**Software** **Requirement** **Specification**

For

**Online Job Portal**

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**1. Introduction:**

**1.1 Purpose:**

This project is aimed at developing a web site for Online Job Portal. The system is an online application which can be used as an Online Job Portal for job seekers & job providers. Job Seekers logging should be able to upload their information and to apply on likeable jobs. Visitors/Company representatives logging should be able to post jobs.

**1.2 Product Scope:**

The scope of the online job portal includes:

The Online job Portal System that is to be developed provides the members with jobs information, online applying for jobs, Posting Jobs, and many other facilities. The basic scope of the project is given as under:

* Job Seekers Area
* Job Providers Area
* Administrator’s Panel

**1.3 Intended Audience:**

This document depicts the low level design document of the Online Job portal project. This document includes the identified classes and relationship between the classes, functional architecture and functional requirements. The intended audiences of this document are:

* Team member of the Online Job portal project.
* Mentor of the Online Job portal project.

**1.4 References:**

* IEEE SRS Format.
* Online Job Portal by Pavel Ray (Jadavpur University).
* Online Job Portal by Avachromians (MIT, Anna University, Chromepet).

**2. Overall Description:**

**2.1 Product Perspective:**

The Online Job Portal System is a package to be used by companies to improve the efficiency of business. The Online Job Portal System to be developed benefits greatly the members. The system provides jobs catalog and information to members and helps them decide on the jobs to apply. The Admin can keep the jobs catalog updated all the time so that the members (Applicants and the Companies) get the updated information all the time.

The main users are:

* Admin.
* Applicants/Members who are the Job seekers.
* Agencies/Companies/Job providers.

**2.2 Product Functions:**

The Online Job Portal System provides online real time information about the jobs available in the agencie.

The functions of the system include:

* The member should be provided with the updated information about the jobs catalog.
* Provisions for the members to apply the job they want, if all the other required rules hold good.
* The member is given a provision to check his account information and change the account information any time in the given valid period.
* The members are provided with the jobs available roster and allowed to apply job, which they want.
* The admin can get the information about the members who have advertised jobs.

**2.3 User Classes And Characteristics:**

The users of the system are members and the admin who maintain the system. The members are assumed to have basic knowledge of the computers and Internet browsing.

**2.4 Operating Environment:**

The Online Job portal web application will be implemented in Asp.Net and it will be hosted/deployed in free application server Firebase. Following technologies, tools and software’s will be used in Online Job portal web application.

1. Asp.Net
2. Sql Server
3. JS (JavaScript)
4. Bootstrap
5. CSS (Cascading Style Sheet)
6. HTML (Hyper Text Markup Languag)
7. Visual Studio

**2.5 Assumptions And Dependencies:**

The user should have sufficient knowledge about computers.

* The computer should have internet connection and Internet server capabilities.
* The users know the English language, as the interface will be provided in English.

**3. External Interface Requirements:**

**3.1 User Interface:**

The user interface for the software will be compatible to any browser such as Internet Explorer, Mozilla or Google Chrome by which user can access to the system.

**3.2 Hardware Interface:**

Since the application must run over the internet, all the hardware shall require to connect internet will be hardware interface for the system. As for e.g:

* Modem.
* WAN Or LAN.
* Ethernet.
* Cross-Cable.
* PC (Client Side).
* PC (Server Side).

**3.3 Software Interface:**

* **Front End Client:** Html, CSS, JavaScript
* **Web Server:** Firebase
* **Data Base Server:** Sql Server

**3.4 Communication Interface:**

The Online Job Portal system will use the HTTP protocol for communication over the internet and for the internet communication will be through TCP/IP protocol suite.

**4. Functional Requirements:**

|  |  |  |
| --- | --- | --- |
| Functional Requirements | Description | Priority |
| About the Online Job Portal | Provide a common platform for applicants and Recruiters | 1 |
| Applicant apply jobs | If applicant is login then he can apply on a job | 1 |
| Applicant profile edit | If applicant is login then he can update his profile | 1 |
| Company post jobs | If recruiter is login then it can post jobs | 1 |
| Company see applicants | Recruiter can check the number of applicants that applied on the job and can also delete the posted job. | 1 |
| Admin manage jobs | Admin can see the details of a job posted and if necessary can delete it | 1 |
| Admin manage Company | Admin can check the Company Details and if necessary can delete. | 1 |
| Admin manage applicants | Admin can check the Details and if necessary can delete the applicant. | 1 |
| Applicants Search Jobs | Applicants can search job on the basis of his/her key skills or job category. | 1 |
| Message to admin | Visitors can send message to admin | 2 |

**5. Other Non-Functional Requirements:**

**5.1 Performance Requirements:**

The product shall be based on web and has to 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. The online job portal will never break down and work consistently.

**5.2 Safety Requirements:**

There will be a backup of data for any future mishap.

**5.3 Security Requirements:**

* The job portal will provide restriction against unauthorized access.
* The user’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 user’s password. The users’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.

**5.4 Software Quality Attributes:**

Software Quality Attributes are: adaptability, availability, correctness, flexibility, interoperability, maintainability, portability, reliability, reusability, robustness, testability, and usability.

1. **Reliability:** This Website is reliable because it will be implemented in Asp.Net which is most efficient technology in recent times.
2. **Availability:** This website will be available for any user for 24/7.
3. **Correctness:** The correctness of this software system refers to:

* This system will be implemented exactly as written in documemt.

1. **Maintainability:** This Website will support changes.
2. **Modifiability:** This Website will be modifiable as it will not effect any other feature if it gets modified (add or remove features).
3. **Scalability:** This is not an scalable Website because it will not entertain a large number of visitors as is will be hosted on firebase which is not a platform of large traffic.
4. **Reusability:** This Website has many same components which are used in different parts of Website.
5. **Usability:** This Website is very easy to use as we have developed it with very easy and interactive user interface.

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