Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID50454 |
| Project Name | Nutrition Assistant Application |
| 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 E-mail and Phone number |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | User Profile Completion | Get personal details like height, weight, etc. |
| FR-4 | Gather meal image | Upload photo  Take live photo of the meal |
| FR-5 | Display calorie information | Integrate Clarifai API to get name of the food Integrate  Nutrition API (rapid API) to collect calorie information |

# 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** | Provide user friendly UI  Simple and intuitive design |
| NFR-2 | **Security** | Comprehensive authorization and authentication  scheme for each system actor |
| NFR-3 | **Reliability** | The system must perform without failure in  95 percent of use cases |
| NFR-4 | **Performance** | The landing page supporting several users must  provide 5 seconds or less response time |
| NFR-5 | **Availability** | Uninterrupted services must be available all time  except the time of server updation. |
| NFR-6 | **Scalability** | Provide horizontal or vertical scaling for higher  workloads |