

Project Design Phase-II
Functional & Non-functional Requirements

Date	17 October 2022
Team ID	PNT2022TMID27418
Project Name	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 Registration through Gmail 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.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	End users can receive push updates for new content on a site by subscribing to the site's news feed
NFR-2	Security	How well are the system and its data protected against attacks
NFR-3	Performance	<p>Performance is the core non-functional requirements 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. Almost 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.</p> <p>However it's not always like that.</p> <p>Performance requirements may describe in background</p>

		processes invisible to users, e.g. backup. But let's focus on user-centric performance.
NFR-4	Availability	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	Scalability	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.