

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

Date	14 November 2022
TeamID	PNT2022TMID31164
ProjectName	Project-NewsTrackerApplication
MaximumMarks	4Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FRNo.	Functional Requirement (Epic)	SubRequirement (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 interest and choices of news and report any issues

Non-functional Requirements:

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

FRNo.	Non-Functional Requirement	Description
NFR-1	Usability	<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	Security	The application uses Google OAuth 2.0/Auth0 for User authentication.
NFR-3	Reliability	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 downtime so often.
NFR-4	Performance	The application's news feed page has a loading time of 6 seconds.
NFR-5	Availability	The application must be available to the users at least 99% of the time in a month.
NFR-6	Scalability	The application should be able to handle up to 10,000 users at a time considering the cloud factors.