



*Software Requirements Specification
Version 1.0*

JobConnect

Domain: Employment

Category: Website Design and Development

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1.0 Introduction

1.1.1 Purpose of the Document and Target Audience

JobConnect is proposed as an online job information portal.

This document:

- Presents purpose and features of the portal
- Explains interfaces of the portal
- Describes what the portal will do
- Lists the constraints under which it must operate

Stakeholders and developers of the portal can use this document to learn about the portal.



1.2 Need for the Portal



Recent Human Resources and Labor statistics show that skilled and educated population is facing rising unemployment. At the same time, employers who do have job vacancies are finding it difficult to attract the right talent. People looking for job opportunities need a platform wherein they can look up job postings. Employers seeking to hire skilled candidates for positions in their company also need a platform to search for candidates. Aspiring job candidates also need assistance with their interview dress code and etiquette. Further, some guidance on how to respond to interview questions, especially for freshers, would be quite useful.

To cater to these needs, a Website/portal is required to be created.

1.3 Proposed Solution



JobConnect is intended as a Website that fulfills the needs mentioned earlier. It offers job seekers access to thousands of jobs and advanced job-search resources to find career opportunities more easily. Employers in turn get unlimited job postings and list of applicants based on their criteria. Aspiring job candidates can get assistance with their interview dress code and etiquette. They can also learn how to respond to interview questions.

Your organization has been asked to design and build the portal.

Sample SiteMap

Home Page

Enter Your Name:

You are a:

- ☒ Job Seeker
- ☐ Employer Seeking Candidates



Hello, Richard Grant

Select Domain: **Programming**

Select Skills:

- Java Enterprise Development
- Android Development
- QA Tester



Main Page and Main Menu

Hello, Richard Grant!					
View Jobs	Search Jobs	Sample Questions	Interview Etiquette	What to Avoid in Interviews	Contact Us
Formatted Attractive Table	Formatted Attractive Table	(Audios)	(Videos)	Bulleted list	Contact info

1.4 Scope of Project

This Web portal will be a responsive and visually appealing Website to be used by job seekers and corporates (employers).

1.5 Constraints

The Web portal will not have any facility to store information on the server. Information can be fetched from pre-populated JSON or TXT files and displayed, however, information cannot be written to the files from within the portal.

1.6 Functional Requirements

The portal will be designed as a responsive Website with a set of pages and menus that represent choice of activities to be performed. The pages, menus, and other visual elements must be designed in a visually appealing manner with attractive fonts, colors, and animations. All of these should also be laid out in a responsive manner.

Following are the functional requirements of the portal:

Note: For several of these options, information will be retrieved from a pre-populated JSON file and displayed. (Hint: Use AngularJS directives, filters, services, controllers, and other features to implement this).

- i. **Welcome Message:** The home page should accept full name from the user and display a personalized welcome message. At the top corner, the user's name should be displayed for the entire duration that the portal is loaded. (Refer to the sample SiteMap shown.)

On the same page, user needs to select an option determining whether he/she's a job seeker or an employer. Upon choosing the option, the page should display menus according to the corresponding type.

For example, for a job seeker, the following menu options will be displayed:

- ii. **View Jobs:** This menu option upon clicking will display job listings in tabular form.
- iii. **Search Jobs:** This menu option upon clicking will display specific job listings based on skills that user will provide in the input.
- iv. **Sample Interviews:** This menu option upon clicking should launch audios of sample interview questions.

- v. **Interview Etiquette:** This menu option upon clicking should display a few videos on interview etiquette and dress code.

Note: The audio and video files should be of appropriate browser-supported formats and should be short in duration.

- vi. **What to Avoid in Interviews:** Upon clicking this menu option, a bulleted list of things to avoid during interviews should be displayed. This information will be helpful for a job seeker.

Similarly, for an employer or corporate entity, the menus can be follows:

- vii. **View Candidates:** This menu option upon clicking will display candidates' information in tabular form.
- viii. **Search Candidates:** This menu option upon clicking will display specific candidates who meet a given criteria.
- ix. **Sample Interviews:** This menu option upon clicking should launch audios of sample interview questions. Employers can use this to improve their own interview handling techniques.
- x. **Tips for Employers:** This menu option upon clicking should display a bulleted list of tips that can help employers to be good interviewers and have a successful hiring session.

Common menus/pages to both entities (job seekers and employers) will be:

About Us and Contact Us: This menu option should display Email id, address, and contact number of the organization who is developing the system.

Over and above this, the portal should implement following functionalities:

- Display a continuous scrolling ticker at the bottom of the page with current date, time, and location (hint: Use geolocation features of HTML5).
- Display a visitor count at the top right corner of the page beside a logo image.
- Menu options should change color on hover and also after clicking.
- Fade-in and fade-out options can be used for the menus.

1.7 Non-Functional Requirements

There are several non-functional requirements that should be fulfilled by the Website, henceforth called the 'system'.

The system should be:

Safe to use: The system should not result in any malicious downloads or unnecessary file downloads.

Accessible: The system should have clear and legible fonts, user-interface elements, and navigation elements.

User-friendly: The system should be easy to navigate with clear menus and other elements and easy to understand.

Operability: The system should operate in a reliably efficient manner.

Performance: The system should demonstrate high value of performance through speed and throughput. In simple terms, the system should be fast to load and page redirection should be smooth.

Capacity: The system should support large number of users.

Availability: The system should be available 24/7 with minimum down time.

Compatibility: The system should be compatible with latest browsers.

1.8 Interface Requirements

1.8.1 *Hardware*

Intel Core i3 Processor or higher
4 GB RAM or above
Color SVGA
120 GB Hard Disk space
Mouse
Keyboard

1.8.2 *Software*

Technologies to be used:

1. Frontend: HTML5, CSS, Bootstrap, JavaScript, jQuery, AngularJS, XML
2. Data Store: JSON files or TXT files

Other Requirements:

3. Operating Portal: Windows
4. Browsers: Edge, Chrome, Mozilla Firefox, Safari

1.9 Project Deliverables

You need to design and build the project and submit it along with a complete project report that includes:

- Problem Definition
- Design specifications
- Diagrams such as flowcharts for various activities, Data Flow Diagrams, and so on
- Source Code
- Test Data Used in the Project
- Project Installation Instructions (if any)

The consolidated project will be submitted as a zip file with a ReadMe.doc file listing assumptions (if any) made at your end and JSON/TXT files containing test data.

Over and above the given specifications, you can apply your creativity and logic to improve the portal.

~~~ End of Document ~~~