Software Requirements Specification

for

Job Portal

Version 0.2 approved

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Revision History

Name	Date	Reason For Changes	Version
Diagrams	12/18/22	Demanded	0.1
Additional Reports	12/18/22	Demanded	0.2

1. Introduction

1.1 Purpose

Job Portal is a single platform for Job seekers from all over the country, to get a job in public/private sector. Job Portal provides an excellent opportunity for Job seekers to categorically find and apply on their dream job. In order to maintain transparency, the jobs are posted through a well-developed back end portal, which helps the employer in hiring the deserving candidates only on pure merit basis.

1.2 Intended Audience and Reading Suggestions

This document is intended to be read by all level of Managers, technical people who understand statistics.
Users incl Candidates, Companies and Admin. Admin will also be using and maintaining this system mostly.
This SRS contains all the Basic and Necessary information regarding the Job Portal.

1.3 Product Scope

The purpose of project is to provide fresh graduate a platform where they can apply in multiple organizations which will increase their recruiting chances. User can access the portal and can apply with some simple steps.

- Search jobs for specific criteria
- Specific Logins/Dashboard
- Quick Job application
- Job approval
- Upload CV
- Approve/Reject Companies

1.4 Definitions, Acronyms and Abbreviations

- Search is applying Certain criteria to see results
- Candidate is the one who is applying for jobs
- Administrator will be the one who is maintaining the whole DB system and Job applications etc.

1.5 References

Not such references found.

1.6 Assumptions & Dependencies

Some components will be re used for example to avoid re writing the code we will copy code of some classes and will paste it in other classes. For Example if we have to create

login for Candidate and Admin. Then Code will be almost same thus, Code of one either one will re used to create login page for respective ones.
* The system requires a high-speed Internet connection for Database Synchronization.
* The system is designed for Small Scale Operations.

2. Use Case Survey Model

2.1 Use Case # 1

Use Case Id and Name	05 Apply for Jobs.
Created By	Arham Date Created: 12/01/2022
Description	User will login to panel. Look for specific Job. Then apply to that job using pre built CV. Tracking ID will be assigned to user then.
Trigger	Users wants to apply for jobs
Pre-Condition	PRE-1 User should be logged in PRE-2 Should match the relevant jobs criteria
Post-Condition	POST-1 Successfully applied for job. POST-2 Tracking Id will be assigned.
Normal Flow	1. All the required details are entered/altered. 2. Check will be performed. 3. User will click on Submit Button. 4. Data will be stored in Database
Alternative Flow	1. All the required details are entered/altered. 2. Msg may be shown to enter correct details. 3. Msg to change username or email 4. Then it will be saved in DB.
Exceptions	1. Data not stored in Database. 2. Error in text fields. 3. All fields not filled
Priority	High
Frequency Of Use	Depends upon no of vacancies available.
Business Rules	N/A
Other Information	Form should be able to export data to DB.
Assumptions	Job is already posted.

3. Actor Survey

3.1 Admin

- Will be responsible for controlling the Backend and Frontend of Web App
- Will add/remove jobs
- Will be able to check/shortlist candidates based on their CV's
- Will be able to create Backup of Databases
- Will modify the database as needed.

3.2 Candidate

- Will be able to search for Jobs
- Apply for Jobs
- Can check the status of the Applied Jobs
- Have Mailbox access to check for any Msg received from Admin.
- Can Edit/Upload CV and Basic Profile

3.3 Assumptions and Dependencies

* The system requires a high-speed Internet connection for Database Synchronization.
* The system is designed for Small Scale Operations.

4. Requirements

4.1 Functional Requirements

4.1.1 Admin Portal

- *CV options*
- *Candidate Profile check*
- *See Stats*
- *Approve/Reject Applications*
- *Add/Remove Jobs*

4.1.2 Candidate Portal

- *Apply for jobs*
- *Search for jobs*
- *Upload CV*
- *Check Job Status*

4.2 Nonfunctional Requirements

4.2.1 Performance Requirements

Job Portal should be able to create list of records according to specified commands. Admin will oversee, controlling the whole system. Companies will be controlling all the commands regarding Candidate information and similar features. Then at the end Candidate will have limited and dedicated access to the portal they will be limited to just apply or search or upload cv for jobs.

4.2.2 Safety Requirements

For the sake of security, the system will be embedded with security measures such as Password protection/hashing will be used. Only registered people will be access to their desired portals.

4.2.3 Security Requirements

Data protection is a major concern as all the data will be stored and can be accessed. To counter this only Managers will be allowed to see the details of personnel via logging in their own portal.

4.3 Software Quality Attributes

- Portable
- Adaptable
- Reliable

5. User Documentation & Help System Requirements

- Helps the Admin & Companies to know more about the upcoming candidates' lot before any physical interaction and their pervious activities before joining the company.
- Retains records of companies hiring policies in-order to avoid any miscommunications or legal issues.
- Contains the formal and informal record about the candidate.

6. Design Constraints

- Should be Web Based
- Language should be Laravel with Composer
- Separate Logins along with DashBoards
- Should be flexible to future Changes

7. Purchased Components

Not such paid Components were used in the development of this project.

8. Software Interfaces

8.1 Prototypes

Job Portal

Jobs Candidates Company About Us Login Sign Up

All **JOBS** In One Place
One Search, Global Reach

Search Jobs
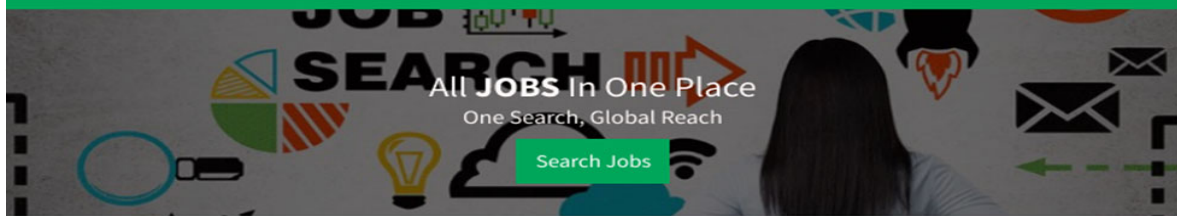
Latest Jobs

	Job Title	
	Company Name|City|Exp	Salary/Month

Candidates
Finding a job just got easier. Create a profile and apply with single mouse click.

Browse Jobs

Apply & Get Interviewed

BRIGHT FUTURE AHEAD
Start A Career

Companies
Hiring? Register your company for free, browse our talented pool, post and track job applications

POST A NEW JOB TODAY!
Post A Job

Manage & Track

Hire
Hire

Our Statistics

13	7	1	1
Job Offers	Registered Company	CV'S/Resume	Daily Users

About US

Job Portal

Jobs Login Sign Up

Sign Up

Candidates Registration
Register

Company Registration
Register

Login

Candidates Login	Company Login
Login	Login

8.2 Actual Design
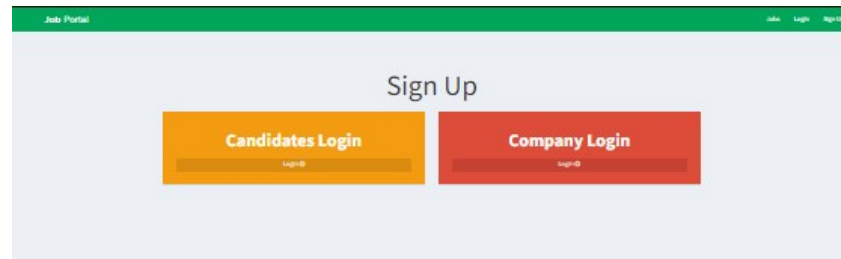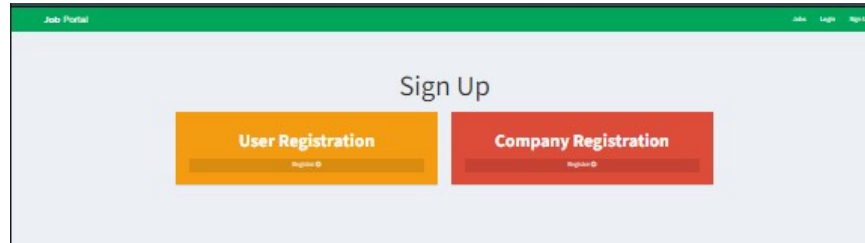
9. Licensing & Security Requirements

No external licensed software were used for the development. Also, for security purposes user authentication has been added and their roles and access has been specified to avoid unethical practices.

10. Legal, Copyright & Other Notices
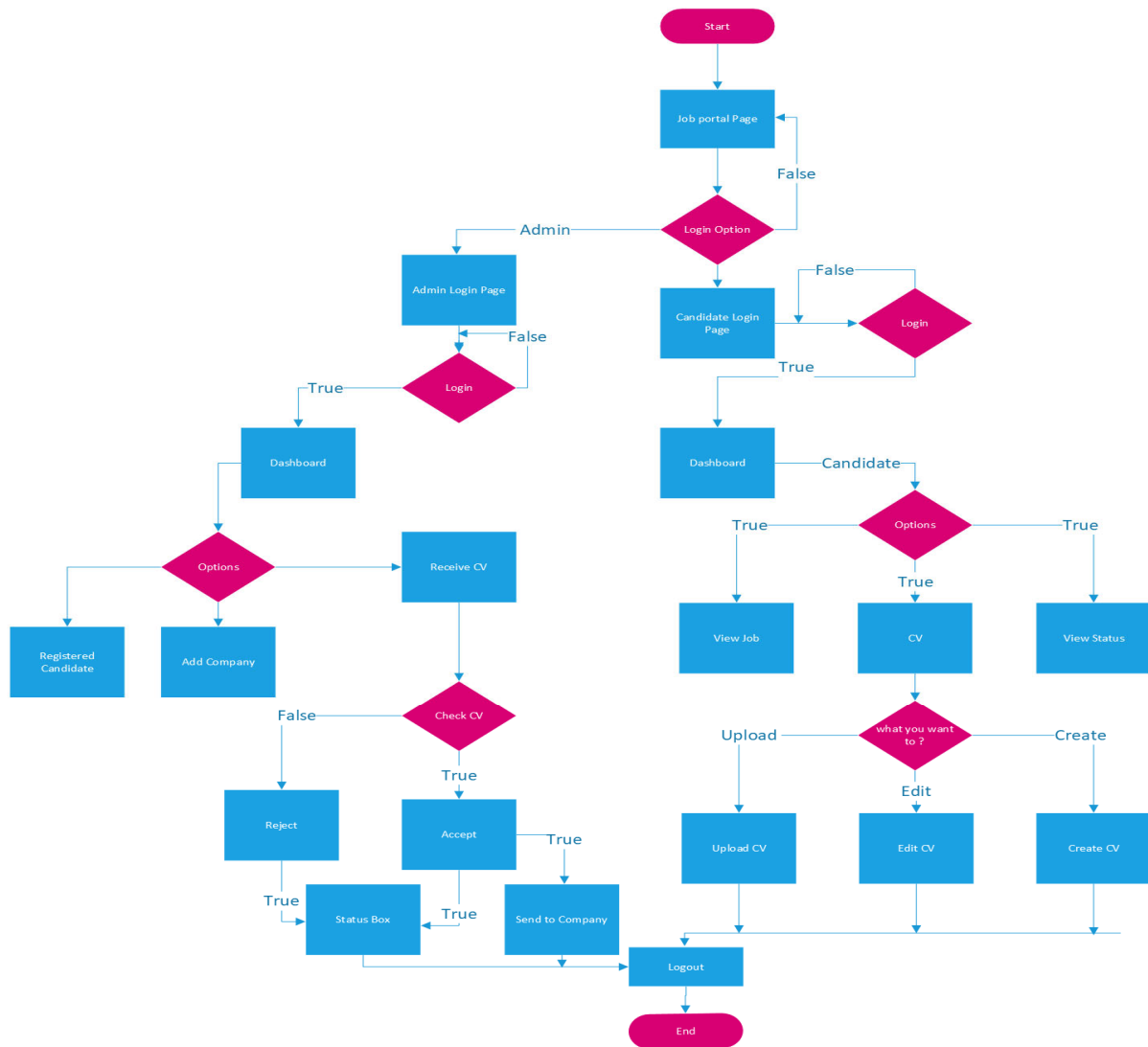
N/A

11. Applicable Standards
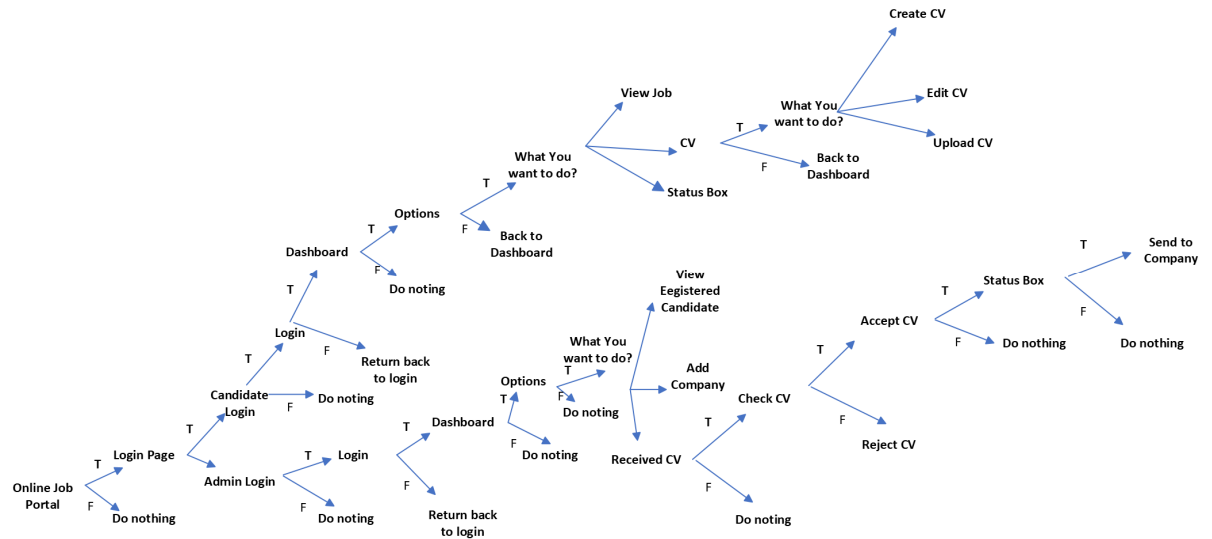
N/A

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13. Glossary

- Search is applying Certain criteria to see results
- Candidate is the one who is applying for jobs
- Administrator will be the one who is maintaining the whole DB system and Job applications etc.

14. Appendixes

14.1 Flow Chart

14.2 Tree Diagram

14.3 EER Diagram

14.4 Finite State Machine

Finite State machine Diagram

14.5 Block Diagram
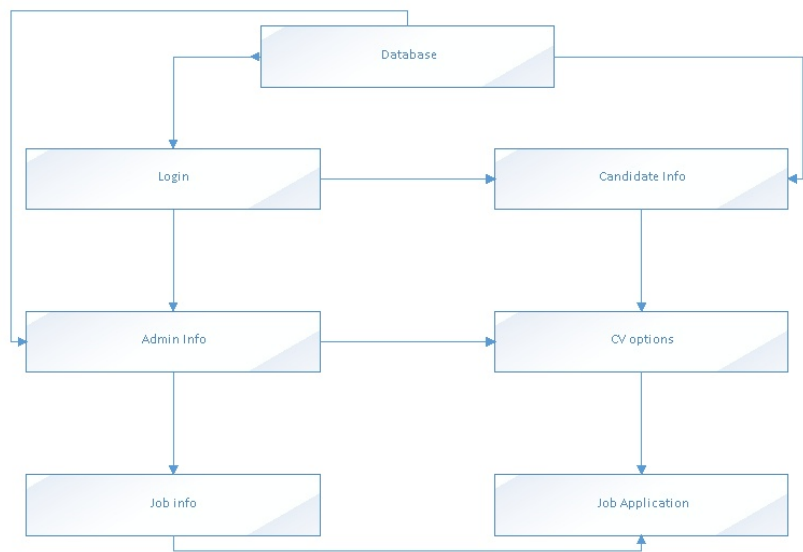
14.6 Pseudo Code

14.6.1 Login Module

BEGIN
Initialize Username
Initialize Password
Input Username
Input Password
If (Username==Entered Username && Password==Entered Password)
BEGIN
Then
Login Successful
Else
Login Failed
END
END

14.6.2 Sign Up Module

BEGIN
initialize **name, email, password, address**
initialize **Date of Birth, City, State, Skills**
Setup file upload
Create these fields in the Database and connect the database
Input **name, email, password, address**
Input **Date of Birth, City, State Skills**
Upload Resume
    IF (All input field is filled)
        Begin
            Store in Database
        Else
            Check Something is missing
    END
END

14.6.3 Edit Profile

BEGIN
Input Username
Input Password
If (Username==Entered Username && Password==Entered Password)
BEGIN
    Then
        Login Successful
    Else
        Login Failed
    END
//After login come to the edit profile
Fetch Data from Database and display it within the fields
IF (Existing data is changed AND Update Button is Pressed)
BEGIN
    Update the record in the database
Else

       Do nothing
END
END