Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Team id | PNT2022TMID24011 |
| Project Name | Project - Visualising and Predicting Heart diseases with an interactive dashboard |
| Maximum Marks | 4 Marks |

# Functional Requirements:

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form Registration through Gmail  Registration through LinkedIN |
| FR-2 | Account Creation | User fill Gmail and password for account creation |
| FR-3 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-4 | Personal details for account | Apart from the basic details,user need to enter details such as name,age,sex,height, weight, previous medical  records,etc |
| FR-5 | Regular medical condition updation in app | Entry present medical records, symptoms,etc |
| FR-6 | Doctor consultation | Expert doctor consultation through app |

# Non-functional Requirements:

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

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Better workflow higher accuracy. Visualising and Predicting Heart diseases with an interactive dashboard.Thanks to the fact that doctors have access to a healthcare data network via an app,the risk of a mistake is minimized.this is incorporate  make it simple for users to record their health data and access medical treatment. |
| NFR-2 | **Security** | Some data privacy risk.resistance from doctors due to perceived loss of control over care process.Lack of good quality scientific research into health impacts.this is built to keep your data secure and  product privacy.your data is encrypted and always in control your health information. |
| NFR-3 | **Reliability** | The structure must be reliable and strong in giving  the functionalities.The movements must be made unmistakable by the structure when a customer has |

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|  |  | revealed a couple of enhancements.The progressions made by the programmer must be project pioneer and in addition the Test designer. |
| NFR-4 | **Performance** | The framework will be utilised by numerous representatives all the while.Since the system will be encouraged on a single web server with a lone  database server outside of anyone’s ability to see, execution transform into a significant concern. |
| NFR-5 | **Availability** | The patient can prefer manual prediction.  There are instructions available which can predict heart disease but either they are expensive or are not efficient to calculate change of heart disease in human. Hard mathematical formulae were created  and the results were being calculated manually. |
| NFR-6 | **Scalability** | The system watching and upkeep should be fundamental and focus in its approach.There should not be an excess of occupation running on diverse  machine such that it gets hard to screen whether the employments are running without lapses. |