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# System Requirements Specification Index

For

## Campus Recruiter Application

Version 1.0

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# 1 BUSINESS-REQUIREMENT:

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## 1.1 PROBLEM STATEMENT:

The Campus Recruiter Application is designed to provide all companies in a college a platform to register all open placements drives.

You are tasked with creating a robust platform that allows users to add new recruiters, incorporating essential information such as company name, salary, job designation, and more. The application should also enable users to view a list of all recruiters. Furthermore, it should allow for the editing and deletion of any recruiter's information and include a search feature to find recruiters by company name or required experience, ensuring effective usability in recruitment processes.

### 1.1.1 Campus Recruiter Application:

**The Campus Recruiter Application** allows you to:

1. Access home page
2. Should be able to add a new recruiter.
3. It should have basic fields like company name, salary, job designation, job description, place of joining, eligibility, required experience and number of requirements.
4. Should be able to get the list of recruiters along with options to sort in ascending and descending order in each field.
5. Should be able to edit and delete any recruiter.
6. Should be able to search any recruiter by company name or required experience.

## 2. TEMPLATE CODE STRUCTURE:

### 2.1 RECRUITER CONTROLLER

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Method Exposed	Purpose
<code>listRecruiters()</code>	Should return page "list-recruiters" with required data.
<code>showFormForAdd()</code>	Should return page "add-recruiter-form" for adding a recruiter.
<code>saveRecruiter()</code>	Should save a recruiter and return "recruiter/list" with required data.
<code>showFormForUpdate()</code>	Should show recruiter details in page "update-recruiter-form" to edit a recruiter.
<code>deleteRecruiter()</code>	Should delete a recruiter and return "recruiter/list" with required data.
<code>searchRecruiters()</code>	Should search a recruiter and return "list-recruiters" with required data.

### 2.2 RESOURCES AVAILABLE:

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Description	View Pages Name	Remarks
Common UI		
Home Page	list-recruiters	Contains a homepage which shows a list of all recruiters along with options to add, edit , delete and search a recruiters.
All recruiters	list-recruiters	
Add a recruiter	add-recruiter-form	
Update a recruiter	update-recruiter-form	
Search a recruiter	list-recruiters	

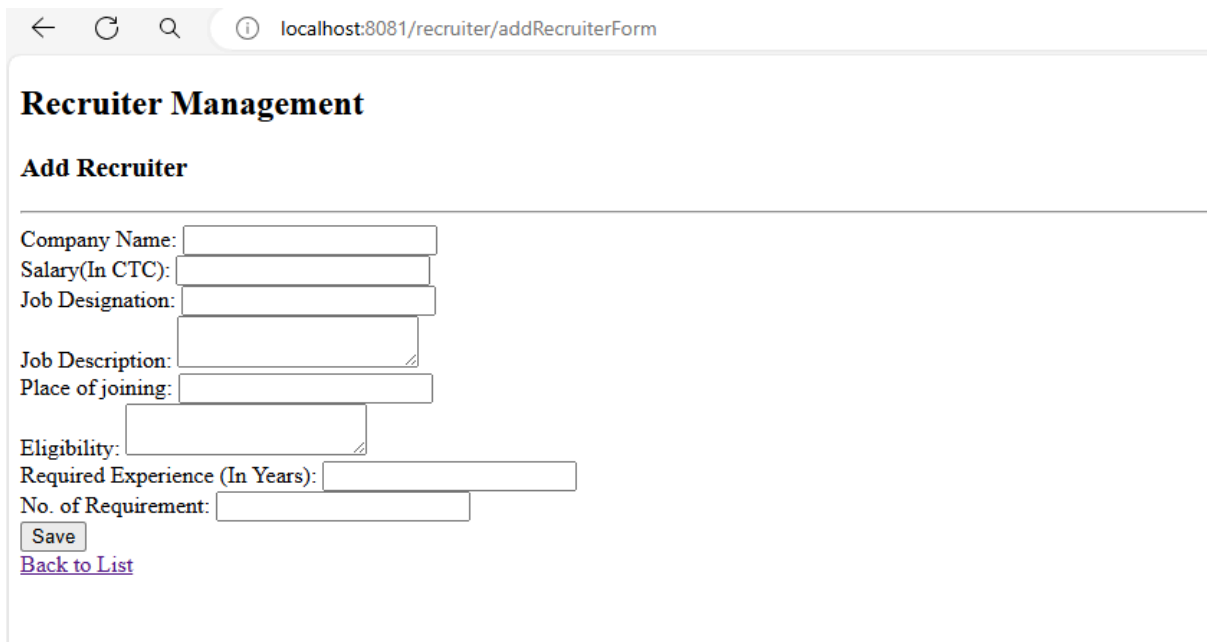
### 3 SUGGESTED WIREFRAMES:

#### 1. Homepage – Visitor Landing Page



A screenshot of a web browser showing a page titled "Recruiter List". The browser's address bar shows "localhost:8081". The page has a header with a search bar labeled "Add Recruiter" and a "Search" button. Below the search bar is a table with the following columns: #, Company Name (with Desc and Asc links), Salary(In CTC) (with Desc and Asc links), Job Designation (with Desc and Asc links), Job Description (with Desc and Asc links), Place of joining (with Desc and Asc links), Eligibility (with Desc and Asc links), Required Experience (In Years) (with Desc and Asc links), No. of Requirement (with Desc and Asc links), and Action. The table is currently empty, and the text "No Records Found" is displayed below it.

#### 2. Create a Recruiter



A screenshot of a web browser showing a page titled "Recruiter Management". The browser's address bar shows "localhost:8081/recruiter/addRecruiterForm". The page has a header with the title "Recruiter Management" and a sub-header "Add Recruiter". Below the sub-header is a form with the following fields: Company Name, Salary(In CTC), Job Designation, Job Description, Place of joining, Eligibility, Required Experience (In Years), and No. of Requirement. Each field has a corresponding input box. Below the form is a "Save" button and a link "Back to List".

## Recruiter Management

### Add Recruiter

Company Name:

Salary(In CTC):

Job Designation:

Job Description:

Place of joining:

Eligibility:

Required Experience (In Years):

No. of Requirement:

[Back to List](#)

### 3. Recruiter List

localhost:8081/recruiter/list

#### Recruiter List

Search By Name/Required Experience

#	Company Name <a href="#">Desc</a> <a href="#">Asc</a>	Salary(In CTC) <a href="#">Desc</a> <a href="#">Asc</a>	Job Designation <a href="#">Desc</a> <a href="#">Asc</a>	Job Description <a href="#">Desc</a> <a href="#">Asc</a>	Place of joining <a href="#">Desc</a> <a href="#">Asc</a>	Eligibility <a href="#">Desc</a> <a href="#">Asc</a>	Required Experience (In Years) <a href="#">Desc</a> <a href="#">Asc</a>	No. of Requirement <a href="#">Desc</a> <a href="#">Asc</a>	Action
1	Zoho	480000.0 LPA	Software Developer	Need of Java developer for a new project	Mumbai	Any degree with no backlogs	1	5	<a href="#">Update</a> <a href="#">Delete</a>

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## 4. Update Recruiter

← ↻ 🔍 ⓘ localhost:8081/recruiter/updateRecruiterForm?recruiterId=1

### Recruiter

#### Update Recruiter

Company Name: Zoho

Salary(In CTC): 480000.0

Job Designation: Software Developer

Job Description: Need of Java developer for a new project

Place of joining: Jodhpur

Eligibility: preferred MCA completed students

Required Experience (In Years): 1

No. of Requirement: 5

Save

[Back to List](#)

← ↻ 🔍 ⓘ localhost:8081/recruiter/list

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### Recruiter List

Add Recruiter

Search By Name/Required Experience 🔍 Search

#	Company Name Desc. Asc	Salary(In CTC) Desc. Asc	Job Designation Desc. Asc	Job Description Asc Desc	Place of joining Desc. Asc	Eligibility Asc Desc	Required Experience (In Years) Desc. Asc	No. of Requirement Desc. Asc	Action
1	Zoho	480000.0 LPA	Software Developer	Need of Java developer for a new project	Jodhpur	preferred MCA completed students	1	5	<a href="#">Update</a> <a href="#">Delete</a>
2	TCS	350000.0 LPA	CSM	search of CSM to handle multiple clients	Chennai	Preferred Any Science Streams	2	2	<a href="#">Update</a> <a href="#">Delete</a>

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## 5. Delete Recruiter

localhost:8081/recruiter/list

**Recruiter List**

Search By Name/Required Experience

localhost:8081 says  
Are you sure you want to delete this recruiter?

#	Company Name <a href="#">Desc.</a> <a href="#">Asc.</a>	Salary(In CTC) <a href="#">Desc.</a> <a href="#">Asc.</a>	Job Designation <a href="#">Desc.</a> <a href="#">Asc.</a>	Job Description <a href="#">Desc.</a> <a href="#">Asc.</a>	Place of joining <a href="#">Desc.</a> <a href="#">Asc.</a>	Eligibility <a href="#">Desc.</a> <a href="#">Asc.</a>	Required Experience (In Years) <a href="#">Desc.</a> <a href="#">Asc.</a>	No. of Requirement <a href="#">Desc.</a> <a href="#">Asc.</a>	Action
1	Zoho	480000.0 LPA	Software Developer	Need of Java developer for a new project	Jodhpur	preferred MCA completed students	1	5	<a href="#">Update</a> <a href="#">Delete</a>
2	TCS	350000.0 LPA	CSM	search of CSM to handle multiple clients	Chennai	Preferred Any Science Streams	2	2	<a href="#">Update</a> <a href="#">Delete</a>

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localhost:8081/recruiter/list

**Recruiter List**

Search By Name/Required Experience

#	Company Name <a href="#">Desc.</a> <a href="#">Asc.</a>	Salary(In CTC) <a href="#">Desc.</a> <a href="#">Asc.</a>	Job Designation <a href="#">Desc.</a> <a href="#">Asc.</a>	Job Description <a href="#">Desc.</a> <a href="#">Asc.</a>	Place of joining <a href="#">Desc.</a> <a href="#">Asc.</a>	Eligibility <a href="#">Desc.</a> <a href="#">Asc.</a>	Required Experience (In Years) <a href="#">Desc.</a> <a href="#">Asc.</a>	No. of Requirement <a href="#">Desc.</a> <a href="#">Asc.</a>	Action
1	Zoho	480000.0 LPA	Software Developer	Need of Java developer for a new project	Jodhpur	preferred MCA completed students	1	5	<a href="#">Update</a> <a href="#">Delete</a>

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## 6. Search Recruiter

localhost:8081/recruiter/search?theSearchName=tcs

**Recruiter List**

#	Company Name <a href="#">Desc.</a> <a href="#">Asc.</a>	Salary(In CTC) <a href="#">Desc.</a> <a href="#">Asc.</a>	Job Designation <a href="#">Desc.</a> <a href="#">Asc.</a>	Job Description <a href="#">Desc.</a> <a href="#">Asc.</a>	Place of joining <a href="#">Desc.</a> <a href="#">Asc.</a>	Eligibility <a href="#">Desc.</a> <a href="#">Asc.</a>	Required Experience (In Years) <a href="#">Desc.</a> <a href="#">Asc.</a>	No. of Requirement <a href="#">Desc.</a> <a href="#">Asc.</a>	Action
1	TCS	500000.0 LPA	Data Analyst	analyse the data and connect to client accordingly	Kerala	MCA,B.Tech,BE	2	22	<a href="#">Update</a> <a href="#">Delete</a>

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## 4 BUSINESS VALIDATIONS

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1. Id must be of type id.
2. Company name value should not be blank, min 3 and max 20 characters.
3. Salary is not null.
4. Job Designation should not be blank.
5. Job Description should not be blank.
6. Location should not be blank.
7. Eligibility should not be blank.
8. Required Experience should not be null, if 0 is given, should throw a message "Invalid Experience" and if 99 is given, should throw a message "Experience cannot exceed 99 years"
9. Total Requirement is not null.

## 5 CONSIDERATIONS

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The Code template already contains skeleton methods for service and controller layer. Please write your logic in it.

## 6 EXECUTION STEPS TO FOLLOW

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1. All actions like build, compile, running application, running test cases will be through Command Terminal.
2. To open the command terminal the test takers, need to go to Application menu  
(Three horizontal lines at left top) → Terminal → New Terminal
3. To build your project use command:  
**mvn clean package -Dmaven.test.skip**
4. To launch your application:  
**java -jar <your application war file name>**
5. This editor Auto Saves the code
6. If you want to exit(logout) and continue the coding later anytime (using Save & Exit option on Assessment Landing Page) then you need to use **CTRL+Shift+B**-command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository. Else the code will not be available in the next login.
7. These are time bound assessments the timer would stop if you logout and while logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.

8. To test any Restful application, the last option on the left panel of IDE, you can find ThunderClient, which is the lightweight equivalent of POSTMAN.
9. This is a web-based application, to run the application on a browser, use the internal browser in the workspace. Click on the second last option on the left panel of IDE, you can find Browser Preview, where you can launch the application.

**Note: The application will not run in the local browser**

10. Default credentials for MySQL:

- a. Username: **root**
- b. Password: **pass@word1**

11. To login to mysql instance: Open new terminal and use following command:

- a. **sudo systemctl enable mysql**
- b. **sudo systemctl start mysql**

**NOTE:** After typing the second sql command (sudo systemctl start mysql), you may encounter a warning message like :

System has not been booted with systemd as init system (PID 1). Can't operate. Failed to connect to bus: Host is down

**>> Please note that this warning is expected and can be disregarded. Proceed to the next step.**

- c. **mysql -u root -p**

The last command will ask for password which is '**pass@word1**'

12. Mandatory: Before final submission run the following command:

**mvn test**

13. You need to use **CTRL+Shift+B** - command compulsorily on code IDE, before final submission as well. This will push or save the updated contents in the internal git/repository, and will be used to evaluate the code quality.