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| **Team ID** | **PNT2022TMID49109** |
| **Project name** | **AI based Nutrient analysis and ﬁtness ethusiastics** |



FUNCTIONAL REQUIREMENTS

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| **FR NO** | **Functional**  **requirements(EPI C)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | Register | **Input data:** Name, address, phone number, email id, date of birth, gender, height,  working hours, eating habits, medical history, username and password.  **Processing step:** The user who is new to the app must register.  **Output Data:** The user has registered in the app and has valid credentials. |
| FR-2 | Login | **Input data:** E-mail id or phone number and password. Processing step: User can  now login in the app.  **Output Data:** The user can use the application and get to home screen. |
| FR-3 | choose pacakage | **Input data:** Name, offers, features, duration of the package. Processing step: The  user will select the desired package.  **Output Data:** Proceed to payment gateway. |
| FR-4 | Generate the daily  plan | **Input data:** Day of the week. Processing step: Suitable diet and exercise plan will  be made for user.  **Output Data**: Diet and exercise plan will be provided to the user. |
| FR-5 | Query | **Input data:** User query. Processing step: The user can ask for changes in plan.  **Output Data:** Updated plan (may or may not be available). |
| FR-6 | manage progress  report | **Input data:** Height, weight, working hours, eating habits, medical history  Processing step: Gathering information from database and generating report  **Output Data:** Progress report. |
| FR-7 | payment | **Input data:** Credit card number, month, year, CVV, amount. Processing step: The  payment has to be made for the selected package.  **Output data:** Status of package and conﬁrmation message. |
| FR-8 | update the details | **Input data:** Height, weight, working hours, eating habits, medical history.  **Processing step:** The details will be updated in the database.  **Output data:** Updated details of the user |
| FR-9 | Feedback | **Input data**: Reviews/suggestions.  **Processing step:** Storing in the corresponding database.  **Output data:** Feedback submitted. |

NON FUNCTIONAL REQUIREMENT

Following are the non-functional requirements of the proposed solution

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|  | **Non-Functional Requirement** | **Description** |
| NFR-1 | Usability | User must have a smartphone that  supports android 7 and later versions or ios 13 and later versions. |
| NFR-2 | security | Users will be able to access only their  personal information and not that of other users. Medical conditions and payment methods will be handled through a secure server to ensure the protection of user’s credit card and personal information. |
| NFR-3 | Reliability | The average time of failure shall be 7  days. If the app crashes then a backup should be given in 7 days. |
| NFR-4 | Performance | Any updates or detect ﬁxes shall be  made on server-side computers only without any patches required by the user. |
| NFR-5 | Availability | The dietician Swasthya App shall be  available to users 24 hours a day, 7 days a week. If the bug appears then it should be handled within 12 hours. |
| NFR-6 | Scalability | Probability of a piece of software  operating without failure while in a speciﬁed environment over a set duration of time will be 85%. |