4.2. Functional requirements

4.2.1. Web Application

4.2.2. Front end

➢ Job Seeker Sign In

➢ Job Seeker Sign Up

➢ Job Seeker can view all available jobs

➢ Job seeker can search based on advanced search

➢ Advanced search can be done on role, salary, technology, etc.

➢ Job seeker can upload resume 21

➢ Job seeker can apply to more than one jobs.

➢ Job seeker can view all applied jobs.

➢ Job seeker can update their profile information.

➢ Job seeker can retrieve their password if forgot.

➢ Companies can Register to the portal.

➢ Admin approves the company registration,

➢ Companies can post jobs.

➢ Companies can see applications.

➢ Companies can see all approved jobs.

➢ Companies can download resumes uploaded.

➢ Admin can view all jobs.

➢ Admin approves the jobs posted by the company.

4.2.3. Back end

i. Database holding all data

ii. Login functionality for admins

iii. Description of privileges

iv. Add/remove admin functionality

v. Backup and restoration

vi. Security

vii. Integration

viii. Operating system and browser compatibility

4.3. Non-functional requirements

The major difference between Functional and Non-functional difference lies in two keywords. “What” and “How”. While what the system does is described by its functional requirements, how the system achieves those quality attributes are discussed by the nonfunctional requirements. The non-functional requirements focus on the scalability of the system, security of the system, reliability and maintenance of the system which are ensured by verifying and validating the system. The proposed system meets the non-functional requirements like security by several form validations and password encryptions, reliability by maintaining integrity with error messages, controlling access of the users.

4.3.1. Reliability requirements The system must perform accurately towards the administrator request. For example, when the administrator saves the edited details of the user, after he reviews the details later, they must be changed according to the latest details that was updated. Moreover, the client is not allowed to view the details that the administrator has. Besides that, the login form will have validity check to ensure that only the authorized users gain access to the system.

4.3.2. Usability requirements This system should be user-friendly and easy to use so that users can perform their tasks nicely.

4.3.3. Implementation requirements In implementing the system, it uses Netbeans as the main tool. This forms the front-end. At the back-end, the Apache and MYSQL will be synchronized and be used to maintain the information in the database. This is formed by the databases and other data stores. 4.3.4. Security requirements User credentials should be encrypted so as to ensure confidentiality, integrity and availability and the project ideas should be protected so as to avoid being stolen by other parties.