

**Project Design Phase-II**  
**Functional & Non-functional Requirements**

Date	17 October 2022
Team ID	PNT2022TMID48446
Project Name	News Tracker Application
Maximum Marks	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

<b>FR No.</b>	<b>Functional Requirement (Epic)</b>	<b>Sub Requirement (Story / Sub-Task)</b>
FR-1	User Registration	Registration through online application Registration through website
FR-2	User Confirmation	Confirmation via Email
FR-3	User login	Login through browser directly by entering username and password Login through email
FR-4	User interaction	Done through user interface between client and server View the related news by subscribed or requested page

### **Non-functional Requirements:**

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

<b>FR No.</b>	<b>Non-Functional Requirement</b>	<b>Description</b>
NFR- 1	<b>Usability</b>	End users can receive daily updates for new content on a site's news feed
NFR-2	<b>Security</b>	How well are the system and its data protected against attacks
NFR- 3	<b>Performance</b>	Performance is the core non-functional requirements which no system can do without it. It defines how fast a software system or a particular piece of it responds to certain users actions under a certain workload. At most in every case, this metric explains how long a user must wait before the target operation happens to give the overall number of users at the moment.

NFR-4	<b>Availability</b>	Availability describes how likely the system is accessible to a user at a given point in time. While it can be expressed as an expected percentage of successful requests, you may also define it as a percentage of time the system is accessible for operation during some time period. For instance, the system may be available 98 percent of the time during a month. Availability is perhaps the most business-critical requirement, but to define it, you also must have estimations for reliability and maintainability.
NFR- 5	<b>Scalability</b>	Scalability assesses the highest workloads under which the system will still meet the performance requirements. There are two ways to enable your system scale as the workloads get higher: horizontal and vertical scaling.