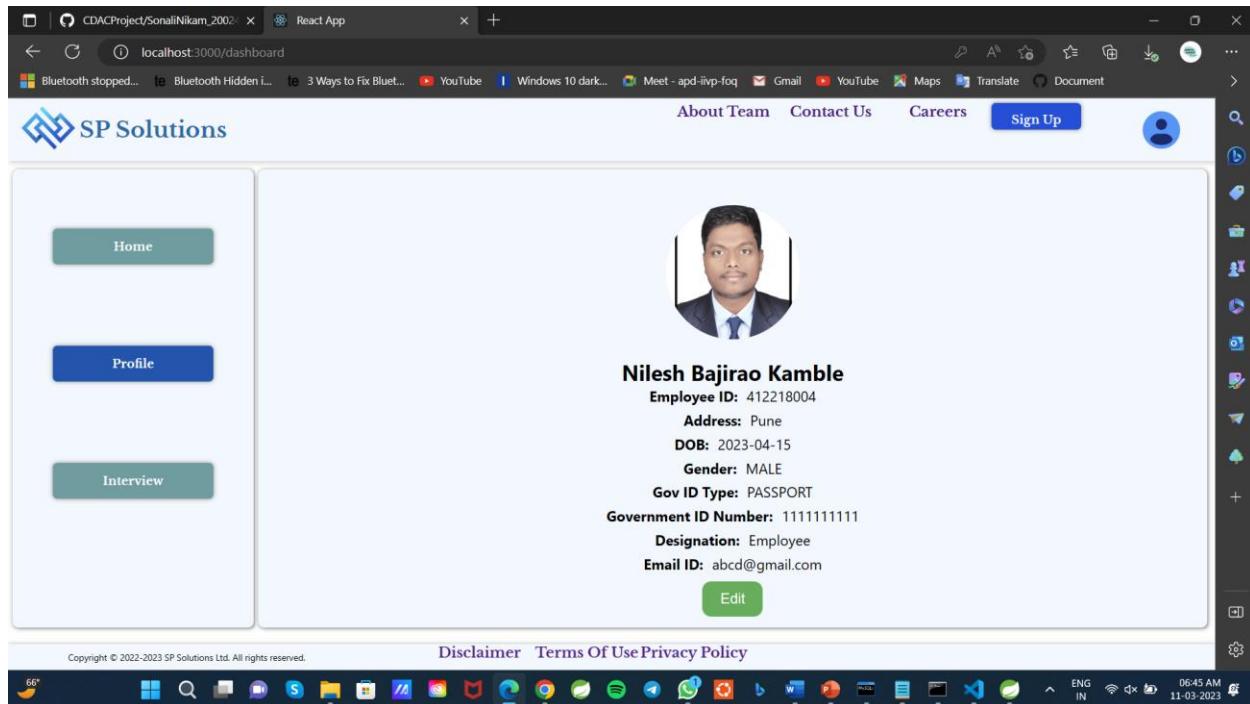
Communication	1
Sales Strategy	1
Social Media Marketing	1
Gathering And Interpreting Data	0.75
Webmaster Tools	1
Google Analytics	1
Adobe Creative Suite	0.75

WORK EXPERIENCE

MARKETING CONSULTANT
VANARSDEL LTD, SNIPTOWN, MASSACHUSETTS
SEPTEMBER 2016–PRESENT
Work with clients to craft the messaging and implement strategic positioning in their market. Assist clients with business

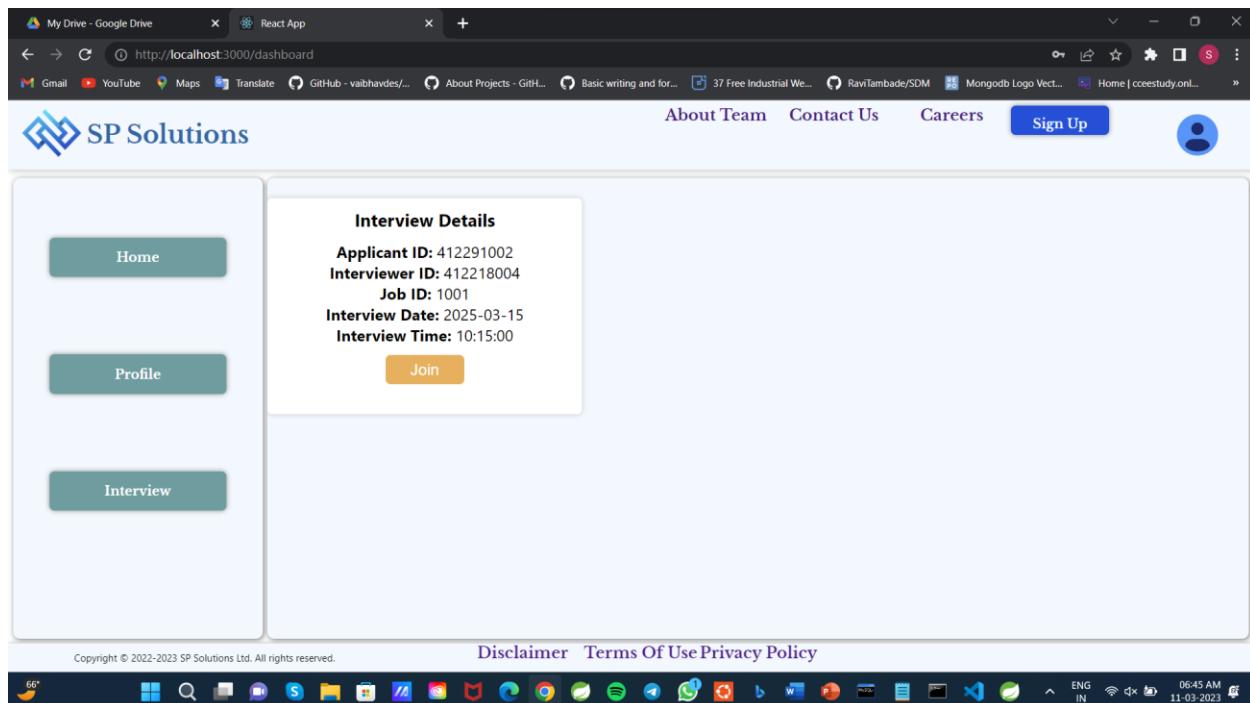
At the bottom of the page, there are links for Disclaimer, Terms Of Use, and Privacy Policy. The system status bar at the bottom right indicates the date and time as 11-03-2023 05:43 AM.

19.Employee Dashboard



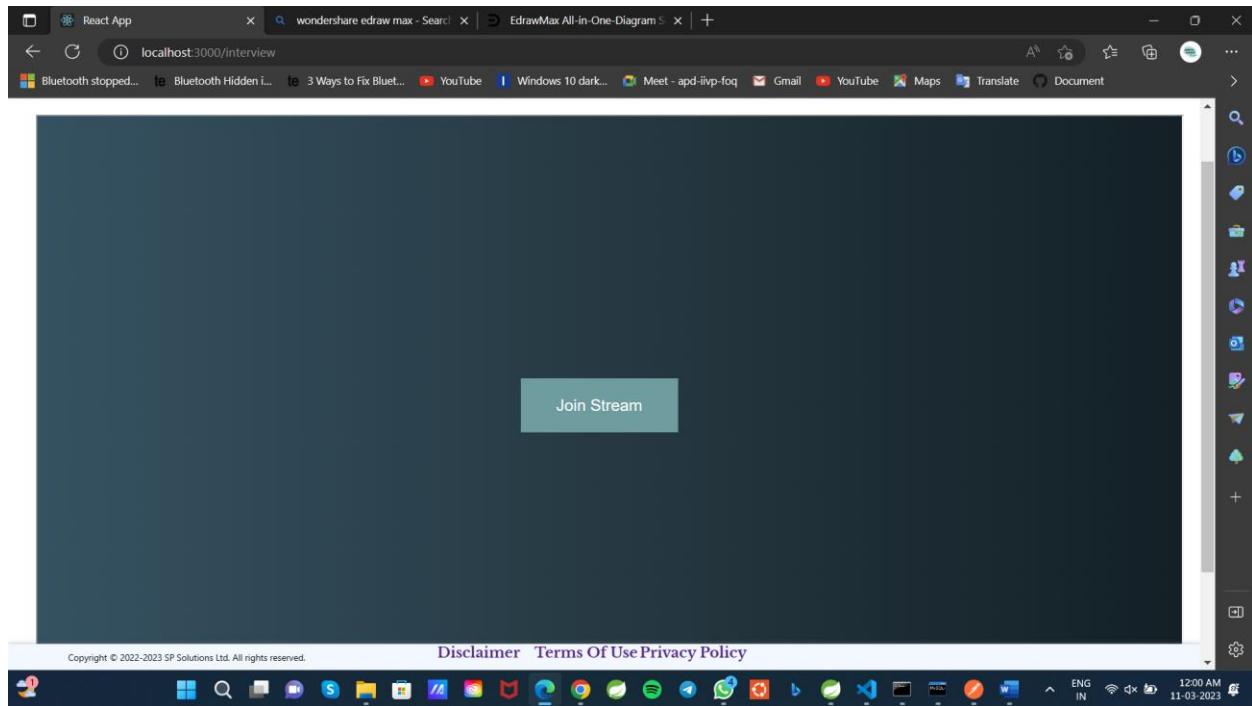
A screenshot of a web browser showing the Employee Dashboard. The URL is <http://localhost:3000/dashboard>. The page features a sidebar on the left with buttons for Home, Profile, and Interview. On the right, there is a profile section for an employee named Niles Bajirao Kamble, showing details like Employee ID: 412218004, Address: Pune, DOB: 2023-04-15, Gender: MALE, Gov ID Type: PASSPORT, Government ID Number: 1111111111, Designation: Employee, and Email ID: abcd@gmail.com. There is also an 'Edit' button. The top navigation bar includes links for About Team, Contact Us, Careers, and Sign Up. The bottom of the screen shows a Windows taskbar with various icons and system status.

20.Scheduled Interview



A screenshot of a web browser showing the Scheduled Interview page. The URL is <http://localhost:3000/dashboard>. The interface is similar to the Employee Dashboard, with a sidebar for Home, Profile, and Interview. The Interview section displays 'Interview Details' for an applicant with ID 412291002, interviewer ID 412218004, job ID 1001, interview date 2025-03-15, and interview time 10:15:00. A 'Join' button is present. The top navigation bar includes links for About Team, Contact Us, Careers, and Sign Up. The bottom of the screen shows a Windows taskbar with various icons and system status.

21. VideoConferencing Page



22. Applicant Dashboard

A screenshot of a web browser window showing an applicant dashboard. On the left, there is a sidebar with four buttons: 'Home', 'Profile', 'Interview', and 'FAQ'. The main content area features a circular profile picture of a man named Sumit Hello Mali. Below the picture, his details are listed:

Sumit Hello Mali
Applicant ID: 412291003
Address: Pune
DOB: 2023-04-15
Gender: MALE
Gov ID Type: PASSPORT
Government ID Number: 1234564789
PRN: 123456789
Email ID: sdabhad@gmail.com
Primary Contact: 1122334455

At the bottom of the screen, there is a navigation bar with links for 'Disclaimer', 'Terms Of Use', and 'Privacy Policy'. The browser's address bar shows 'localhost:3000/dashboard'. The taskbar at the bottom of the screen displays various application icons.

23.Applicant Scheduled Interviews

The screenshot shows a web browser window with three tabs open: "React App", "wondershare edraw max - Search", and "EdrawMax All-in-One-Diagram". The main content area displays the "SP Solutions" dashboard. On the left sidebar, there are four buttons: "Home", "Profile", "Interview", and "FAQ". The "Interview" button is highlighted. In the center, there are two boxes labeled "Interview Details". The left box contains the following information:

Applicant ID: 412291003
Interviewer ID: 412218005
Job ID: 1002
Interview Date: 2023-03-12
Interview Time: 10:50:00

A yellow "Join" button is located at the bottom right of this box. The right box contains similar information:

Applicant ID: 412291003
Interviewer ID: 412218005
Job ID: 1002
Interview Date: 2023-03-12
Interview Time: 10:50:00

A yellow "Join" button is located at the bottom right of this box. At the bottom of the dashboard, there are links for "Disclaimer", "Terms Of Use", and "Privacy Policy". The system status bar at the bottom shows various icons and the date/time: "11:59 PM 10-03-2023".

24.Applicant And Interviewer in VideoConferencing

The screenshot shows a video conferencing interface with two participants. The participant on the left is a man wearing glasses and a mustache, sitting in front of a blue and white patterned curtain. The participant on the right is a man with a beard, wearing a dark jacket over a white shirt. At the bottom of the screen, there is a control bar with buttons for "Leave Stream", "Mic On", and "Camera on". Below the control bar, there are links for "Disclaimer", "Terms Of Use", and "Privacy Policy". The system status bar at the bottom shows various icons and the date/time: "11:59 PM 10-03-2023".

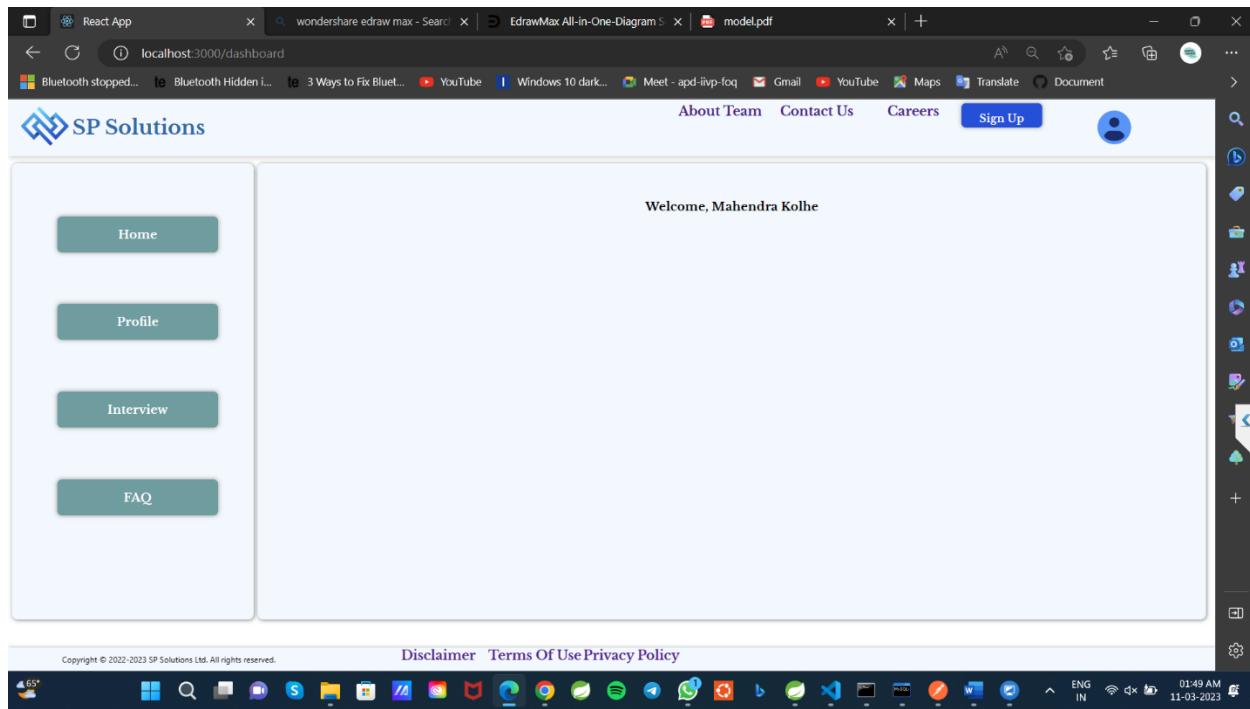
25.Frequently Asked Questions

The screenshot shows a web browser window with the URL localhost:3000/dashboard. The page title is "Frequently Asked Questions". On the left, there is a sidebar with four buttons: "Home", "Profile", "Interview", and "FAQ". The main content area has two sections: "General Questions" and "Technical Questions". Under "General Questions", there is a question about the hiring process. Under "Technical Questions", there is a question about programming languages. At the bottom, there are links for "Disclaimer", "Terms Of Use", and "Privacy Policy". The browser taskbar at the bottom shows various open tabs and system icons.

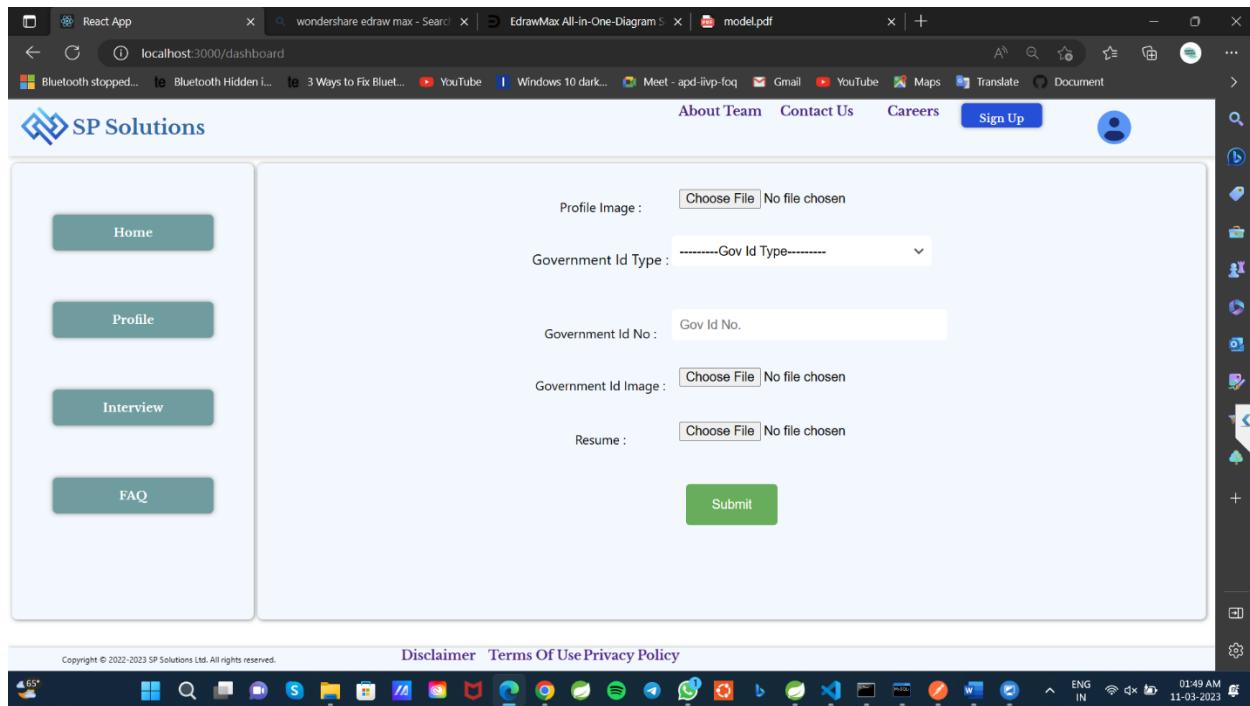
26.Sign Up Form

The screenshot shows a web browser window with the URL localhost:3000/signup. The page title is "Sign Up Form". The form consists of several input fields: "User Name:", "Password:", "First Name:", and "Middle Name:". There are also "Forgot Password?" and "Create Account" buttons. At the bottom, there are links for "Disclaimer", "Terms Of Use", and "Privacy Policy". The browser taskbar at the bottom shows various open tabs and system icons.

27.New Registered Applicant



28.Required Document Upload



29.Profile After Documents are uploaded

The screenshot shows a web browser window with multiple tabs open. The active tab is 'localhost:3000/dashboard'. The page displays a sidebar with buttons for 'Home', 'Profile', 'Interview', and 'FAQ'. On the right, there is a circular profile picture of a man with a beard. Below the picture, the user's name is displayed as 'Mahendra Rajendra Kolhe' and their applicant ID is '412291005'. Detailed personal information is listed:
Address: Pune
DOB: 2001-02-15
Gender: MALE
Gov ID Type: PASSPORT
Government ID Number: 1235146
PRN: 1234567
Email ID: mkolhe@gmail.com
Primary Contact: 1234567890

The screenshot shows a web browser window with multiple tabs open. The active tab is 'localhost:3000/disclaimer'. The page has a header with the 'SP Solutions' logo and navigation links for 'About Team', 'Contact Us', 'Careers', 'Sign Up', and 'LOGIN'. The main content section is titled 'DISCLAIMER' in bold capital letters. The text within the disclaimer states:
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Conclusion:

- This Project aids in managing the human resource of a particular organization. It can be monitored and guarded remotely. It helps to have Interview at pace by giving the freedom to have the interview from any location. All the stakeholders, faculty and other authority can get the required information without delay. Thus this system comes out to be crucial for mass recruitment processes.

Future-Scope:

- This project can be enhanced further by adding remaining departments, online feedback system, online payment facility for the employees to reduce the extra work of the admin.
- The software is flexible enough to be modified and implemented as per future requirements.
- We have tried our Best to present this free and user-friendly website to companies.

References :

- <https://bootstrapmade.com/mentor-free-education-bootstrap-theme/>
- <https://www.javatpoint.com/java-mail-api-tutorial>
- <https://www.w3schools.com/>
- <https://javaee.github.io/javaee-spec/javadocs/>