

Project Design Phase 2
Solution Requirement -(Functional & Non-Functional)

Project Domain	Cloud Application Development
Project Title	News Tracker Application
Team ID	PNT2022TMID22348
Date	16th Oct 2022

Solution Requirements:

A solution requirement is aimed at the concerns of the people who will build and deliver the solution. It tells those people what the functional and non-functional requirements for the solution will be and how the solution will deliver on the business and stakeholder requirements

➤ **Functional Requirements:**

Functional requirements are product features or functions that developers must implement to enable users to accomplish their tasks. So, it's important to make them clear both for the development team and the stakeholders. Generally, functional requirements describe system behaviour under specific conditions.

➤ **Non-functional requirements:**

Non-functional Requirements define system attributes such as security, reliability, performance, maintainability, scalability, and usability. They serve as constraints or restrictions on the design of the system across the different backlogs.

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 Registration through LinkedIn Registration through Phone number

FR-2	User Confirmation	Confirmation via OTP(Email) Confirmation via OTP(SMS)
FR-3	Transactions processing	Payment through Online
FR-4	Authentication	Through Email Through SMS
FR-5	Reporting	Through App Through Email Through SMS

Non-functional Requirements:

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

<i>FR No:</i>	<i>Non-Functional Requirement</i>	<i>Description</i>
NFR-1	Usability	24/7
NFR-2	Security	Access permissions for the particular system information may only be changed by the system's data administrator.
NFR-3	Reliability	Automatic restart and operation recovery.
NFR-4	Performance	The front-page load time must be no more than 2 seconds for users that access the website using an LTE mobile connection.
NFR-5	Availability	New module deployment mustn't impact front page, product pages, and check out pages availability and mustn't take longer than one hour. The rest of the pages that may experience problems must display a notification with a timer showing when the system is going to be up again.
NFR-6	Scalability	The website/app attendance limit must be

		scalable enough to support 200,000 users at a time.
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