Software Requirements Specification

for

Job Portal

Version 0.3 approved

Prepared by

Hammad Hussain

Arham Mazhar

Muhammad Farhan

Comsats University Islamabad, Wah Campus

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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
Mistakes Fix	21/18/22	Change needed to avoid uncertainity	0.3

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 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 Applications

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	01 , User Registration
Created By	Hammad Date Created: 12/01/2022
Description	User will be routed to registration page. He will enter his name, username & password. Then his details will be saved into system/db.
Trigger	User wants to use the system.
Pre-Condition	PRE-1 All the relevant fields are filled
Post-Condition	POST-1 All the given data will be stored in Database
Normal Flow	1. All the required details are entered. 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. 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. Invalid Username or Password used.
Priority	High
Frequency Of Use	Depends upon no of users
Business Rules	N/A
Other Information	Form should be able to export data to DB.
Assumptions	Username/Email will be unique.

2.2 Use Case # 2

Use Case Id and Name	02 , Create CV
Created By	Arham Date Created: 12/01/2022
Description	User will Create CV by giving the required information. Once the account is logged in user will be prompted to create cv using default system defined template.
Trigger	User wants to apply for the Job.
Pre-Condition	PRE-1 User should be logged in PRE-2 Didn't Created CV before
Post-Condition	POST-1 CV will be created. POST-2 User will be able to apply for jobs
Normal Flow	1. All the required details are entered. 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.
	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.
Priority	High
Frequency Of Use	Depends upon no of users who want to apply for job
Business Rules	N/A
Other Information	Form should be able to export data to DB.
Assumptions	CV is not created before.

2.3 Use Case # 3

Use Case Id and Name	03 Edit CV
Created By	Farhan Date Created: 12/01/2022
Description	It is possible that users profile has improved so to do so in our system the user had to modify his cv using given set of instructions. User will edit his CV. To update or add new information.
Trigger	User wants to make changes to his CV
Pre-Condition	PRE-1 User should be logged in
	PRE-2 CV already created.
	PRE-3 Didn't applied to any Job
Post-Condition	POST-1 CV will be edited.
	POST-2 Then User will be able to apply for jobs using his updated CV.
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	Medium
Frequency Of Use	Depends upon no of users who want to edit their CV's
Business Rules	N/A
Other Information	Form should be able to export data to DB.
Assumptions	CV is already created.

2.4 Use Case # 4

Use Case Id and Name	04 Add Jobs
Created By	Hammad Date Created: 12/01/2022
Description	Admin will add jobs in to system using their

	panel. Once jobs are published users can apply for them.
Trigger	Admin wants user to apply for jobs
Pre-Condition	PRE-1 Admin should be logged in PRE-2 All relevant details should be known
Post-Condition	POST-1 Job will be created at portal POST-2 Users will then apply for them.
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 jobs available.
Business Rules	N/A
Other Information	Form should be able to export data to DB.
Assumptions	Vacancies are available.

2.5 Use Case # 5

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

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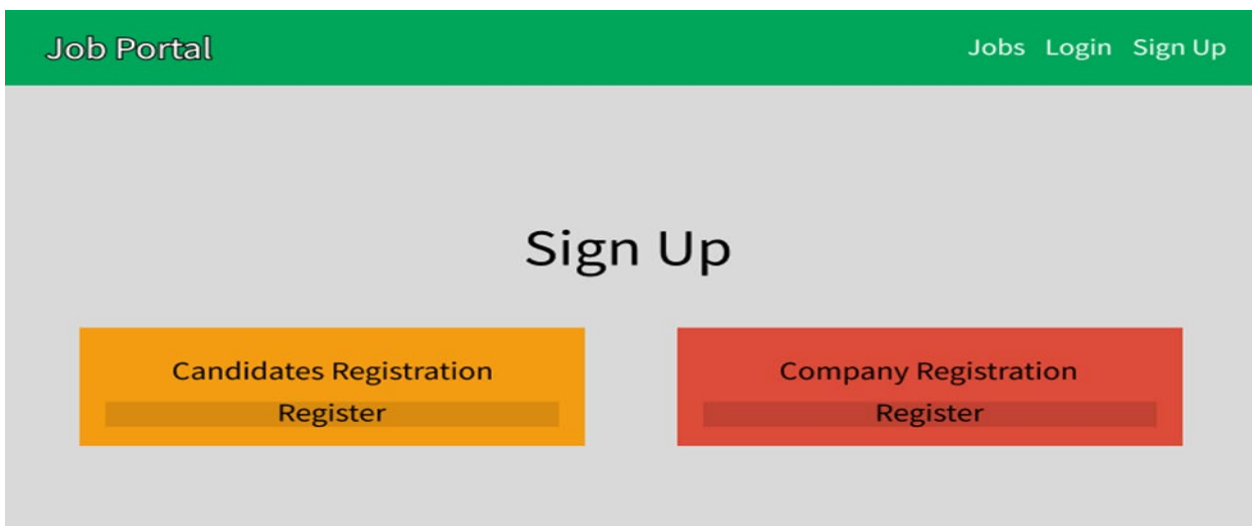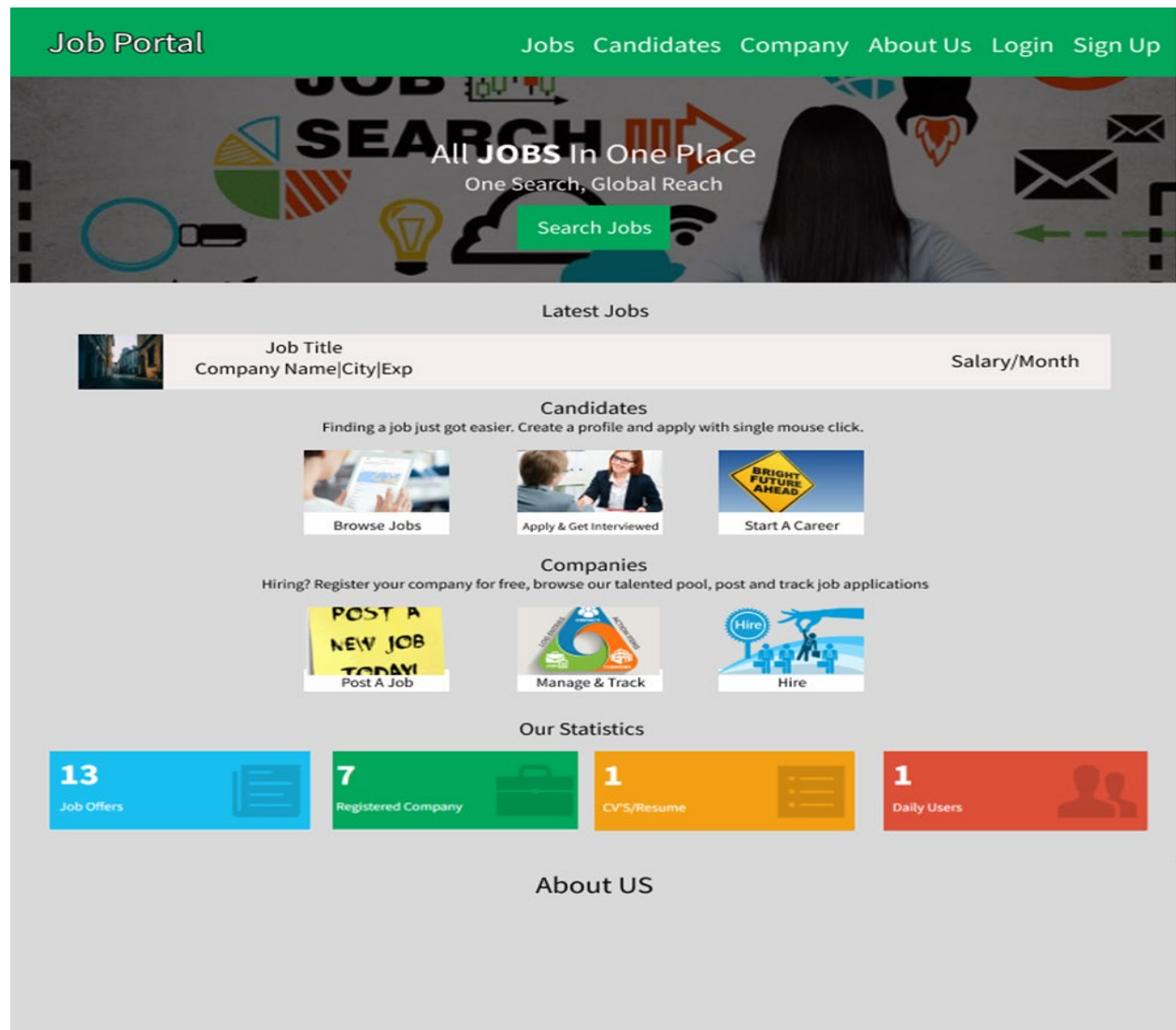
6. Design Constraints

- Should be Web Based
- Language should be Laravel 9 with Composer
-

7. Purchased Components

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

8. Software Interfaces

8.1 Prototypes

Job Portal   Jobs Login Sign Up

Login

Candidates Login	Company Login
Login	Login

Job Portal   Jobs

Welcome @user

My Applications
Jobs
MailBox
Settings
Logout

Recent Applications
Below you will find job roles you have applied for

Job Title #1
Date Applied
                                                                        Status

Job Title #2
Date Applied
                                                                        Status

8.2 Actual Design
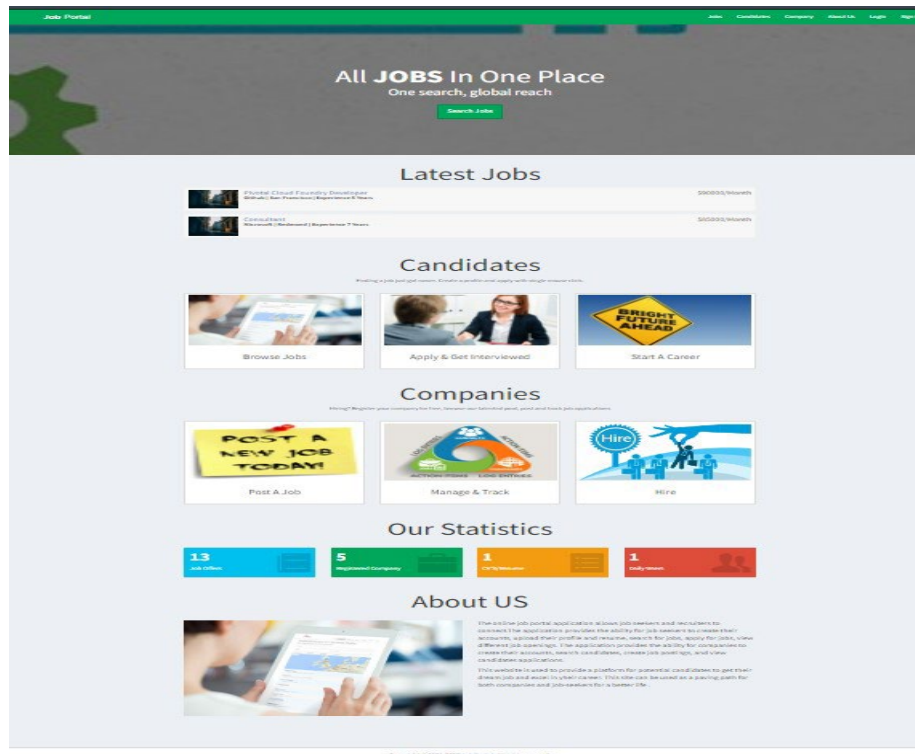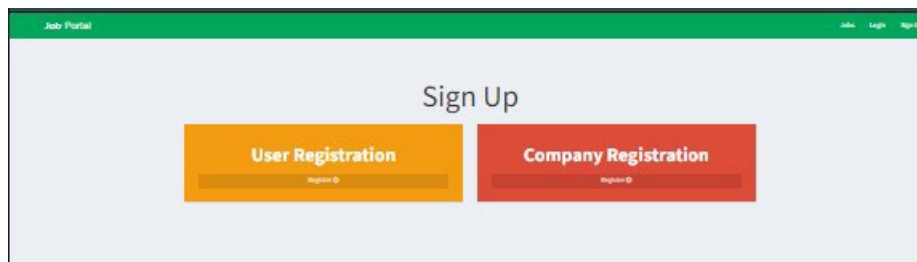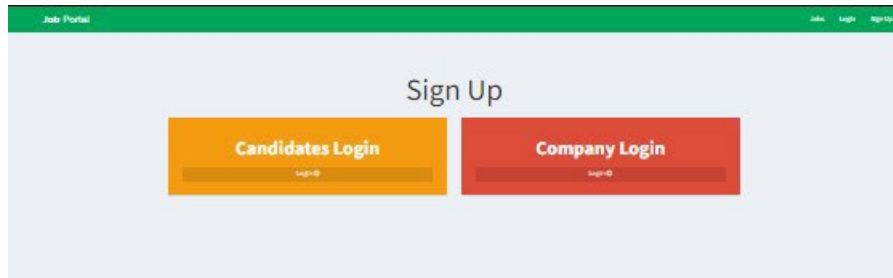
9. Licensing & Security Requirements

No external licensed software were used for the development.

10. Legal, Copyright & Other Notices

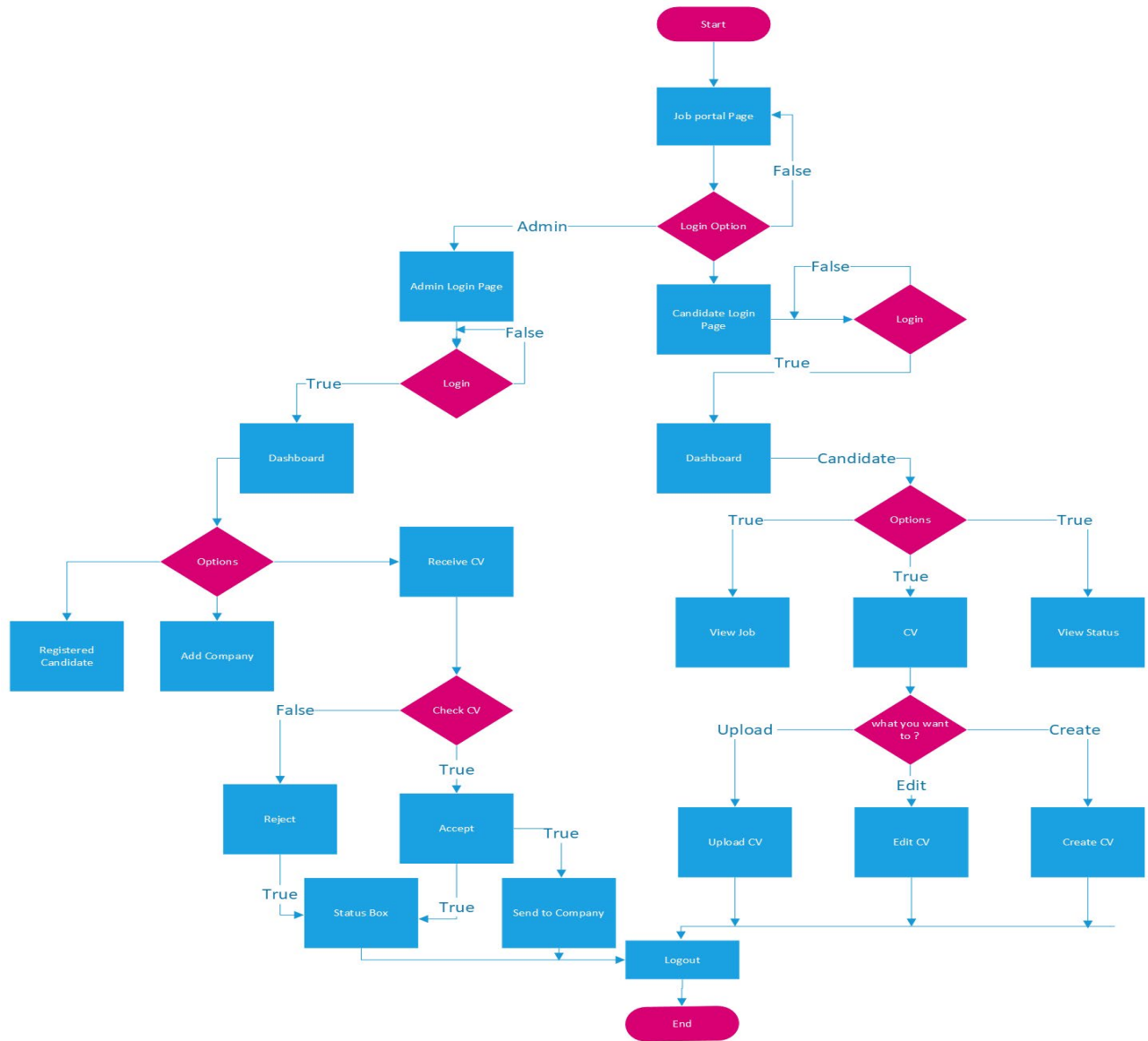N/A

11. Applicable Standards
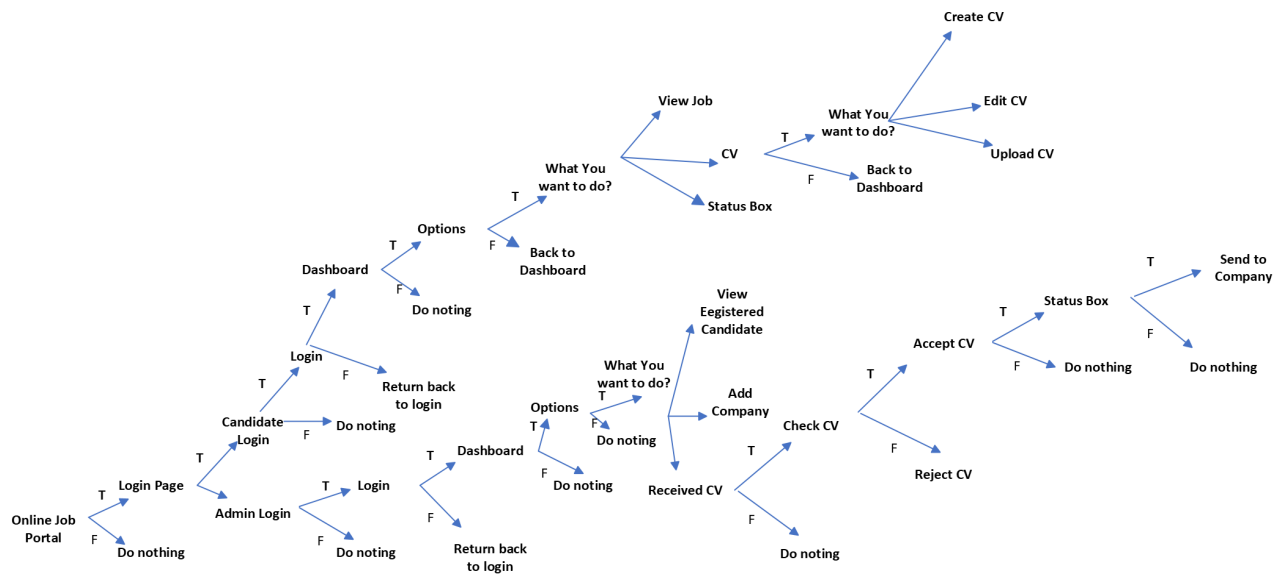
N/A

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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.
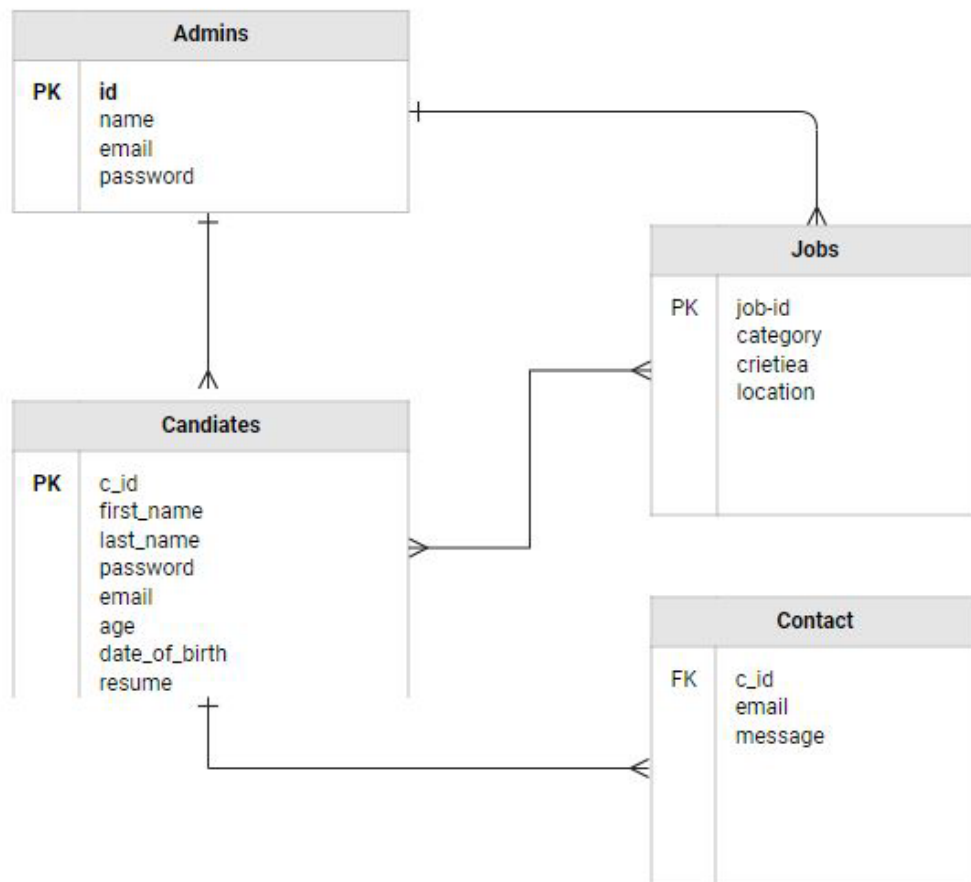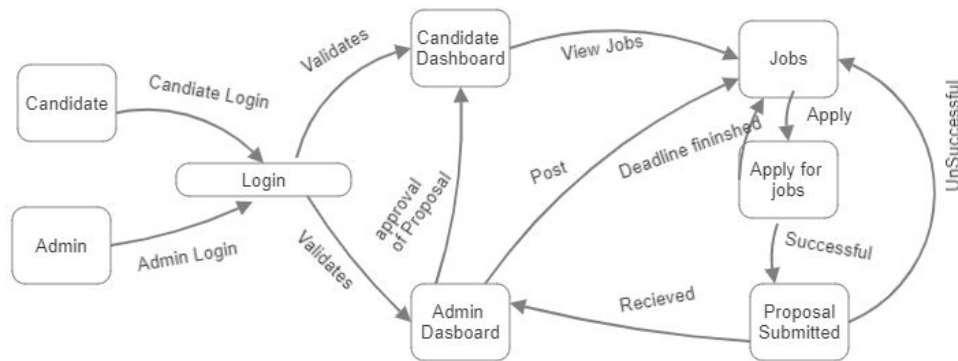
14. Appendixes
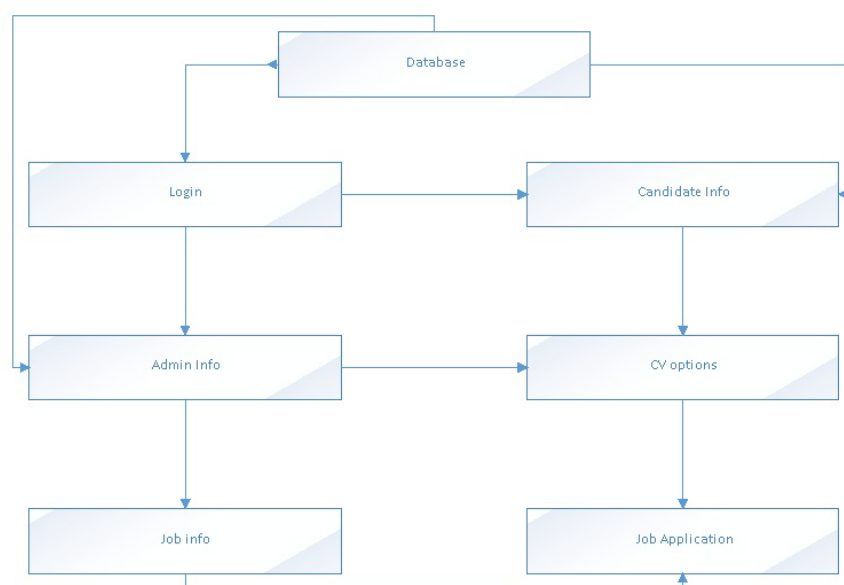
14.1 Flow Chart

14.2 Tree Diagram

14.3 EER Diagram

14.4 Finite State Machine

Finite State machine Diagram

14.5 Block Diagram

Pseudo Code

14.5.1 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

14.5.2 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

14.5.3 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