



**A PROJECT REPORT
ON**

Career Connect: Job Portal Application

Submitted in partial fulfillment for Degree of

MASTER OF COMPUTER APPLICATIONS

By

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Under the guidance of

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**FINOLEX ACADEMY OF MANAGEMENT AND
TECHNOLOGY, RATNAGIRI**

This is to certify that the project report titled:

Career Connect: Job portal Application

**Submitted By:
Mr. Pandurang D. Shirsat
Mr. Onkar R. Malawade**

**In partial fulfillment of the award for degree of
MASTER OF COMPUTER APPLICATIONS
From Mumbai University**

**And are the bonafide record of the work done by them during the Semester
III of SY 2024-2025**

**Internal Guide
(Prof. Minaxi Gurav)**

**HOD
(Prof. Tejas Joshi)**

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Their work and resources provided a solid foundation for building this project.

ABSTRACT

This abstract introduces "Career Connect," a dynamic web-based platform designed specifically for job seekers and employers, developed using the MERN stack. The platform provides user-friendly interfaces, extensive job listings, effective candidate management, and seamless application processes.

The primary objective is to enhance the job search experience by providing an intuitive and accessible online solution for career opportunities. Career Connect aims to transform the way individuals find employment, increasing engagement and satisfaction through personalized job recommendations and real-time updates on job postings.

The system incorporates essential features such as user registration and login, product browsing and secure checkout processes. By enabling users to easily discover and apply for their desired positions, Career Connect supports the growth of the local job market and addresses the evolving needs of today's workforce.

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1. INTRODUCTION

1.1 Background:

The primary objective of this project is to establish an online presence for **CareerConnect**, enabling job seekers to browse and apply for their ideal positions from anywhere at any time. This initiative transcends traditional job searching; it emphasizes enhancing user experience by making the application process seamless, efficient, and enjoyable.

In today's digital landscape, an online presence is essential for businesses to succeed and broaden their outreach. CareerConnect, a comprehensive job portal, acknowledges this necessity and is dedicated to adapting to evolving market trends and user preferences by creating a robust platform for career opportunities. The portal features an extensive job catalog, detailed job descriptions, and an intuitive user interface, simplifying the process for candidates to discover and apply for the roles they aspire to.

The platform features a comprehensive application catalogue, detailed descriptions, and an intuitive user interface, making it easy for users to find and apply the job they desire.

1.2 Objectives:

Website mainly used for displaying the products available and order them

- Create an online platform for job seekers to explore and apply for various job opportunities.
- Allow employers to post job listings, facilitating an efficient recruitment process.
- Enable employers to manage job postings, including adding, deleting, and updating job data.
- Provide a comprehensive candidate management system, allowing admins to track and manage applications effectively.
- Implement an intuitive user interface that enhances the user experience for both job seekers and employers.
- Facilitate personalized job recommendations for users based on their profiles and preferences.
- Ensure real-time updates on job availability and application status, enhancing user engagement and satisfaction.

1.3 Purpose, Scope and Applicability:

Purpose:

The purpose of "**CareerConnect - Job Portal**" is to establish a strong online presence for job seekers and employers, transforming the way individuals connect with career opportunities. This initiative is driven by the need to adapt to the rapidly changing job market, where digital platforms are essential for efficiently matching talent with opportunities.

By creating a comprehensive job portal, CareerConnect aims to provide users with easy access to job listings, enhance their application experience, and foster a supportive community around career development.

Scope:

The scope of the website encompasses a wide range of functionalities. It covers application management to ensure accurate tracking and timely replenishment, efficient application processing to facilitate a smooth transaction process, personalized customer engagement tools for an enhanced applying experience and robust contact management to guarantee timely and accurate reporting's.

The system's scalability allows it to adapt to the evolving needs of both small-scale local online companies and large, established virtual supermarket chains also.

Applicability:

Job seekers can explore a diverse range of employment opportunities, read detailed job descriptions, and view ratings and reviews from other applicants to make informed decisions about their career choices. By establishing a robust online presence, CareerConnect can reach a broader audience beyond local job markets, potentially increasing engagement and facilitating more connections between candidates and employers.

Efficient management of job postings and applications helps prevent missed opportunities and ensures a smooth recruitment process, ultimately enhancing user satisfaction and fostering a positive experience for both the parties.

2. SURVEY OF TECHNOLOGIES

2.1 Existing System:

1. Traditional Job Boards
2. Social media platforms

Limitations:

1. Limited market reach
2. Low marketing efforts
3. Limited Scalability
4. Geographical Limitations.
5. Limited Transparency

2.2 Proposed System

The purpose of "**CareerConnect - Job Portal**" is to establish a robust online platform that connects job seekers with employers, enhancing the recruitment process in today's digital landscape. This initiative is driven by the need to adapt to evolving job market dynamics, where online platforms play a crucial role in reaching and engaging potential candidates.

By moving online, CareerConnect can expand its reach beyond geographical limitations, tapping into diverse talent pools and offering opportunities to a wider audience. The platform provides a user-friendly interface, detailed job listings, and secure application processes, making it convenient for job seekers to browse, apply for, and manage their job applications from the comfort of their homes.

Advantages

- Minimal, Distraction free design
- Category wise division
- Updating Systems

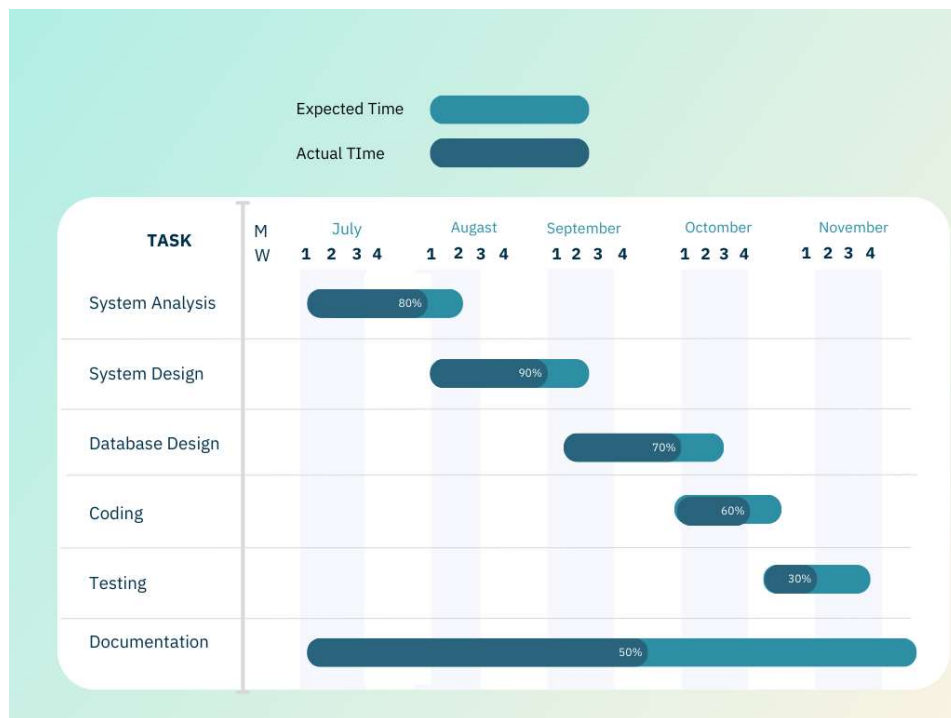
3 REQUIREMENTS AND ANALYSIS

3.1 Project Definition:

To create an application that provides a robust online platform for connecting job seekers with employers, thereby enhancing the recruitment process. This initiative aims to increase visibility for job opportunities and facilitate access to a diverse talent pool.

By establishing a strong online presence, CareerConnect will not only streamline the job application process for candidates but also help employers attract high-quality applicants, ultimately contributing to a more efficient and effective hiring ecosystem.

3.2 Planning and Scheduling – Gantt Chart



3.3 Hardware Requirements

Hardware Used:

- Only the recommended configuration (basic requirements of a computer system).

3.4 Software Requirements

MERN STACK

- **MongoDB:** NoSQL database for storing product and user information.
- **Express.js:** Backend framework for building the server-side logic.
- **React.js:** Frontend library for building the user interface.
- **Node.js:** JavaScript runtime for executing server-side code.

Tools Used:

- Report Viewer
- STAR UML Diagram Tool
- MS Word
- Visual Studio Code
- MongoDB ATLAS

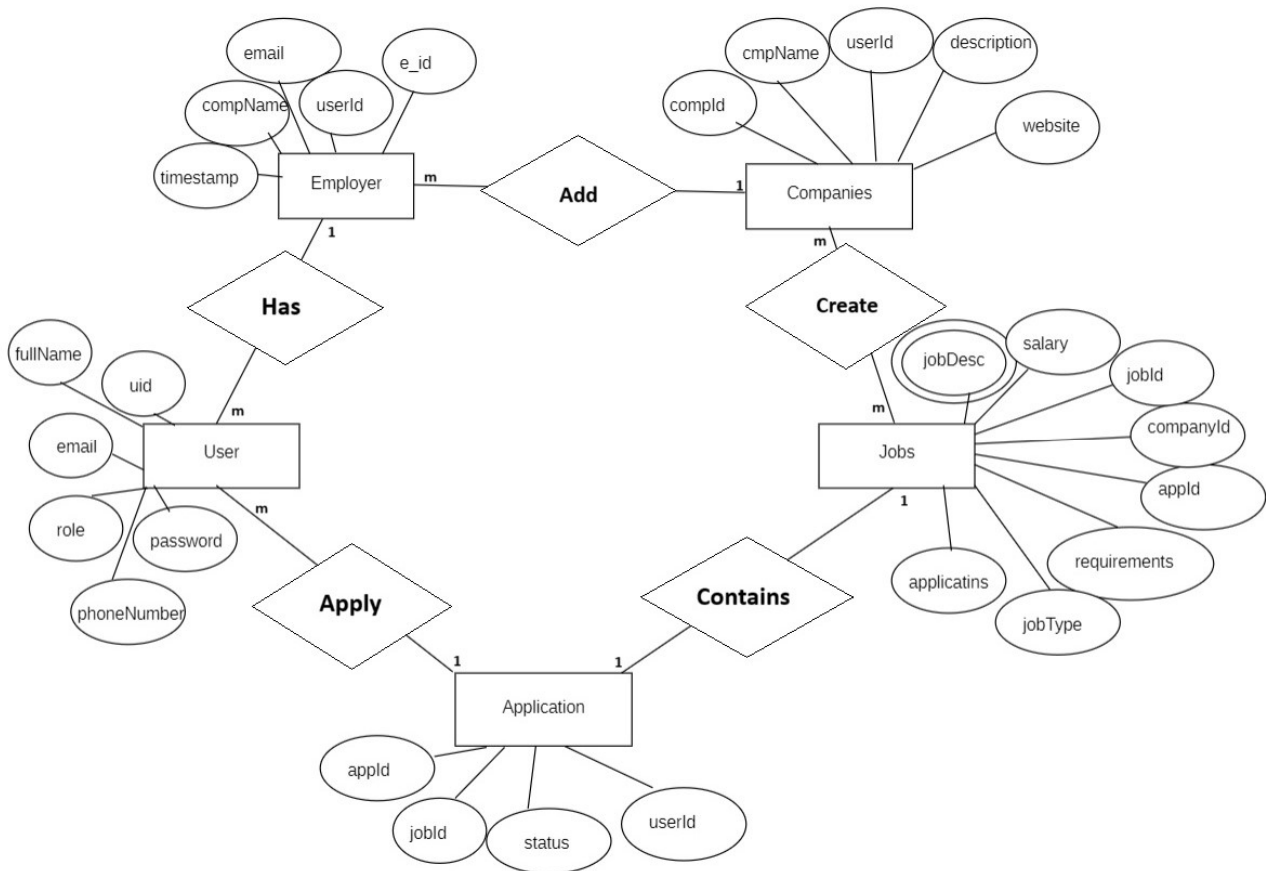
3.5 Preliminary Product Description

The system is divided into two main modules:

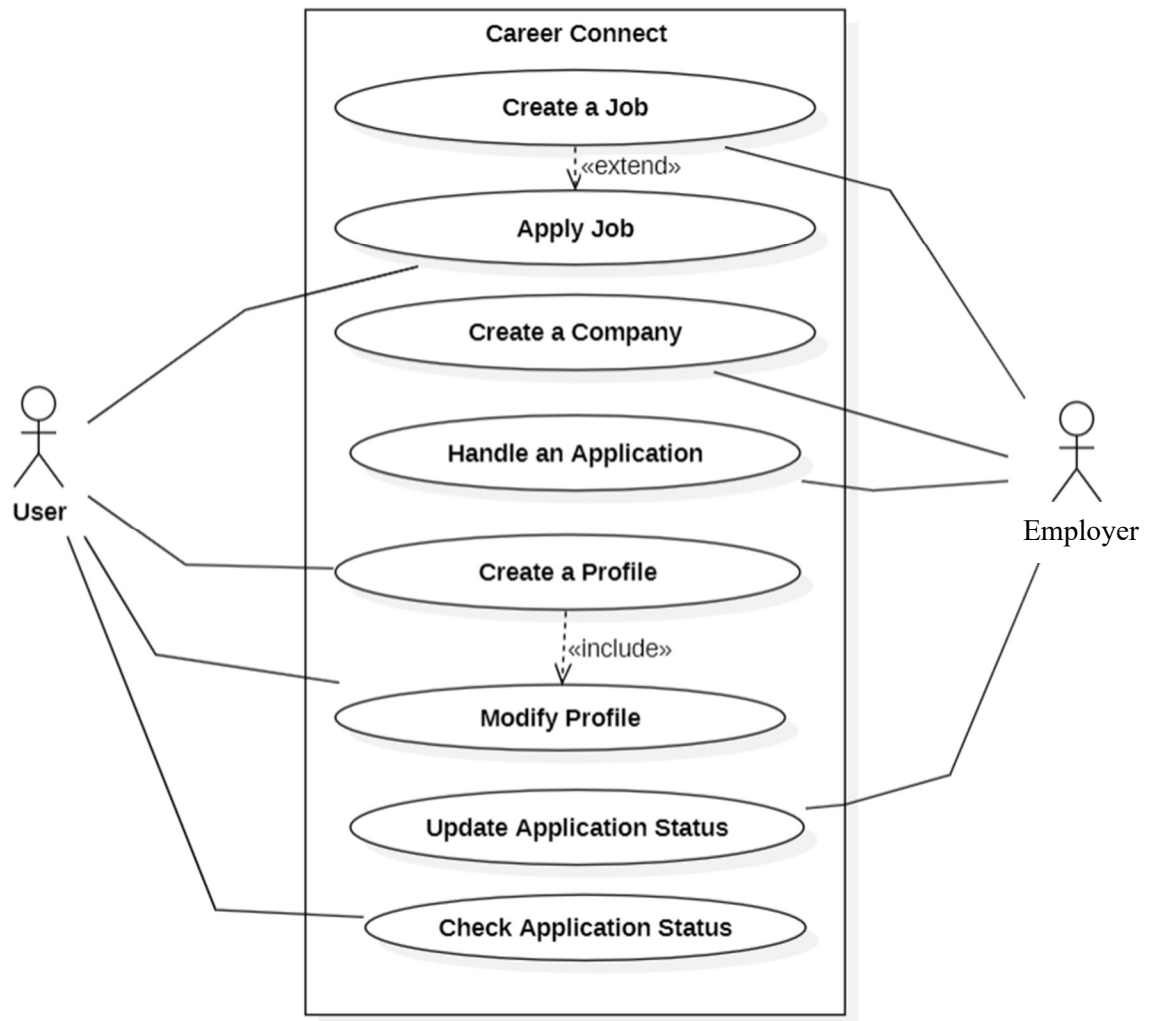
1. **Employer Module:** This module allows administrators to add, update, and delete job postings and manage categories. Admins have exclusive access to this module, enabling them to oversee job listings and ensure the platform remains current with available opportunities.
2. **User Module:** This module is designed for registered users (job seekers) and includes features such as browsing job listings, applying for positions, saving jobs, and managing their application history. Users must be logged in to access these functionalities, ensuring a personalized experience.

3.6 ER And UML Diagrams

ER Diagram

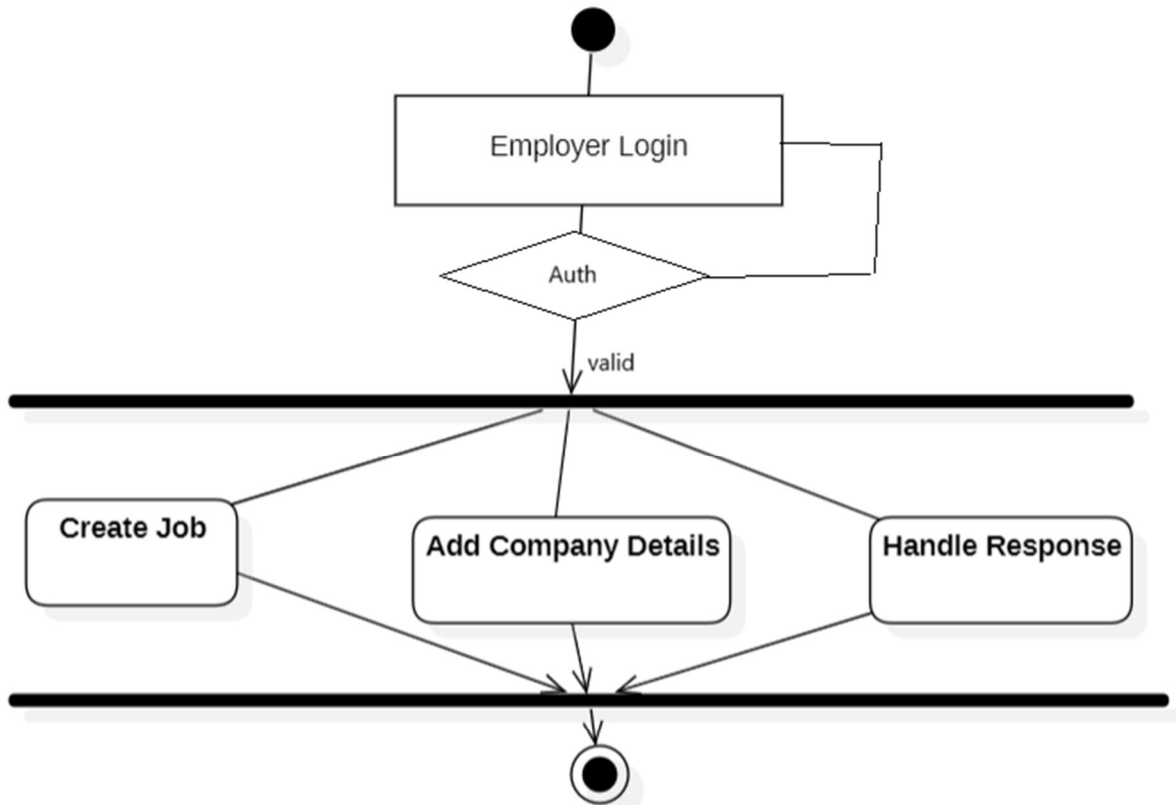


Use Case Diagram

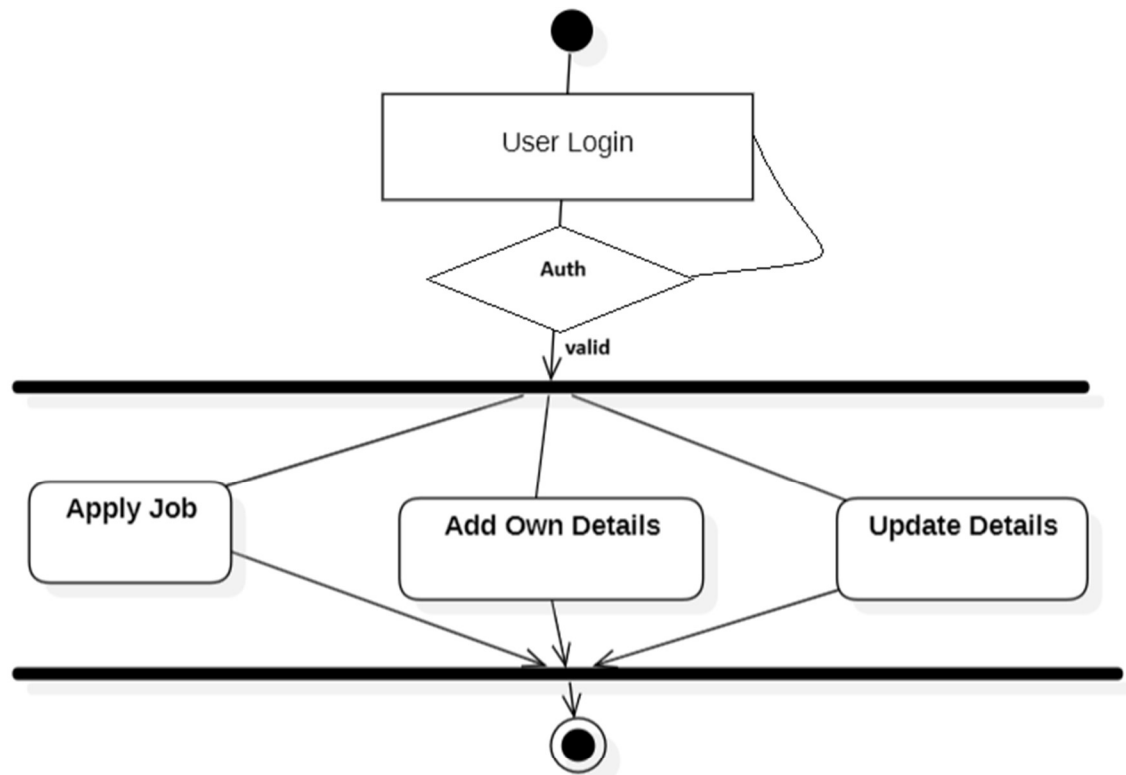


Activity Diagram

Employer Activity

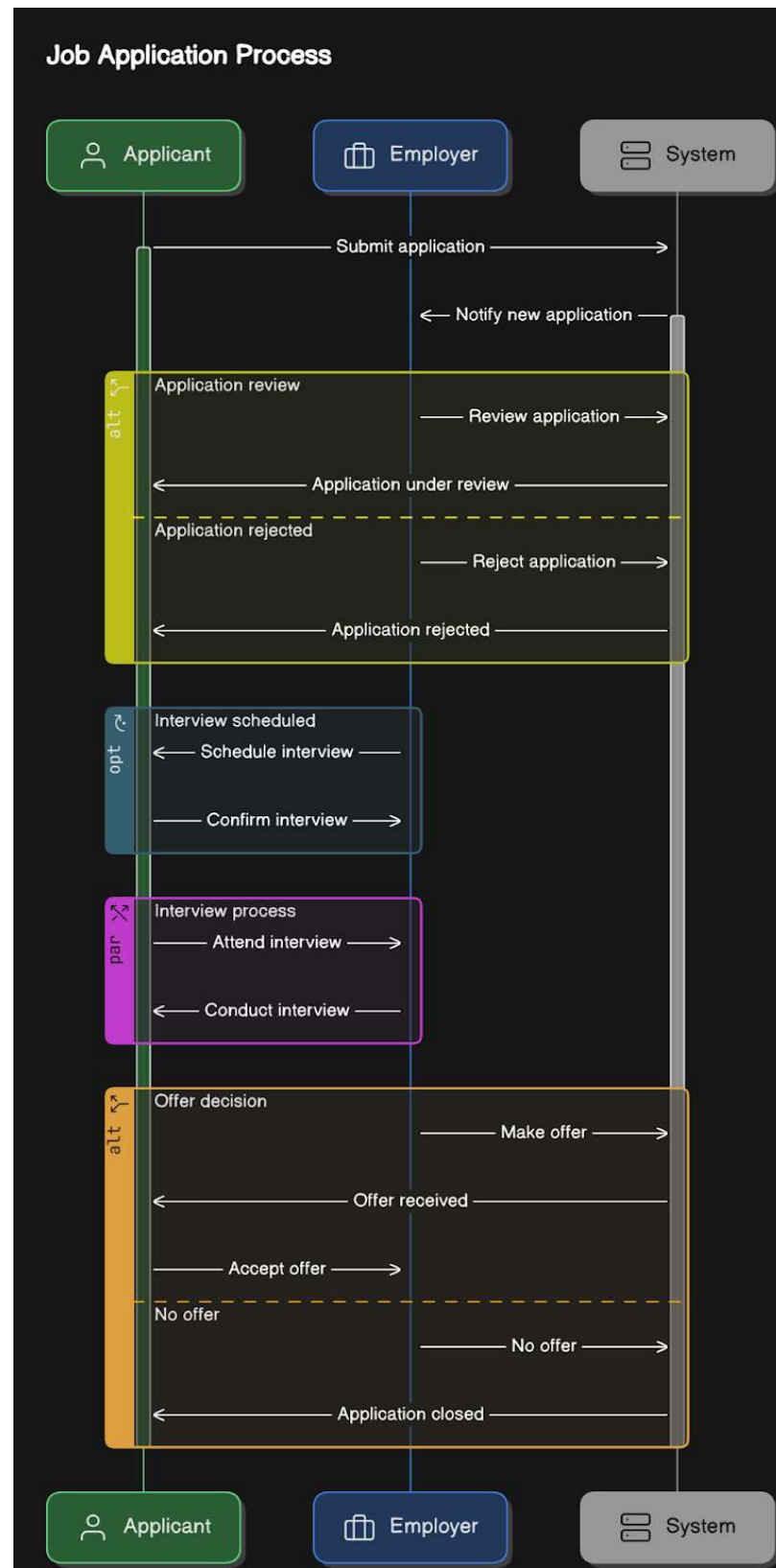


User Activity

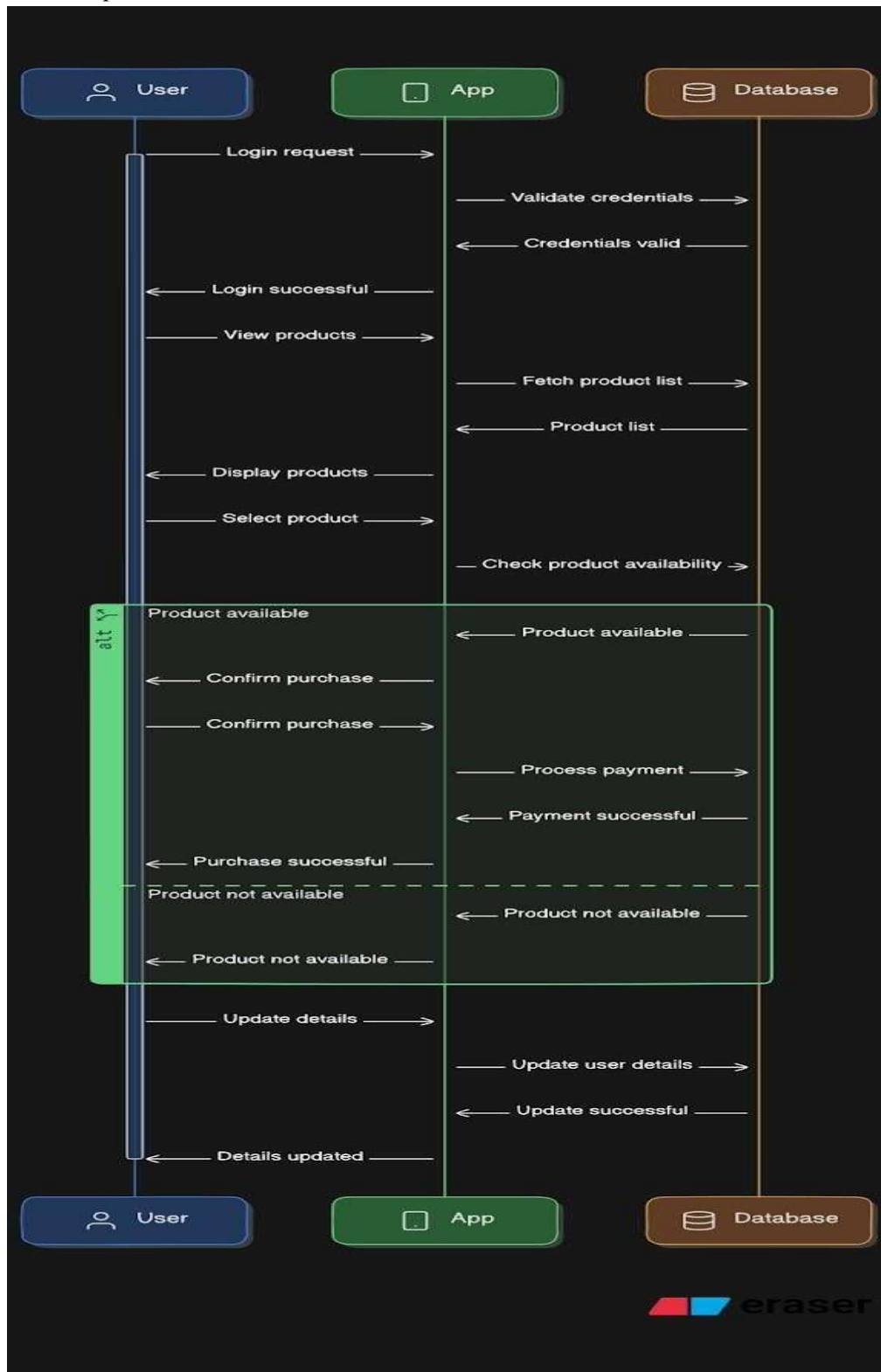


Sequence Diagram

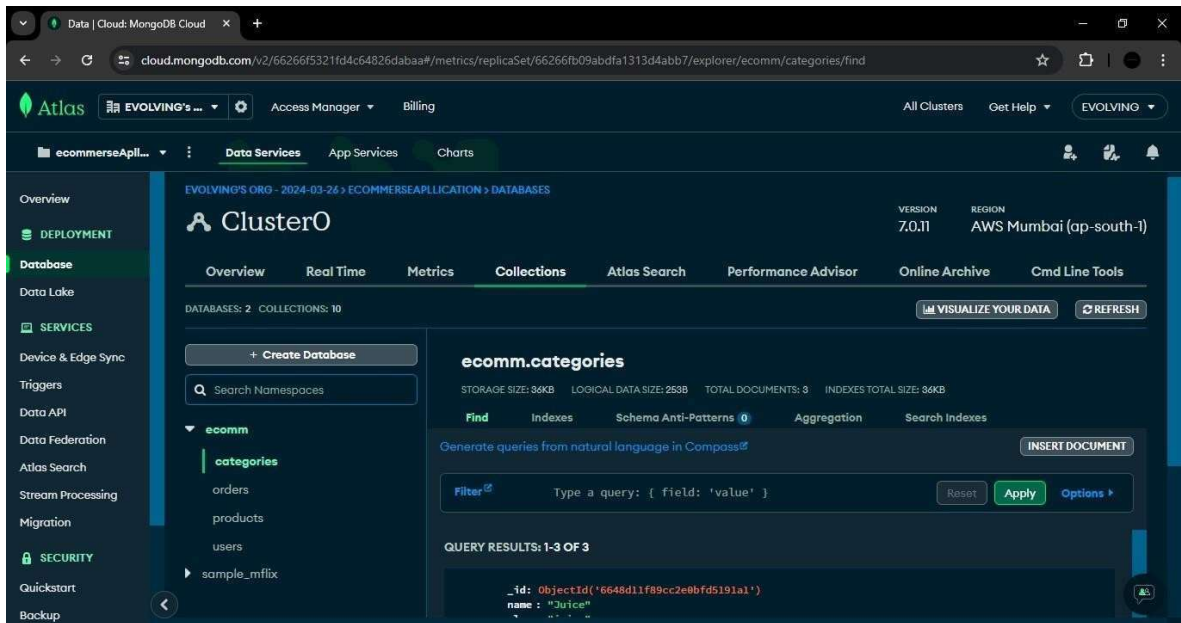
Genral sequence



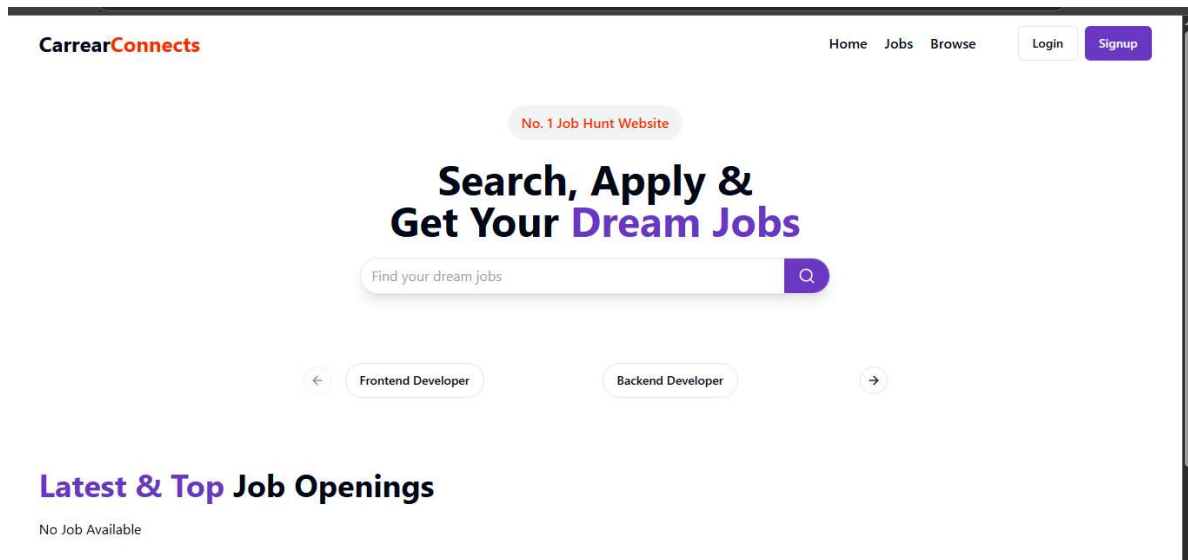
User Sequence



4. System Design



4.1 UI Design



4.1.1 Homepage

CarrearConnects

Home Jobs Browse Login Signup

No. 1 Job Hunt Website

Search, Apply & Get Your Dream Jobs

Find your dream jobs

Frontend Developer Backend Developer

Latest & Top Job Openings

No Job Available

4.1.2 Registration :

CarrearConnects

Home Jobs Browse Login Signup

Sign Up

Full Name
Bhushan DDS

Email

Phone Number
8080808080

Password
bhushan@gmail.com

☐ Student ☐ Recruiter

Profile Choose File No file chosen

Signup

Already have an account? [Login](#)

4.1.2 Login Page

4.1

CarrearConnects[Home](#) [Jobs](#) [Browse](#)[Login](#)[Signup](#)

Login

Email

bhushan@gmail.com

Password

☐ Student ☐ Recruiter[Login](#)Don't have an account? [Signup](#)

4.1.4 Job Details :

Associate Software Developer

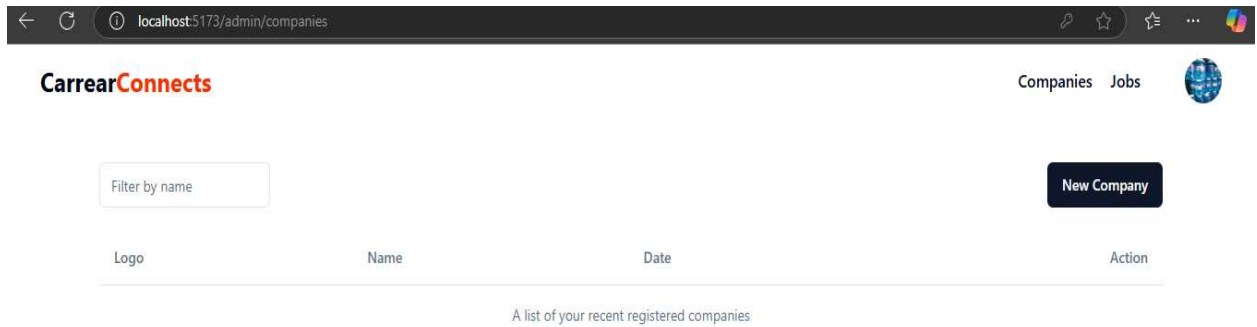
[Positions](#)[Hybrid](#)[200000LPA](#)[Apply Now](#)

Job Description

Role: Associate Software Developer**Location:** Mumbai**Description:** NODE DEVELOPER**Experience:** yrs**Salary:** 200000LPA**Total Applicants:** 1**Posted Date:** 2024-10-22

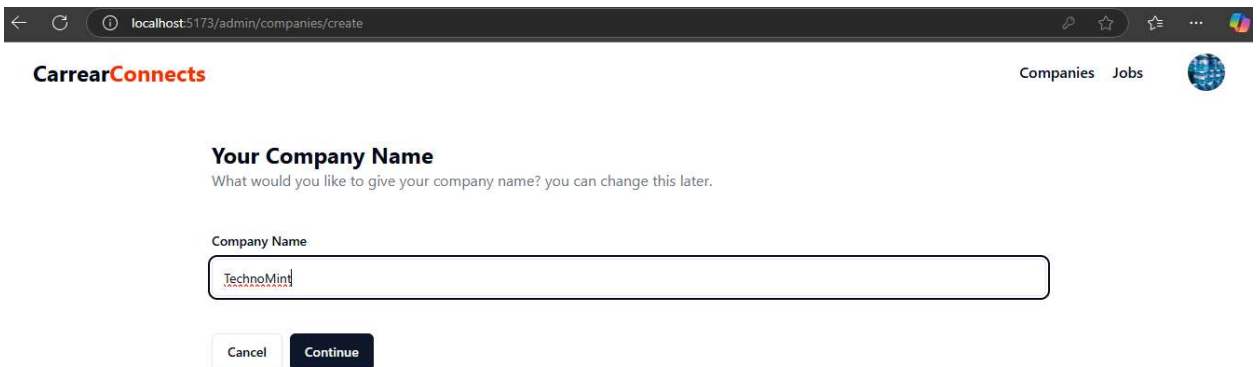
4.1.5 Employer Details

Recruiters Dashboard :



The screenshot shows the 'admin/companies' page of the CarrearConnects application. At the top, there's a navigation bar with the logo, 'Companies' and 'Jobs' links, and a user profile icon. Below the navigation bar, there's a 'Filter by name' input field and a 'New Company' button. A table with columns 'Logo', 'Name', 'Date', and 'Action' is present, but it's empty. Below the table, a message reads 'A list of your recent registered companies'.

Add Company :



The screenshot shows the 'admin/companies/create' page of the CarrearConnects application. The page has a title 'Your Company Name' and a subtitle 'What would you like to give your company name? you can change this later.' Below this, there's a 'Company Name' label and a text input field containing 'TechnoMint'. At the bottom, there are 'Cancel' and 'Continue' buttons.

Add Company Description:

CarrearConnects

Companies Jobs



← Back

Company Setup

Company Name

TechnoMint

Description

Technomint is a cutting-edge technology

Website

demo.tech.com

Location

pune

Logo

Choose File Minimalist ...Wallpaper.jpg

Update

Company Added :

CarrearConnects

Companies Jobs



Filter by name

New Company

Logo	Name	Date	Action
	TechnoMint	2024-12-14	...

A list of your recent registered companies

Adding Job :

CarrearConnects

Companies Jobs



Filter by name, role

New Jobs

Company Name	Role	Date	Action
TechnoMint	Data Analytics	2024-12-14	...

A list of your recent posted jobs

CarrearConnects

Companies Jobs



Title	Description
<input type="text" value="Data Analytics"/>	<input type="text" value="Driven by a team of skiller"/>
Requirements	Salary
<input type="text" value="python MSexcel"/>	<input type="text" value="30000"/>
Location	Job Type
<input type="text" value="pune"/>	<input type="text" value="On-Site"/>
Experience Level	No of Postion
<input type="text" value="Fresher"/>	<input type="text" value="2"/>
<input type="text" value="TechnoMint"/>	
<input type="button" value="Post New Job"/>	

CarrearConnects

Companies Jobs



Applicants 1

FullName	Email	Contact	Resume	Date	Action
Pandurang Devendra Shirsat	simple@2123	9545742535	NA	2024-12-14	...

Resume	Date	Action
NA	2024-12-14	...

ar

Accepted

Rejected

4.1.6 User

User Dashboard:

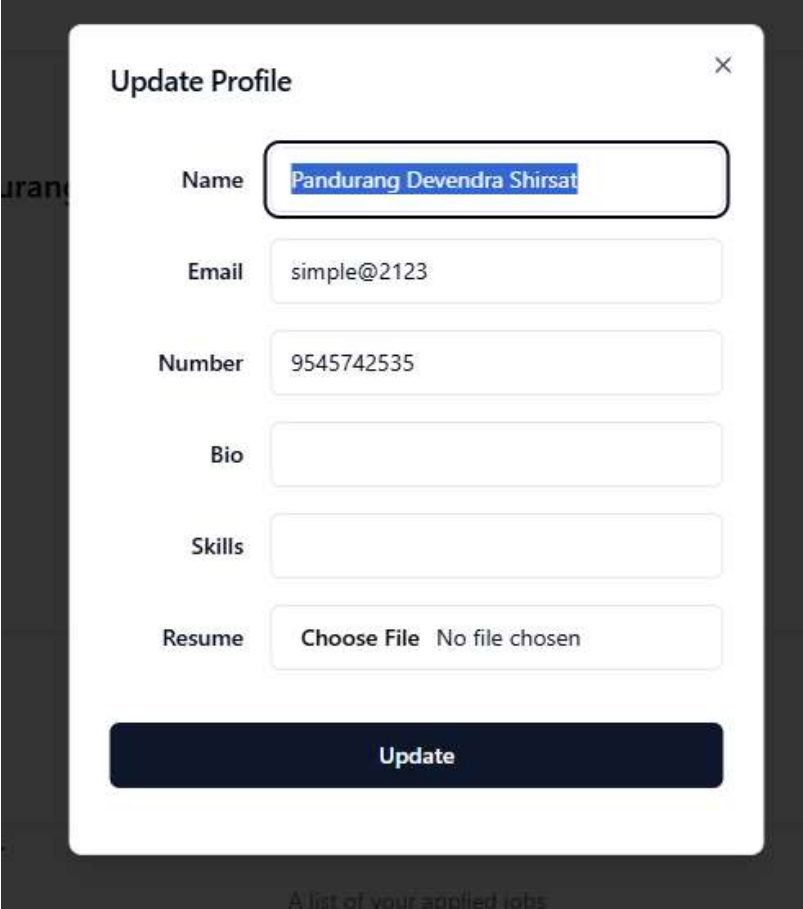
The screenshot shows a web browser at localhost:5173/profile. The page header for 'CareerConnects' includes links for Home, Jobs, and Browse, along with a user profile icon. The main content area displays the user's profile for 'bhushan shirsat'. The profile includes a blue circular logo, an edit icon, an email address 'bhushan@stuent.com', a phone number '2929922929', a skill tag for 'node.js', and a resume link 'Pandurang_Shirsat_MCA.pdf'. Below the profile is a section titled 'Applied Jobs' containing a table with two entries. The first entry is for an 'Associate Software Developer' role at 'Swami inc.' applied on '2024-10-22', with a 'PENDING' status. The second entry is for a 'Software Developer' role at 'FinoTech' applied on '2024-10-12', with a 'REJECTED' status. At the bottom of the table is a link 'A list of your applied jobs'.

Applied Jobs

Date	Job Role	Company	Status
2024-10-22	Associate Software Developer	Swami inc.	PENDING
2024-10-12	Software Developer	FinoTech	REJECTED

[A list of your applied jobs](#)

Update User Profile:



The image shows a modal window titled "Update Profile" with a close button (X) in the top right corner. The form contains several input fields: "Name" with the value "Pandurang Devendra Shirsat", "Email" with "simple@2123", "Number" with "9545742535", "Bio", "Skills", and "Resume". The "Resume" field is a file selector showing "Choose File" and "No file chosen". A dark blue "Update" button is at the bottom. Below the modal, the text "A list of your applied jobs" is visible.

Update Profile ×

Name

Email

Number

Bio

Skills

Resume No file chosen

Update

A list of your applied jobs

4.2 Test Cases

4.2.1 Login:

Sr. No.	Possible Inputs	Expected Result	Actual Result	Result (pass/fail)
1	Valid Username and correct Password	Login Success message and Redirect to Home Page	Login Success message and Redirect to Home Page	pass
2	Valid username and incorrect Password	Login failure and reload login page	Login failure and reload login page	pass
3	Incorrect password and correct password	Login failure and reload login page	Login failure and reload login page	pass
4	Incorrect password and Incorrect username	Login failure and reload login page	Login failure and reload login page	pass

4.2.2 Registration:

Sr. No.	Possible Inputs	Expected Result	Actual Result	Result (pass/fail)
1	Valid Username , Password , Email ,Phone number and role selection	Registration Success message and Redirect to Employer Dashboard.	Login Success message and Redirect to Home Page	pass
2	Invalid Username , Email .	Registration failure and reload login page	Registration failure and reload login page	pass
3	Incorrect password .	Registration failure and reload login page	Registration failure and reload login page	pass
4	Incorrect mobile number .	Registration failure and reload login page	Registration failure and reload login page	pass

4.2.3 Create Company:

Sr. No.	Possible Inputs	Expected Result	Actual Result	Result (pass/fail)
1	Valid Company name ,Description , Website ,Location,Profile Picture	Registration Success message and Redirect to Employer Dashboard.	Registration Success message and Redirect to Employer Dashboard.	pass
2	Invalid Company name ,Description , Website ,	Registration failure and reloading the Employer Dashboard.	Registration failure and reloading the Employer Dashboard.	pass
3	Profile Picture field empty.	Registration failure and reloading the Employer Dashboard.	Registration failure and reloading the Employer Dashboard.	pass

4.2.4 Create job:

Sr. No.	Possible Inputs	Expected Result	Actual Result	Result (pass/fail)
1	Valid Title,Description , Requirement ,Location,Profile Picture,Job Type ,Experience Level ,No, of positions ,selecting Company	Registration Success message and Redirect to Employer Dashboard.	Registration Success message and Redirect to Employer Dashboard.	pass
2	Invalid Title,Description , Requirement ,Location,Profile Picture,Job Type ,Experience Level ,No, of positions	Registration failure and reloading the Employer Dashboard.	Registration failure and reloading the Employer Dashboard.	pass
3	Select Company field empty.	Registration failure and reloading the Employer Dashboard.	Registration failure and reloading the Employer Dashboard.	pass

4.2.5 Check applications:

Sr. No.	Possible Inputs	Expected Result	Actual Result	Result (pass/fail)
1	Click on applicant History	Applicant History Opens	Applicant History Opens	pass
2	Click on applicant History	Applicant History does not Open.	Applicant History does not Open.	pass
3	Reject / Select Applicant	Updates State	Updates State	pass

4.2.6 Apply for the job:

Sr. No.	Possible Inputs	Expected Result	Actual Result	Result (pass/fail)
1	Click on Apply	Application Sent	Application Sent	pass
2	Click on Application name to view specific information card.	Application Details opens.	Application Sent	pass

4.2.7 Update User Profile:

Sr. No.	Possible Inputs	Expected Result	Actual Result	Result (pass/fail)
1	Valid Username , Password ,Phone,resume number and role selection	Updation Success message and Redirect to User Dashboard .	Updation Success message and Redirect to User Dashboard .	pass
2	Invalid Username .	Updation failure and reload User Dashboard.	Updation failure and reload User Dashboard.	pass
3	Incorrect Resume file type.	Updation failure and reload User Dashboard.	Updation failure and reload User Dashboard.	pass
4	Incorrect Profile file type..	Updation failure and reload User Dashboard.	Updation failure and reload User Dashboard.	pass

4.2.8 Update Company details:

Sr. No.	Possible Inputs	Expected Result	Actual Result	Result (pass/fail)
1	Valid Title, website , location .	Updation Success message and Redirect to Employer Dashboard .	Updation Success message and Redirect to Employer Dashboard	pass
2	Invalid website.	Updation failure and reload Employer Dashboard.	Updation failure and reload Employer Dashboard.	pass
3	Incorrect location type.	Updation failure and reload Employer Dashboard.	Updation failure and reload Employer Dashboard.	pass
4	Incorrect Profile file type..	Updation failure and reload Employer Dashboard.	Updation failure and reload Employer Dashboard.	pass

5. Limitation and Future Enhancements

Limitations

1] Limited Payment Integration

- The project may have basic payment gateway integration. Supporting multiple payment gateways and ensuring secure transactions could be enhanced.

2] Basic UI/UX Design

- While the UI is functional, it might lack advanced user interface designs and user experience optimizations. Professional UI/UX design improvements could significantly enhance user satisfaction.

3] Manual Application Management

- Application management might be manually handled. Automated application updates and notifications for low stock levels are not implemented

Future Enhancements:

- 1] Comprehensive Payment Integration
- 2] Improved UI/UX
- 3] Automated Application Management
- 4] Mobile Application

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