

Project Design Phase II

Solution Requirements

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Project Name	Inventory Management System For Retailers

Functional Requirements:

Following are the functional requirements of the proposed solution:

FR NO.	Functional Requirement	Sub Requirement
FR-1	User Registration	<ul style="list-style-type: none">• Registration through Gmail• Registration through Registration Form• Registration through Google account
FR-2	User Authentication	<ul style="list-style-type: none">• Authentication via Email• Authentication via OTP
FR-3	Customer Login	<ul style="list-style-type: none">• Login via Google account• Login via Registered Email ID and Password
FR-4	Admin/Retailer Login	<ul style="list-style-type: none">• Login via Google account• Login via Registered Email ID and Password
FR-5	Send Grid Email Notification	<ul style="list-style-type: none">• Out of stock Alert
FR-6	Inventory Management	<ul style="list-style-type: none">• Digital Description of products present in ware house.• Track quantity of products present in inventory at any instant• Maintain dash board for each registered retailer

FR-7	Prediction using historical data	<ul style="list-style-type: none"> Analyze sales pattern and suggest the right quantity of stocks required. Send alert if quantity of products fall behind a certain threshold.
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Non-Functional Requirements:

FR NO.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none"> User friendly and highly responsive UI Should enable integration of accessibility services Highly portable (UI should be compatible with Desktop, Handheld devices on all browser)
NFR-2	Security	<ul style="list-style-type: none"> Customer and Retailer login credentials are verified Multiple views for Customer and retailer after authentication
NFR-3	Reliability	<ul style="list-style-type: none"> Stock quantity updates (data base) regarding out going goods should reflect instantly Datastore interactions should be accurate The out-of-stock information should be notified to the concerned authority via Email periodically.
NFR-4	Performance	<ul style="list-style-type: none"> Effective development of web application
NFR-5	Availability	<ul style="list-style-type: none"> Service hosting server down time should be negligible during upgradation Highly available service (24 X 7)
NFR-6	Scalability	<ul style="list-style-type: none"> The resources and service provided by the software should be scalable to meet the requirements of expandable customer base.