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

Date	14 October 2022
Team ID	PNT2022TMID40549
Project Name	Nutrition assistant application
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	Interview pateints and and take diet histories	A variety of methods for obtaining a diet history are available, the following set of questions is designed to identify major sources of saturated fat and give the physician an overall sense of a patient's eating habits.
FR-2	Review patients for dietitic and nutritional information	Guided nutrition goal setting and patient-generated dietary intake tracking. It includes brief education on the importance of meeting energy/protein requirements in hospital and training on how to use the hospital electronic food service system, accessed via bedside computer screens.
FR-3	Assist nutrition therapist	Nutrition therapy is defined as the assessment of the nutritional status of a client followed by nutrition therapy ranging from diet modification to specialized nutritional support such as the administration of enteral and parenteral nutrition and monitoring to evaluate the patient. It is different from clinical nutrition from the fact that clinical nutrition is the application of dietician.
FR-4	General nutrition and consumer education	Nutrition education consists of activities which provide visual and verbal information and instruction to participants or participants and caregivers in a group or individual settings.
FR-5	Regarding nutrition	Food and nutrition education has a critical role in enabling access to sufficient quality and quantity of foods for households and communities. Educational seminars and resources in food and nutrition have been shown to positively affect individuals' food choices.

| FR-6 | Maintain records | Maintaining accurate records can help prevent you paying more tax than you are obliged to and improve your cash flow. Good record keeping will also help you to reduce fees if you use the services of an accountant. |

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	following a healthy diet, with a limited fat intake avoiding eating 2 – 3 hours before bedtime elevating the head of the bed before lying down avoiding wearing tight-fitting clothes avoiding heavy lifting and straining
NFR-2	Security	Avoid tightfitting clothing, which puts pressure on your abdomen and the lower esophageal sphincter. Avoid foods that trigger your heartburn. Avoid lying down after a meal. Wait 2 to 3 hours
NFR-3	Reliability	The GSRS has good reliability and construct validity and the GSRS scales discriminate by GERD symptom severity and are responsive to treatment
NFR-4	Performance	High-fat foods sit around in your belly longer. This makes your stomach produce more acid, irritating your digestive system.
NFR-5	Availability	The availability of sufficient quantities of food of appropriate quality, supplied through domestic production or imports (including food aid). Food access: Access by individuals to adequate resources (entitlements) for acquiring appropriate foods for a nutritious diet
NFR-6	Scalability	Eat a ripe banana. chew sugar-free gum. Keep a food journal and avoid trigger foods. Resist the urge to overeat or eat quickly. Avoid late meals, snacking before bed and eating before exercising.