

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

Date	08 October 2022
Team ID	PNT2022TMID18417
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 online application.
FR-2	User Confirmation	- Confirmation via Email.
FR-3	User login	- Login through browser. - Authenticate the validity.
FR-4	User interaction	- Done through user interface between client and server. - Navigation Bar. - IBM Chatbot

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">- News Feed access to all the article and genre available.
NFR-2	Security	<ul style="list-style-type: none">- Hashing the username and password of users at the backend to resist attack.
NFR-3	Reliability	<ul style="list-style-type: none">- How often does the system experience critical failures?- How much time does it take to fix the issue when it arise?
NFR-4	Performance	<ul style="list-style-type: none">- Performance is the core non-functional requirements.- It determines how fast a software system or a particular piece of it responds to certain user actions.- Inmost cases, this metric explains how long a user must wait before the target operation happens (the page rendering, a transaction is processing, etc.) given the multitenancy.- It is important to make front-end as and backend as smooth as fast as possible.

NFR-5	Availability	<ul style="list-style-type: none"> - Availability describes how likely the system is accessible to a user at a given point in time. - Availability is an important facet in any application and it is ideal to have 24/7 access and only under server maintenance we should be blocking the users from access.
NFR-6	Scalability	<ul style="list-style-type: none"> - Our application should be able to scale up when the situation intend us too meet the demand. - Be it in case of processing prowess or in case of handling multitenancy.