

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

Date	15 October 2022
Team ID	PNT2022TMID23376
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	Registration through Form Registration through Oauth
FR-2	User Confirmation	Confirmation via OTP
FR-3	Fetch News Items	DB Registration of user Input news items into common table with PK PK mapping of news items to users
FR-4	Interactions likes,dislikes,save	PK mapping to individual interaction tables Foreign key mapping for safe deletion
FR-5	User Stickiness	L7 mapping (browser based cache system for user identification and authentication)

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Clean UI/UX Principles Less ads, faster loadtimes Providing Adequate data
NFR-2	Security	Reverse XSS , Oauth Logging and monitoring for Security Broken access control Lazy loading
NFR-3	Reliability	Consistent Load time Logging and monitoring for Flaws
NFR-4	Performance	Improving load times with local DB Language Categorization and selective requests
NFR-5	Availability	Ensuring 24/7 availability through error logging Health check
NFR-6	Scalability	Increase in container nodes L7 balancing (if required) L3 balancing