**Online Application Title: Web Based Application System**

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**SRS Document:-**

**Software Requirement Specification (SRS) for**

**Web Based Recruitment System**

**1.Introduction**

**1.1 Purpose**

This document is meant to delineate the features of Web Based Recruitment System, so as to serve as a guide to the developers on one hand and a software validation document for the prospective client on the other.

The Web Based Recruitment System is a web based Application intended to provide complete solution for the Recruiter as well as for Job seeker through a single get way using an internet. It will enable the Job recruiters to post various job related openings in there company, and job seeker can browse and search job and apply according to him/her education, location and skills through internet. By doing so Particular Recruiter can get all the information related to job Seeker and can contact him/her through email and contact number. The Admin module will have all the right to rectify fake and unrelated information uploaded in the web and manage various job related post.

**1.2 Scope**

This web based recruitment system allows the job seeker and the recruiter to fulfil their job related requirement.

**1.3 Definitions**

SRS- Software Requirement Specification

GUI- Graphical User Interface

**1.4 Overview**

This web based application provides an easy solution for Job seeker as well as for the Recruiter without physically contacting to each other or by visiting to their company personally. First time visitor must register with their personal Details as well as qualification details and for the recruiter he/she must give his/her Personal details as well as company related information. When Job seekers apply for the job, the recruiter of particular job can gain job seeker personal and qualification details instantly. This is how recruiter can contact to the jobseeker with ease.

**1.5 Additional Information**

This system works on internet server, so it will be operated by any end to end user for job related activity with secure platform due to authorization and authentication. This system protect their personal details of both job seeker and recruiter and provide easy communication between them.

**1.6 General Description**

Web based Recruitment system helps to manage the company information of the recruiter and help job seeker to view and apply for particular position at ease.

**2.0 Functional Requirement**

This section provides requirement overview of the system. Various functional modules that can be implemented by the system will be-

**2.1 Description**

If a new Job seeker enters the website he can view all job related profile but cannot apply for the particular position. He/she can only apply by registering to their personal profile with valid username and password. Recruiter can post their job vacancy and job related details only by registering to the portal. For the job seeker after registering he can apply for particular position, instantly that job related recruiter can view all the personal as well as education related qualification and professional experience and can contact them via email ID or a phone number. Jobseeker and Recruiter can edit and update their details and recruiter can delete the job profile easily. This web based Application is a client/server based application. The term client/server refers primarily to an architecture or logical division of responsibilities, the client is the application (also known as the front-end), and the server is the RDBMS (also known as the back-end). A client/server system is a distributed system in which, some sites are client sites and others are server sites. All the data resides at the server sites. All applications execute at the client sites.

**2.2 Technical Issues**

It is a client and server based application so it contains of various web pages which changes as per client requirement. Client side always requires browser to run our application e.g. chrome.

**2.3 Hardware Interface**

Minimum requirement

Same for both parties which are as follows:

Processor: Dual Core

RAM: 2 GB

Hard Disk: 3 GB

NIC: For each party

### 2.4 Software Interface:

Minimum requirement

1) OS: Windows 7

2) JAVA development toolkit.

3) Chrome or any browser

**2.5 Performance Requirements**

In order to maintain an acceptable speed at maximum number of uploads allowed from a particular customer as any number of users can access to the system at any time. Also the connections to the servers will be based on the attributes of the user like his location and server will be working 24X7 times.

**2.6 Design Constrains**

**3.0 Non-Functional Requirements**

**3.1 Security**

1) Job seeker can only apply when he/she can register or authenticate him/her self

2) Recruiter can only post job vacancy related details when he/she had registered or authenticate to the portal.

**3.2 Reliability:**

1) As we use MySQL database technology updation, insertion and delete took place very fast on server side.

2) GUI will be user friendly and both job seeker and recruiter and use it with ease.

**3.3 Availability**

The system should be available at all times. Meaning the user can access it using web browser, only restricted by the down time of the server on which the system runs.

**3.4 Maintainability**

A commercial database is used for maintaining the database and application server takes care of the site. The maintainability can be done efficiently.

**3.5 Portability**

The application is HTML So the end user part is fully portable and any system using any web browser should be able to use the features of the system, including any hardware platform that is available or will be available in the future. An end-user is used this system on an OS; either it is Windows or Linux. The System shall run on PC, Laptops and PDA.etc. The technology should be transferable to different environments easily.

**3.6.Accessibility**

Only registered job seeker should be allowed to apply the job related post.

**3.7 Policies**

The system should maintain security related to sensitive data.

**3.8 Efficiency**

The system should provide good throughput and response to multiple users without burdening the system by using appropriate servers.

**3.9 Safety**

Software should not harm ethical and environmental conditions of the end users machine.

**3.10 Modularity**

The system should have user friendly interface. It should be easily updated,modified and reused.

**4.0 Preliminary Schedule**

1. Login

2. Manage jobseeker and recruiter database

3. Add or remove job related post

4. Manage jobseeker database

5. Update job related post category

6.approve/reject job seeker apply application

7.contact details

8.Logout

9.interview Give feedback

10.Create new account

11.View account details

12.Registration

**ER-Entities**

Recruiter->

1)recruiter\_ID

2)recruiter\_name

3)recruiter\_Addr

4)recruiter\_contact\_number

5)recruiter\_number\_Vacancy

6)recruiter\_package

7)recruiter\_password

JobSeeker->

1)candidate\_ID

2)candidate\_name

3)candidate\_Addr

4)candidate\_contact\_number

5)candidate\_Qualification

6)candidate\_Password

7)candidate\_Exp

8)candidate\_Married\_Status

Skills->

1)skill\_id

2)skill\_name

Staff->

1)staff\_ID

2)staff\_Password

3)staff\_Name

**Application Architecture**

Application =Logic + data

Logic =(UI Logic + Business Logic + DataAccess Logic)

Data =( structured data , Non Structured data)

**Online Application**

**Web based Application**: -

1) Deployed on web and accessed by users from anywhere

2) Web based Recruitment system------Web portal-- used remotely by Jobseeker, company recruiter.

**Logic**

**UI Logic**:-

1) Web Pages + HTML controls + Web Components (Angular)

2) Navigation : (UI Routing) HTML Links, Routing mechansim

3) Data Binding : DOM + JSP tags (JSTL) + {{}} ngModel,

**Event Binding**

1) HTTP Request: GET:----------------Doget

POST:---------------Dopost

PUT:

DELETE:

2) Client Side UI----------------HTML, CSS, javaScript, bootstrap

UI (Client Side UI Framework)

Angular, React.

3) Web Logic: ( Server Side processing)

4) Server UI--------------🡪 JSP, servelet,( classical java web technology) spring MVC ( to take advantage advantage of MVC design Pattern using readymade formwork)

Model, View, Controller

Router

(SOA layer)

Spring Boot api

CRUD REST API

ORM Technique:Hibernate ( ORM)

JPA

JDBC ( database Connectivity)

5) State management------->Client Side state management

cookies, querystring, form collection, hidden variables

local storage, session storage, Web sql

Server Side state management

session, Cache,

database

**Business Logic**

Java console application will be used to test your business Logic

1)Core Java:will contain

a.business query processing

b.business operation managment

c.Business data manipulation

2) from web based recruitemnt system point of view

Modules:

Candidate info:

create,

insert,

update

Recruiter info:

create,

insert,

update

Skills info

adding skills,

updating skills,

remove skills

job listing information

adding job,

updating job,

deleting job

job applying information

adding job,

deleting job,

**Data**

1) Structured Data:-

RDBMS

fields

tables

contstraints

**List of tables:**

Recruiter:

Fields:-

1)recruiter\_id

2)recruiter\_name

3)recruiter\_addr

4)recruiter\_contact\_number

5)recruiter\_number\_vacancy

6)recruiter\_package

7)recruiter\_password

Candidates:

Fields:-

1)candidate\_ID

2)candidate\_name

3)candidate\_Addr

4)candidate\_contact\_number

5)candidate\_Qualification

6)candidate\_Password

7)candidate\_Exp

8)candidate\_Married\_Status

Skills:

Field:-

1)Skill\_id

2)skill\_name

JobListing:

Field:-

1)job\_id

2)job\_vacancy

3)job\_company\_name

create .sql file

ddl.sql file will contain DDl commands for table creation

dml.sql file will contain insert commands for filling dummy data to table which we have created

busness\_query.sql file will contain SQl queries mapped for business queries