

PROJECT DESIGN PHASE-2

FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS

Date	15 October 2022
Team ID	PNT2022TMID30665
Project Name	NEWS TRACKER APPLICATION
Maximum Marks	4 Marks

Functional Requirements

- Admin Login

In this module, the admin can log in to the system using his/ her username and password. The overall process maintains and monitoring by the admin.

- News API

News API is a simple JSON-based REST API for searching and retrieving news articles from all over the web. Using this, one can fetch the top stories running on a news website or can search top news on a specific topic (or keyword).

- User Registration

There is registration form available where new user can create their account by providing required information to the system. The registration form details are like name, email, gender, mobile number, address, and etc. These details are stored in the database. And then can getting to the username and password in the system. After the login process the user can login the system using his/ her user name and password.

- Search news

In this module used to the user can search the news information after the login process.

- Recommend news

The system will be recommending the news based on the user search.

Non - Functional Requirements

Usability

The system shall allow the users to access the system with pc using web application. The system uses a web application as an interface. The system is user friendly which makes the system easy

Availability

The system is available 100% for the user and is used 24 hrs a day and 365 days a year. The system shall be operational 24 hours a day and 7 days a week.

Scalability

Scalability is the measure of a system's ability to increase or decrease in performance and cost in response to changes in application and system processing demands.

Security

A security requirement is a statement of needed security functionality that ensures one of many different security properties of software is being satisfied.

Performance

The information is refreshed depending upon whether some updates have occurred or not in the application. The system shall respond to the member in not less than two seconds from the time of the request submittal. The system shall be allowed to take more time when doing large processing jobs. Responses to view information shall take no longer than 5 seconds to appear on the screen.

Reliability

The system has to be 100% reliable due to the importance of data and the damages that can be caused by incorrect or incomplete data. The system will run 7 days a week. 24 hours a day.