

**Part-time Job Portal  
Software Requirements Specification  
Version <1.0>**

## Revision History

Date	Version	Description	Author
<10/10/22>	<1.0>	SRS 1.0	소설

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# Software Requirements Specification

## 1. Introduction

The introduction of Software Requirements (SRSs) provides an overview of the entire SRS, with a purpose, scope, definition, abbreviation, and overview.

The purpose of this document is to analyze the system-wide requirements of the 'Part-time job portal' by defining the issues and requirements in detail and to guide future system design directions.

It analyzes the functions required by the client in detail and contains the necessary functions and requirements. In addition to its functionality, requirements for non-functional elements are also included in this document.

### 1.1. Purpose

The purpose of this document is to define the system by clearly describing the requirements of the 'part-time job portal'. Also, we provide an overview of the software by classifying specific requirements in anticipation of how this system will be used in order to gain a better understanding of the project, outline concepts that may be developed later, and document ideas that are being considered.

More specifically, this document describes the project's target audience and its user interface, hardware and software requirements. It defines how our team see the product and its functionality.

### 1.2. Scope

The scope pertains to 'part-time job portal' product features, which is a online system that connects companies and individuals to mediate part-time employment. It focuses on the company and the stakeholders such as owner, developers, and users.

### 1.3. Definitions, Acronyms, and Abbreviations

FAQ	Frequently Asked Questions
ID	Identification
Non-members user	Users who do not register for membership

## **1.4. Overview**

The remaining sections of this document provide a general description, including characteristics of the users of this project, the product's hardware, and the functional and data requirements of the product. Section 2 gives the functional requirements, Usability requirements, data requirements and server requirements, Supportability requirements of 'Part-time job portal'.

## **2. Specific Requirements**

The specific requirements are –

### **2.1. Functionality**

Introduction –

This subsection contains the requirements for the Part-time job portal. These requirements are the essential functions to provide the service.

#### **2.1.1. Membership registration**

The system shall register separately for individual members and business members

The system shall provide information of terms and conditions on member information management when signing up.

The system shall verify email authentication to Individual members and register personal information.

The system shall authenticate the company registration number of the enterprise member and register the information.

#### **2.1.2. Enable withdrawal membership**

The system shall provide a member withdrawal function if the member wants to.

The system shall provide information on terms and conditions on destroying personal information when withdrawing from a member.

#### **2.1.3. Member information edit**

The system shall provide the ability to modify members' personal information.

#### **2.1.4. Provide personalized profile**

The system shall display the applying status of individual members.

The system shall store search filters for individual members and provides customized announcement recommendation corresponding to the filters.

The system should provide the ability to store recruitment announcements to individual members.

#### **2.1.5. Recruitment announcement services**

The system shall allow individual members to view recruitment notices and apply to companies.

The system shall allow enterprise members to post recruitment notices and hire applicants.

The system shall enable enterprise members to remove the announcement.

The system shall make enterprise members to setup the expiration period and the expiration period has limit.

#### **2.1.6. Provide hourly wage calculator services**

The system shall provide the ability to calculate the estimated wages that each individual member will receive.

#### **2.1.7. Provide Resume service**

The system shall allow individual members upload their resume.

The system shall allow individual members to open their resume to enterprise members and to get a job offer.

The system shall allow enterprise members to see the resume and offer a job.

#### **2.1.8. Provide Search facility**

The system shall enable members to enter the search text on the screen.

The system shall display all the matching products to include the search text.

The system shall display only 10 matching result on the current screen.

The system shall enable members to navigate between the search results.

The system shall notify the members when no matching product is found on the search.

The system shall enable members to filter the results based on the multiple options.

#### **2.1.9. Provide recruitment announcement list**

The system shall display list of all recruitment announcement on the main page

The system shall enable members to filter the announcements based on the multiple options.

#### **2.1.10. Provide review service**

The system shall enable individual members to make a review to the enterprise members.

The system shall enable members to see the review made by the other members.

#### **2.1.11. Provide question and answer service**

The system shall enable members to ask a question to the manager and get an answer.

The system shall provide FAQ's customer support.

The system shall notice the e-mail address and phone number for help.

#### **2.1.12. Provide customer support.**

The system shall allow members to report the other members using false information.

The system shall display the notices on the main page.

The system shall provide sitemap options for customer support.

The system shall enable members to find their ID and change their password.

#### **2.1.13. Authority of Non-member user**

The system shall enable non-member user only to search and look at the recruitment announcement list.

## **2.2. Usability**

### ***2.2.1. Graphical User Interface***

The system shall provide a uniform look and feel between all the web pages.

The system shall provide a digital map that display the location of the enterprise.

The system shall provide use of icons and toolbars.

### **2.2.2. Accessibility**

The system shall provide handicap access.



## **2.3. Reliability & Availability**

### **2.3.1. Back-end Internal Computers**

The system shall provide storage of all databases on redundant computers with automatic switchover.

The system shall provide for replication of databases to off-site storage locations.

### **2.3.2. Internet Service Provider**

The system shall provide a contractual agreement with an internet service provider for T3 access with 99.9999% availability.

The system shall provide a contractual agreement with an internet service provider who can provide 99.999% availability through their network facilities onto the internet.

## **2.4. Performance**

The product shall be based on web and be run from a web server.

The product shall take initial load time depending on internet connection strength which also depends on the media from which the product is run.

The performance shall depend upon hardware components of the client/customer.

## **2.5. Security**

### **2.5.1. Data Transfer**

The system shall use secure sockets in all transactions that include any confidential customer information.

The system shall automatically log out all customers after a period of inactivity.

The system shall confirm all transactions with the customer's web browser.

The system shall not leave any cookies on the customer's computer containing the user's password.

The system shall not leave any cookies on the customer's computer containing any of the user's confidential information.

### **2.5.2. Data Storage**

The customer's web browser shall never display a customer's password. It shall always be echoed with special characters representing typed characters.

The system's back-end servers shall never display a customer's password. The customer's password may be reset but never shown.

The system's back-end servers shall only be accessible to authenticated administrators.

The system's back-end databases shall be encrypted.

## **2.6. Supportability**

### **2.6.1. Configuration Management Tool**

The source code developed for this system shall be maintained in configuration management tool.

## **2.7. Design Constraints**

### **2.7.1. Standard Development Tools**

The system shall be built using a standard web page development tool that conforms to either IBM's CUA standards or Microsoft's GUI standards.

### **2.7.2. Web Based Product**

There are no memory requirements.

The computers must be equipped with web browsers such as Chrome.

The product must be stored in such a way that allows the client easy access to it.

Response time for loading the product should take no longer than five minutes.

A general knowledge of basic computer skills is required to use the product.

## **2.8. On-line User Documentation and Help System Requirements**

As the product is Part-time job portal, On-line help system becomes a critical component of the system which shall provide.

It shall provide specific guidelines to a user for using the Part-time job portal system and within the system.

To implement online user help, link and search fields shall be provided.

## **2.9. Interfaces**

There are many types of interfaces as such supported by the Part-time job portal software system like User Interface, Software Interface and Hardware Interface.

The protocol used shall be HTTPS.

The Port number used will be 443.

There shall be logical address of the system in IPv4 format.

### **2.9.1. User Interfaces**

The user interface for the software shall be compatible to any browser such as Chrome by which user can access to the system.

The user interface shall be implemented using any tool or software package.

### **2.9.2. Hardware Interfaces**

Since the application must run over the internet, all the hardware connected to internet will be hardware interface for the system. As for e.g., Modem, WAN – LAN, Ethernet Cross-Cable.

### **2.9.3. Software Interfaces**

1. The Part-time job portal system shall communicate with the Configurator to identify all the available components to configure the product.
2. The Part-time job portal system shall communicate with CRM system to provide support.
3. The Part-time job portal system shall communicate with digital map system to provide location information.
4. The system shall be Verisign like software which shall allow the users to complete secured transaction. This usually shall be the third-party software system which is widely used for internet transaction.

#### **2.9.4. Communications Interfaces**

The Part-time job portal system shall use the HTTPS protocol for communication over the internet and for the intranet communication will be through TCP/IP protocol suite.

#### **2.10. Legal, Copyright, and Other Notices**

Part-time job portal should display the disclaimers, copyright, word mark, trademark of enterprise member.

#### **2.11. Applicable Standards**

It shall be as per the industry standard.