Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	18 October 2022
Team ID	PNT2022TMID22947
Project name	News Tracker Application
Maximum marks	4 Marks

Functional Requirements:

The functional requirements of the proposed solution are as follows:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Gmail Registration using Login /Sign Up form
FR-2	User Confirmation	Confirmation via Google Authentication/Mail
FR-3	User Login	User login with username and password Login or with Gmail
FR-4	User Interface	User goes through the filtered news provided by application as per their interest
FR-5	User Account Settings	User can update account credentials, personal Information, interests and choices of news and can report any issues

Non-functional Requirements:

The non-functional requirements of the proposed solution are as follows:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	This application is easily navigable which is suitable from young to old people which enhance the user-friendly experience All possible actions can be easily accessed so that user can effectively spend their time of learning about the information
NFR-2	Security	The application uses Google OAuth 2.0 / Auth0 for User authentication
NFR-3	Reliability	The application could be able to handle requests without failure in 95 percent of all use cases since the IBM cloud is reliable doesn't face down time so often
NFR-4	Performance	The application's Home Page/News feed page has a loading time of 5-6 seconds.
NFR-5	Availability	The application must be available to the users at least 99% of the time in a month.
NFR-6	Scalability	Considering the cloud factors the application should be able to handle upto 10,000 users at a time