

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

Date	03 October 2022
Team ID	PNT2022TMID07374
Project Name	News Tracker 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	User Installation	➤ Install the app from Google play store or from the website
FR-2	User Registration	➤ Registration through Form ➤ Registration through Gmail
FR-3	User Confirmation	➤ Confirmation via Email ➤ Confirmation via OTP
FR-3	Location based	➤ News according to user's geo-location Track the Location of the news Local and Global News
FR-4	Real time News	➤ News with real-time updates. ➤ Actively connected to Cloud and News ➤ Sources Auto update news because of the usage of API Number of comments in News
FR-5	Search based	➤ Category-Wise News ➤ Consumer interest-based News ➤ Headlines and Trending News ➤ Categorized News to help users reach content.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none">➤ Up-to-date News➤ User-friendly Application➤ Compact and Clean UI➤ Trust-worthy and reliable News➤ Cloud-based microservices➤ Interest based News➤ Filtering function➤ Searching the information➤ Specific criteria and parameters
NFR-2	Security	<ul style="list-style-type: none">➤ Authentication and password management Spam of offensive comments.➤ Safe from bots
NFR-3	Reliability	<ul style="list-style-type: none">➤ Trusted News sources➤ Instant news at any particular time➤ Location of the news
NFR-4	Performance	<ul style="list-style-type: none">➤ Relevancy based news/story shared first.➤ Keep your user's attention with list views
NFR-5	Availability	<ul style="list-style-type: none">➤ More sub-categories are available.
NFR-6	Scalability	<ul style="list-style-type: none">➤ Designing scalability tests Come up with possible user scenarios. You can modify them in various ways➤ Design a load test with a set number of virtual users➤ Run your test to simulate user requests.