

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

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| Date | 10 October2022 |
| Team ID | PNT2022TMID39808 |
| Project Name | Ai powered nutrition for fitness enthusiast |

FUNCTIONAL REQUIREMENTS:

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|---------------|--------------------------------------|--|
| FR-1 | User Registration | Registration through Form Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Product Master | It includes the information of the products, item no, size, categories etc. |
| FR-4 | Mobile Friendliness | An analytic tool to study the audience and inquire about their devices. Know the position of essential buttons and options on the webpages, change them accordingly for a better experience. |
| FR-5 | Price Master | Only for the price of the products and applicable discount of the products. |
| FR-6 | Transaction | It is a payment method in which the transfer of money of buying products. This process is secure and password protected. |
| FR-7 | Reporting | After ordering for the product, the system will send one copy of the bill to the customer's Email-address and another one for the system data base. |
| FR-8 | Delivery Report | List of the products that can be delivered to the customer. |
| FR-9 | Changes to cart | Changes to cart means the customer after login or registration can make order or cancel order of the product from the shopping cart. |
| FR-10 | Payment | In this system we are dealing the mode of payment by cash. We will extend this to credit card, debit card etc. in the future. |
| FR-11 | Interface aspects | Simulates and processes human conversation (either spoken or written), allowing humans to interact with digital devices as if they were communicating with a real person. |
| FR-12 | Logout | After ordering or surfing for the product customer has to logout. |

NON-FUNCTIONAL REQUIREMENTS:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|---|
| NFR-1 | Usability | Usability encapsulates the user experience. Essentially, it means the ease with which a visitor to the site can interact with it. If a site has strong usability, it provides an experience that is more comfortable and straightforward for its users to navigate. |
| NFR-2 | Security | Security comes with utmost importance if a site is dealing with monetary transactions, users' financial and sensitive data. Privacy – The control over one's personal data. Security – The attempted access to data by unauthorized others. |
| NFR-3 | Maintainability | Thriving the website maintenance from the initial development means cutting the time & cost to determine and resolve the faults of the system in the future |
| NFR-4 | Performance | The focus is on loading the e-commerce store as fast as possible regardless of the number of integrations and traffic on the website. |
| NFR-5 | Availability | It's available for 24x7 hours and in any browsers. |
| NFR-6 | Scalability | It will define how the website can grow and increase its features and functionality without impacting the performance of the website. |