

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

Date	19 September 2022
Team ID	PNT2022TMID32556
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 Gmail
FR-2	User Confirmation	Confirmation via Google Auth
FR-3	User Login	User login with username and password Login with Gmail
FR-4	User Interface	User goes through the filtered news provided by application
FR-5	User Account Settings	User can update account credentials, update interests and choices of news and report any issues

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	<p>The application is easily navigable, it has an interface which is user-friendly. The login/register page has simple terms which can be filled by a user who has not done it before. The user interface navigates the user to the Home page and asks for interests.</p> <p>The settings can be quickly accessed by the user by going to the account settings, where the credentials and interests can be changed anytime.</p>

NFR-2	<b>Security</b>	The application uses Google OAuth 2.0 / Auth0 for User authentication.
NFR-3	<b>Reliability</b>	The application should be able to perform without failure in 95 percent of all use cases during a month since the IBM cloud doesn't face down time so often.
NFR-4	<b>Performance</b>	The application's news feed page has a loading time of 6 seconds.
NFR-5	<b>Availability</b>	The application must be available to the users at least 99% of the time in a month.
NFR-6	<b>Scalability</b>	The application should be able to handle upto 10,000 users at a time considering the cloud factors.