

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

Date	15 October 2022
Team ID	PNT2022TMID24898
Project Name	Project – 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 Registration	<ul style="list-style-type: none">• Registration through Form• Registration through Gmail• Registration through LinkedIn
FR-2	User Confirmation	<ul style="list-style-type: none">• Confirmation via Email• Confirmation via OTP
FR-3	Searching	<ul style="list-style-type: none">• Search the news based on the user interest• User can save the news needed and study later• Showing the trending news on search
FR-4	Real time News	<ul style="list-style-type: none">• Auto update news because it fetches news from API• Use of ML algorithm for up-to-date information
FR-5	Location based	<ul style="list-style-type: none">• User can view the news near to their location• User can track the Location of the news
FR-6	User friendly	<ul style="list-style-type: none">• Push notification are meant to attract user attention by using alerts, even if it is just for a second.• Links provided to get more information on the related news.• User can get the required news by searching the context.

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">• The news is updated almost every minute, the user will always be able to view exact information that interest him/her in the moment.• Search and Filtering function will provide the users the opportunity to search for information of their interest
NFR-2	Security	<ul style="list-style-type: none">• Authentication and password management.• Personal profile is not to shared to third-party.
NFR-3	Reliability	<ul style="list-style-type: none">• Instant news at instant time• Track the location of the news• Avoid the Fake news
NFR-4	Performance	<ul style="list-style-type: none">• Show users the most relevant story first• Recommended news based on user likings• Keep users in the app for longer with related post
NFR-5	Availability	<ul style="list-style-type: none">• Provides 24/7 news service• History of the previous news that happened before related to the present news
NFR-6	Scalability	<ul style="list-style-type: none">• Get more user's by encouraging social sharing and recommending the app to new users.• Getting user feedback and make changes to keep the customer stay with the application.