Software Requirements Specification for

E-JOB PORTAL MANAGEMENT SYSTEM.

Prepared by –

- **Amruta Vyavahare (2013)**

- **Rashi Gundapwar(2013)**

IACSD

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1.   Introduction

1.1   Purpose:

The aim of this project is to develop an online search Portal for the Job. The system is an online application that can be accessed throughout the admin and outside as well with proper login provided. The System developed for job seeker and company. The System provide for intermediate place for Job seeker and company.

The project has been planned to be having the view of distributed architecture, with centralized storage of the database. The application for the storage of the data has been planned. Using the constructs of MY-SQL Server and all the user interfaces has been designed using the J2EE technologies.

The Company can easily get employee from our job portal site by posting a Job. The job portal website is a common place between job seeker and company.

When job seeker login in his account then he can apply for job or he can search of Company by Location and apply with match profile or education detail. So job seeker can easily apply to Job

1.2   This Software Requirements Specification provides a description of all the functions and constraints of the E-Job Portal Management System, developed for Company and Jobseeker. The E-Job Portal Management System is for the Job seekers and companies .It will also manage the data of the company which would comprise of the profile of the company, eligibility criteria and the package it provides etc. The system would provide the facility of viewing jobseekers data who applies for the specific job.

1.3   Document Conventions

 Heading:

Font Size: 14
Font Style: Bold
Font : Algerian

Sub Heading:

Font Size: 16
Font Style: Bold
Font: Times New Roman

Content:

Font Size: 12
Font: Calibri

1.4   Intended Audience and Reading Suggestions

The intended audience of this document includes faculty members in IACSD, the Company and the Job seeker looking for employee and job respectively. This will be knowledgeable to Jobseeker to understand the company requirement.

The audience precisely will be:-

- Job Seekers

- Companies HR

1.5   Project Scope

The System would store all the company as well as personal details of the students who wish job and the Companies who offer jobs to the jobseeker. The details of the Companies as well as the jobseeker may be updated or modified or deleted to keep the information updated. The information regarding the job applied jobseekers is also stored.

1.6   References

Web Sites

- http://www.bestjobs.ph

- http://www.gopinoy.com

- http://www.jobsdb.com.ph

- http://www.jobsonline.com.ph

- http://www.jobstreet.com.ph

2.   Overall Description

The job portal application is used to manage available jobs. Also an online platform for the job seeker, so end-user can search the available job applications on the respective jobs. At the same time, the recruiter or HR can view the applications and contact the candidates. Admin can see and manage the list of company and job Seekers register on portal.

2.1　Product Perspective

The System developed for job seeker and recruiter. The System provide for intermediate place Job seeker and company.
The Company can easily get employee from Our job portal site by posting a Job. The job portal website is a common place between job seeker and company.
when job seeker can login in his account then he can search of Company by Name ,Location ,Domain and apply with match profile or education detail. so job seeker can easily apply to Job.

2.2　Product Features

The main purpose of E-Job Portal Management System is to automate the existing manual system by computerized functions .The System would provide the facility of viewing available jobs information to Job seeker and job applied data to company.

2.3　User Classes and Characteristics

Admin:

- Admin can login to the system.
- View the list of all Recruiters.
- View the list of all Job seekers.
- View the list of all Job seekers.
- Delete Recruiters
- Delete Job seekers

Recruiters:
- Recruiters can register to the application.
- Recruiters can login to the application.
- Recruiters will be responsible to add new jobs to the application.
- Recruiters can manage (delete) the list of job.
- Recruiters can check the list of the user who applied for their job.
- Recruiters can send the interview mail or contact the job seeker by phone number.

Job Seeker:

- Job Seekers can register to the application.
- Job Seekers then login to the application.
- Job Seekers can Edit/Update Profile.
- Job Seekers can apply to any job.
- Job Seekers can search job by as per their preferred Location.

2.4   Operating Environment

This application can be deployed on Linux or window server with database as Mysql to store Job seeker and company data. The application can be accessed by the user on machine which supports web browser with html script. The users device prefer ability should have browsers like Mozilla Firefox (version 14.10 or above) or opera or chrome installed in their OS.

2.5   Design and Implementation Constraints

The application will use Html, and CSS as main web technologies and Spring-MVC ,Spring-boot and Hibernate to manage the backend of application.
HTTP protocols are used as communication protocols.
Since E-Job Portal Management system is a web-based application, internet connection must be established.
The E-Job Portal Management system will be used on PCs and will function via internet or intranet in any web browser.

2.7 Assumptions and Dependencies

We are assuming that the user have basic knowledge of computer.

3.   System Features

1. Admin:
Admin is a root user of the application who can perform the login in the application and after login admin can see the list of company as well as users who are register in

application. Also admin can manage the list of company and user's .Admin can delete the account of company as well as user if any inappropriate activity performs.

2. Recruiters:

First Recruiters do registration in application. After registration recruiters can do easily login in application. Recruiters will be responsible to add new jobs to the application .Recruiters can check the list of users who applied for their jobs. Recruiters can send the interview mail or contact the user by phone number. Recruiters can also update their profile.

3. Job Seeker:

Job seekers can register and login to manage their personal profile in the application. Job seekers can see the list of jobs available in application and also search for jobs as per their preferred location. The Job seeker can Edit /Update his profile.

4. External Interface Requirements

4.1 User Interfaces

The User Interface is a GUI developed using web development tools such as HTML, CSS, Servlet etc.

4.2 Software Interfaces

This Online Job portal is in Spring and hibernate is a web application. that is

using Spring MVC, Spring Boot, and Hibernate to manage the backend of

the application.

5. Other Nonfunctional Requirements

5.1 Performance Requirements

a. The software must have a simple and User friendly Interface.
b.   The navigation to various pages should make it more convenient to the Jobseeker and company so as to save time and confusion.
c.   The jobseeker andandcompany must get the response within seconds. i.e. the response time of a particular function should be minimum.

5.2   Security Requirements

1.Security:
In Online mode security is a core issue that must be considered. Viruses and hacking are threatening e-commerce. to avoid hackers and viruses attack we need to provide a security solution. Security can be provided by encryption, firewall and secure Socket layers. To prevent unregistered users to apply job in system, the use of session object can be made for verification. Only system admins can change or update the data in the application and no access will be given to unauthorized person.

2.Usability: System will be efficient to use, easy to use. Information about jobs are display to jobseeker.

3.Extensiblity: System can easily extend the functionality can be flexibly added functional modules.

4: Availability: The System will be available all the time except at downtime. Downtime will be on every Sunday at 1:00 am to 1:30 am

5: Maintainability: System will not be shut down for more than once in 24 hours of period for maintenance.

6.Portability: This system can be used on Windows or Linux OS. System is easy to port on any other server.

7.Performnace: The E-job Portal management system has adequate performance requirements. it does not take more than 10 seconds to load new pages.

8.Integrity: Whenever the changes are made related to Jobseekers data and company data, it shall be reflected in database as well.