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

Date	15th October 2022
Team ID	PNT2022TMID35762
Project Name	DEMANDEST – AI POWERED FOOD DEMAND FORECASTER
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	**Order delivery management system**	Create an account. Log in to the account. Navigate the restaurant's menu. Select a food item from the menu. Place an order and review the order.
FR-2	**Inventory/Menu Management system**	Add a new/update/delete food item to/from the menu based on trends and seasonality. Update the price for a given food item. Add/update raw materials to prevent overstocks and stockouts.
FR-3	**Permissions**	Different Locations (fulfillment centers)

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	This characteristic determines how difficult the system will be for a user to learn and use. Various points can be used to access usability.
NFR-2	**Performance**	The responsiveness of a system to various user interactions is described by this quality attribute.
NFR-3	**Security & Compliance**	By ensuring that the software and its data are protected from unauthorized access, security requirements make sure that the software is safe from unauthorized access. When a program complies with software standards, there is a reduced chance that it will have bugs, security problems, or poor design.
NFR-4	**Reliability**	Software reliability is the probability that it will work without failure over a given period of time. There is a decrease in reliability due to bugs in the code, hardware failures, and problems with other components of the system.
NFR-5	**Recoverability**	It measures how well a system will recover from crashes, hardware failures, or other catastrophic problems.
NFR-6	**Scalability**	The ability of a system to scale up without suffering performance penalties is referred to as scalability. More users will be served, more data will be processed, and more transactions will be made. In this approach, the customer benefits advantages from the analysis of their industry's data and offers predictions on daily analysis of the food that is sold, reducing food waste by forecasting its movements in sales.
NFR-7	**Availability**	All operations will make use of the services. Here, the information is easily accessible. Data is available anytime we need it.