Software Requirements Specification

Recruit Management System

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Revision History

Doc.	Date	Author	Reviewer	Description of Revision
1.0	29/10/21	Anwar Hossain	-	

Contents

1.   Introduction

This section gives a scope description and overview of everything included in this SRS document.   Also, the purpose for this document is described and a list of abbreviations and definitions is provided**.**

1.1   Purpose

The purpose of this document is to give a detailed description of the requirements for the "Recruit Management" application. It will illustrate the purpose and complete declaration for the development of the system.

1.2   Scope

This website/application will serve as a recruit management application. One organization or person will be managed all the recruitment step easily by using it. Organization can manage their training period for fresh employee or track their activity by using this web application

The purpose of this project is to develop a valuable web application to manage BJIT recruitment policy efficiently Intended Stakeholder

1.3 Definitions, Acronyms, and Abbreviations

Term/Acronym	Definition
Admin	Admin for managing and controlling the recruit process
User/trainee	Who will be monitored by admin/trainer [Trainee]

2. Overall Description

This section will give an overview of the whole system. The system will be explained in its context to show how the system interacts with other systems and introduce the basic functionality of it. It will also describe the entire feature from this application. At last, the constraints and assumptions for the system will be presented.

2.1 Technical platform

In this application, I have used Linux environment to develop the system. For the system, I used, Laravel as a backend on the other hand, for I used React-JS as frontend framework/Library. As Code editor, I used visual studio code to develop this application.

3. Functional Requirements

This section includes the requirements that specify all the fundamental actions of the software system.

3.1 Overview

Here showing all the main feature and sub feature from this application.

Serial No	Main Features	Description
1	Category wise jobs	Showing category wise jobs
2	Search functionality	Search specific jobs from database
3	All jobs, details job ,apply jobs	Showing all jobs, also view a job in details page. Any user can apply in that job.
4	Authentication	Login, register, forgot password, Social Authentication etc.
5	Contact	Contact with Management
6	Dashboard	Attractive dashboard with graph and statistical data
7	Job Management	Job Manage from admin panel. Can Add new Job with proper validation [CRUD]
8	Application Management	All application will manage with user's CV. [CRUD], other functionality.
9	Job Category	Job Category based on jobs, training. It is related with multiple classes [CRUD],other functionality
10	Trainers Management	Dynamically manage all trainers for individual training (dynamically). [CRUD] and other functionality
11	Training Management	Can create training, manage all training with CRUD. Also, manage individual Training with trainee under that training. Also, track all trainees' information under specific Training. Manage trainers for a training.
12	Score Management	Manage all trainee scores by training category. Can add, delete specific trainee scores [CRUD] & others functionality.
13	Notifications	Implement database and Mailing notification from larvae or backend. Showing real-time notifications.
14	Profile Section	Authenticate user can update their profile with image. Can see their activity also.

3.1.1. Category wise jobs

Job Category will represents category from Job-Category table from database. Anyone can see all jobs under a category for apply job.

Requirements

REQUIREMENT ID	Requirement Description	Acceptability/ Completion Criteria	Limitations/ Constraints	Test case Identifier
FR-1	Fetching all jobs under a category	Get All job by Slug	-	-
FR-2	Fetching new jobs & Featured jobs	Filter New job and featured jobs	-	-
FR-3	Manage all data from frontend (React-JS)	Handle all exception from backend an frontend	-	-

3.1.2. Search functionality

Requirements

REQUIREMENT ID	Requirement Description	Acceptability/ Completion Criteria	Limitations/ Constraints	Test case Identifier
FR-4	Search any jobs from database.	Fetch all jobs by search keyword.	Not all jobs	-
FR-5	Manage all jobs and showing in frontend	Handle exception and showing proper message	-	-
FR-6	Showing Pagination for big data	Implement pagination	-	-

3.1.3   All Jobs

Requirements

REQUIREMENT ID	Requirement Description	Acceptability/ Completion Criteria	Limitations/ Constraints	Test case Identifier
FR-7	Showing all jobs in brows jobs section.	Fetch all jobs by pagination.	By pagination	-
FR-8	Manage details jobs in different page	Showing specific job data with category info	Job by slug not all jobs	-
FR-9	Apply job functionality By modal.	Modal form to apply jobs	CV format must pdf/doc	-

3.1.4   Authentications

Requirements

REQUIREMENT ID	Requirement Description	Acceptability/ Completion Criteria	Limitations/ Constraints	Test case Identifier
FR-10	Login with credentials	Check credentials with validation, create token	User must verify and valid	-
FR-11	Register with data	Validation, handle exception	User must verify and valid	-
FR-12	Forgot password	Create token and send mail to email for reset password link	User must verify and valid	-
FR-13	Contact	Contact form to send message.	Form should validated	-

3.1.5   Dashboard

Requirements

REQUIREMENT ID	Requirement Description	Acceptability/ Completion Criteria	Limitations/ Constraints	Test case Identifier
FR-14	Admin Dashboard	Graph, Statistical data representation	Data handle from backend	-

3.1.6   Job Management

Requirements

REQUIREMENT ID	Requirement Description	Acceptability/ Completion Criteria	Limitations/ Constraints	Test case Identifier
FR-15	Job management. CRUD Operation and other functionality	Showing all job by category	-	-
FR-16	Add new job	Validation, handle exception, submit form, handle from backend	Data validate and store in database	-

| FR-17 | Update Job | Validation, handle exception, submit form, handle from backend | Data validate and store in database | - |
| FR-18 | Delete job | Delete any job and showing popup alert and proper message. | If confirmed then job will be deleted | - |

3.1.7   Application Management

Requirements

REQUIREMENT ID	Requirement Description	Acceptability/ Completion Criteria	Limitations/ Constraints	Test case Identifier
FR-19	Application management. CRUD Operation and other functionality	Showing all Application by Job category	-	-
FR-20	Showing Pending Jobs, can be accept also view CV & can be reject any application	Validation, handle exception	-	-
FR-21	From accepted page, can manage accept CV for further process, change to reject and delete any application for forever.	-	-	-
FR-22	Handle rejected application to retrieve in accepted state	Change state from data	Manage state and exception	-

3.1.8 Category Management

Requirements

REQUIREMENT ID	Requirement Description	Acceptability/ Completion Criteria	Limitations/ Constraints	Test case Identifier
FR-23	Showing All category	Handle exception and state for categories from frontend	Fetch all active, inactive categories	-
FR-24	Create new job category	Validation, handle exception	-	-
FR-25	Update any category with dynamically	With validation and handle exception	-	-
FR-26	Delete any category with their relational data from others table	Data delete with proper alert box and message	Must be remove all relational data from others table in database	-

3.1.9 Trainer Management

Requirements

REQUIREMENT ID	Requirement Description	Acceptability/ Completion Criteria	Limitations/ Constraints	Test case Identifier
FR-23	Showing all trainers with training info.	Handle all exception to show data	-	-
FR-24	Add new trainer Trainer to trainings	Validation, handle exception	-	-
FR-25	Update any trainer dynamically to assign in different training	Validate, proper message, handle exception	Must have same trainer to change training	-

FR-26	Delete any trainer from specific training	Handle message and exception	-	-

3.1.10 Training Management

Requirements

REQUIREMENT ID	Requirement Description	Acceptability/ Completion Criteria	Limitations/ Constraints	Test case Identifier
FR-27	Showing all training with by category	Handle all exception to show data	-	-
FR-28	Add new training and view training	Validation, handle exception	-	-
FR-29	Update any training dynamically	Validate, proper message, handle exception	Other data should be unchanged	-
FR-30	Showing Specific training with all trainee and all trainers for that training	Handle Exception and manage state	-	-
FR-31	Delete any trainee from that training	Handle Exception and manage state	-	-
FR-32	Add new trainee in this training	Handle submit data with validation	Should validate	-
FR-33	View any trainee info by clicking view button	-	-	-
FR-34	Showing Specific trainee all info with their training info.	Handle exception, manage state properly	-	-

3.1.11 Exam & Score Management

Requirements

REQUIREMENT ID	Requirement Description	Acceptability/ Completion Criteria	Limitations/ Constraints	Test case Identifier
FR-35	Showing all Exams with exam info.	Handle all exception to show exam data	-	-
FR-36	Add new exam to for individual training	Validation, handle exception	-	-
FR-37	Update any exam dynamically to assign in different training	Validate, proper message, handle exception	-	-
FR-38	Delete any exam from specific training	Handle message and exception	-	-
FR-39	View Any exam to manage dynamically	View button or link to go in specific exam details	-	-
FR-40	Showing all exam marks by individual trainee	Manage exception, state manage	Trainee should show under specific exam for a training category	-
FR-41	Add new trainee marks to that exam	Handle exception, handle submit form with validation	-	-
FR-42	Delete any trainee marks from database	Handle alert to confirm delete	For deleting, must be confirm from admin	-

3.1.12 Notifications Manage

Requirements

REQUIREMENT ID	Requirement Description	Acceptability/ Completion Criteria	Limitations/ Constraints	Test case Identifier
FR-43	Showing all database notification with proper link	Handle all exception to show notifications	-	-
FR-44	Marks as read all notifications	Handle exception	-	-

3.1.13 Profile Settings

Requirements

REQUIREMENT ID	Requirement Description	Acceptability/ Completion Criteria	Limitations/ Constraints	Test case Identifier
FR-45	Showing self-details info, another tabs for activity showing	Handle all exception to show info	-	-
FR-47	Update self-info with profile image	Validate, proper message, handle exception	Must have unique data in unique column in database	-

4.   User Interface

UI No.	UI Name	Related Function Req ID	Description	Test case Identifier
1	Home Page	FR-1,FR-2,FR-3	Showing jobs, categories, featured jobs, latest Jobs	N/A
2	Job Page	FR-4,FR-5,FR-6,FR-7,FR-8,FR-9	Showing all jobs, searched jobs with pagination	N/A
3	Authentication	Fr-10,FR-11,FR-12	Login, register, reset	N/A

5.   Non-Functional Requirements

REQUIREMENT ID	Requirement Description	Acceptability/ Completion Criteria	Limitations/ Constraints	Test case Identifier
FR-48	Email should be sent after action triggered	Email sent by Queue & jobs	N/A	N/A
FR-49	The processing of each request should be done within 2 seconds	Max time 2 sex	N/A	N/A

5.1   Performance Requirements

The requirements in this section provide a detailed specification of the user interaction with the software and measurements placed on the system performance.

5.1.1   Usage of the search feature

TITLE: search feature

DESC: The search feature should be prominent and easy to find for the job.

RAT: In order to for a user to find the search, feature easily.

5.1.2 Security

TAG: Admin Login Account Security

PURPOSE: Security of accounts.

SCALE: If an admin tries to log in to the web portal with a non-existing account then the admin should not be logged in.

5.2 Safety Requirements

This portion has not covered yet. It will implement in future.

5.3 Security Requirements

This portion has not covered yet. It will implement in future.

6. Design Constraints

This section includes the design constraints on the software caused by the hardware.

- There are some constraints in hardware part

- In frontend design part, this website is not mobile friendly. Due to short time cannot complete responsiveness for this application.

Software Quality Attributes

REQUIREMENT ID	Requirement Description	Acceptability/ Completion Criteria	Limitations/ Constraints	Test case Identifier
FR-48	All validation works properly	Validated perfectly	N/A	N/A
FR-49	Secured featured	Maintain security, protected route, manage authorization	N/A	N/A

FR-50	Performance measure	Overall performance of software	N/A	N/A

7.   User Interface

UI No.	UI Name	Related Info No.	Description	Notes	Test case Identifier
1	Home Page	FR-1,FR-2,FR-3	User Home page or main page	N/A	N/A
2	Browse Job Page	FR-4,FR-5,FR-6	All jobs with search functionality	N/A	N/A
3	Authentication	FR-7,FR-8	Login, register, forgot password	N/A	N/A

8.   Other Requirements

REQUIREMENT ID	Requirement Description	Acceptability/ Completion Criteria	Limitations/ Constraints	Test case Identifier
FR-51	Database Design	Database should be more relational with other class/model	N/A	N/A
FR-52	Budget	For unit testing or deployment, need more money	Unit testing tools, server	N/A