

Project Design Phase 2 – Functional Requirement

Project Domain	Cloud Application Development
Project Title	News Tracker Application
Team ID	PNT2022TMID40746
Date	15th 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 mail account or mobile number
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Region	Selects user's current region or country and further local locations.
FR-4	Language Selection	Selecting up language on which the articles to viewed.
FR-5	Topic/Category Selection	Selecting topic/categories like technology, science, politics, movies, health care, space, games, etc...
FR-6	News Source Selection	Choosing up of sources from where the news articles to be displayed like msn, times now, the hindu, CNBC news, etc
FR-7	Notification preferences	Decide on which the notification can be popped up.

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Easy to use instead of reading by own read a loud option helps the user to read the contents.
NFR-2	Security	Securely verified at every stage before publishing of the contents
NFR-3	Reliability	Provides accurate new articles and news contents
NFR-4	Performance	Contents are as soon as accessible by everyone when the publisher publishes it.
NFR-5	Availability	Only available to the user if and only if the news is identified as true
NFR-6	Scalability	Easy to extend the already customized news categories simply by editing the existing one.

