

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

| | |
|---------------|---|
| Date | 03 October 2022 |
| Team ID | PNT2022TMID29391 |
| Project Name | Visualizing and Predicting Heart Diseases with an Interactive Dashboard |
| Maximum Marks | 4 Marks |

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 | Registration through Gmail Registration through Outlook |
| FR-2 | User Confirmation | Confirmation via Email |
| FR-3 | Check treatment options | Display cost of the said treatments |
| FR-4 | Check risk factors | Display tips on leading a healthy lifestyle |
| FR-5 | Use prediction tool | Enter details and when the results are shown, display the dashboard for more insights |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|--|
| NFR-1 | Usability | The website will utilise better user interface for easy navigation. The process of finding out the results will be smooth and easy for the user. |
| NFR-2 | Security | The website will be protected against SQL injection, DDoS attacks and SHA are used making the website very safe for use. |
| NFR-3 | Reliability | The tool will give accurate and reliable results most of the time. |
| NFR-4 | Performance | The website will be well optimized which includes fast rendering of the pages, providing a bug-free, smooth and hassle-free experience for the user. |
| NFR-5 | Availability | The tool will be available for users most of the time. |
| NFR-6 | Scalability | The system will be scalable enough to support a lot of users at the same time while maintaining optimal performance. |