

Solution Requirements (Functional & Non-Functional)

Date	09 November 2022
Team ID	PNT2022TMID04044
Project Name	News Tracker Application
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	<ul style="list-style-type: none">• Registration through online application• Registration through Gmail• Registration through website
FR-2	User Confirmation	<ul style="list-style-type: none">• Confirmation via Email• Confirmation via OTP
FR-3	User login	<ul style="list-style-type: none">• Login through browser directly by entering username and password• Login through email
FR-4	User interaction	<ul style="list-style-type: none">• Done through user interface between client and server• View the related news by subscribed or requested page

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	By subscribing to the website's news feed, end users can receive push notifications for new information on the site.
NFR- 2	Security	How well are the system and its data protected against attacks
NFR-3	Reliability	<ul style="list-style-type: none">• How frequently do the system's critical failures occur?• How long does it take to resolve the problem once it occurs?• And how does downtime compare to user availability time?
NFR-4	Performance	The primary non-functional criteria that every system must have is performance. It specifies how quickly a software system or a specific component of it reacts to specific user actions while handling a specific workload. Given the current user base as a whole, this statistic often indicates how long a user must wait before the goal operation occurs (the page renders, a transaction is executed, etc.). But it isn't always the case.

		Performance specifications could list unnoticed by user's background tasks like backup. Let's instead concentrate on user-centric performance..
NFR-5	Availability	<p>Availability refers to the likelihood that a user will be able to use the system at a specific time. You can define it as a percentage of the time the system is available for operation within a given timeperiod, while it can also be represented as an expected percentage of requests that are successful. For instance, during a month, the system might be accessible 98% of thetime.</p> <p>Perhaps the most important businessrequirement is availability, but to define it,you also need to have estimates for dependability and maintainability.</p>
NFR-6	Scalability	<p>Scalability measures the highest workloads that the system can handle while still delivering the required levels of performance. When workloads increase, your system can grow vertically or horizontally using one of two methods.</p>