

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

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| Date | 23 October 2022 |
| Team ID | PNT2022TMID26111 |
| Project Name | Project - 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 | Web page | → Preface of the Heart disease and the dashboard → Registration for new user and → Sign in for registered user |
| FR-2 | User Registration | → Registration through Gmail by entering the required details for registering |
| FR-3 | User Confirmation | → Confirmation via Email |
| FR-4 | User Login | → The user will enter his/her email id and password used while registering |
| FR-5 | Upload other details | → Upload the other clinical and non-clinical details that are asked for |
| FR-6 | Result | → POSITIVE- The result along with alert notification. → NEGATIVE- The result along with precautionary measures |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|--|
| NFR-1 | Usability | User friendly to access the dashboard. |
| NFR-2 | Security | Login details are shared via email on every login for confidentiality |
| NFR-3 | Reliability | Highly reliable because predictions are made using the authorized clinical reports. |
| NFR-4 | Performance | Low latency and high throughput. |
| NFR-5 | Availability | Exhibits good availability to all types of browsers. |
| NFR-6 | Scalability | It is highly scalable because it is an interactive dashboard and the website is also maintained uninterrupted. |

