Project Design Phase-II

Solution Requirements (Functional & Non-functional)

|  |  |
| --- | --- |
| Date | 03 October 2022 |
| Team ID | PNT2022TMID48272 |
| Project Name | Statistical Machine Learning Approaches to Liver Disease Prediction |
| 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 Requirement | It is mandatory |
| FR-2 | User Capturing type | It is captured in the use case. |
| FR-3 | User End-result | Product feature |
| FR-4 | User Capturing | Easy to capture |
| FR-5 | User Objective | Helps you verify the functionality of the software. |
| FR-6 | User Area of focus | Focuses on user requirement |

# Non-functional Requirements:

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | Usability | Usability is a non-functional requirement, because in its essence it doesn't specify parts of the system functionality, only how that functionality is to be perceived by the user, for instance how easy it must be to learn and how efficient it must be for carrying out user tasks. |
| NFR-2 | Security | Security is a non-functional requirement assuring all data inside the system or its part will be protected against malware attacks or unauthorized access |
| NFR-3 | Reliability | Reliability is the extent to which the software system consistently performs the specified functions without failure. ELICITATION: Reliability requirements address the user concern for the system's immunity to failure. |
| NFR-4 | Performance | Below are the product's non-functional requirements: Performance: The website's load time should not be more than one second for users. Reliability: Applicants can access their resume 98% of the time without failure. Availability: Employers can post jobs on the website throughout the week at any time during the day |
| NFR-5 | Availability | Availability describes how likely the system is accessible to a user at a given point in time. While it can be expressed as an expected percentage of successful requests, you may also define it as a percentage of time the system is accessible for operation during some time period. |
| NFR-6 | Scalability | Scalability is the ability of the application to handle an increase in workload without performance degradion, or its ability to quickly enlarge. |