

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

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| Date | 16 October 2022 |
| Team ID | PNT2022TMID34984 |
| Project Name | Skill/Job Recommender Application |

Functional Requirements:

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|--------|-------------------------------|--|
| FR-1 | User Registration | New users need to enter their details and register in it. |
| FR-2 | User Confirmation | Confirmation mail send to the user.Email confirmation and being able to change the password using forgot password option . |
| FR-3 | Login | Only registered users are able to log into the page. |
| FR-4 | Chatbot | Users will interact with the chatbot at any time. Users can get the recommendation based on their skills. |
| FR-5 | Job Search API | We can use a job search API to get the current job opening in the market which will fetch the data directly from the web page. |

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|--|
| NFR-1 | Usability | Users can easily navigate its interface. Users can understand how the application organizes its content. Users can easily determine what a feature is and what it can do. |
| NFR-2 | Security | A security system typically grants access to accounts when users enter the correct username and password. An application may not grant access until the user creates strong password. After a certain number of login attempts , a security system may lock an account to protect a user's information from potential hackers. |
| NFR-3 | Reliability | Reliability specifies the system that is highly reliable functions with the same or similar efficiency after extensive use. The system must perform without failure in ninety percent of use cases during a month. |
| NFR-4 | Performance | Performance is a quality attribute that describes the responsiveness of the system to various user |

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| | | <p>interactions with it. Poor performance leads to negative user experience.</p> <p>The front-page load time must be no more than 2 seconds for users that access the website using an mobile connection.</p> |
| NFR-5 | Availability | <p>Availability is gauged by the period of time that the system's functionality and services are available for use with all operations. Availability requirements, the team has to define the most critical components of the system that must be available at all times.</p> <p>New module deployment mustn't impact front page, product pages, and check out pages availability and mustn't take longer than one hour.</p> <p>The rest of the pages that may experience problems must display a notification with a timer showing when the system is going to be up again.</p> |
| NFR-6 | Scalability | <p>Scalability requirements describe how the system must grow without negative influence on its performance. This means serving more users, processing more data, and doing more transactions.</p> <p>The website attendance limit must be scalable enough to support 200,000 users at a time.</p> |