

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	03 October 2022
Team ID	PNT2022TMID34024
Project Name	Smart fashion recommendation system
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 Form Registration through Gmail Registration through LinkedIn.
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP.
FR-3	Filter Option	The user can filter the news based on their interests by using the filter option.
FR-4	Search Option	The user has the ability to look for news pertaining to a specific topic using the search option.
FR-5	All news feed displayed	The user will see the most recent news that was fetched from the API.
FR-6	Edit profile	When necessary, the user may modify the information in their profile.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Recommender Systems are often used to solve different complex problems in this scenario, such as social fashion-based recommendations, product recommendations, or size and fit recommendations.
NFR-2	Security	If a security threat occurs between the user and the store access path the intruder might modify the users' ratings; if it occurs in between the store and database the intruder might modify the similarity and aggregate computation; and if it occurs in between the database and recommender server or in between the recommender server and the user the intruder might falsify the entire recommendation process.
NFR-3	Reliability	Factors affecting the reliability of user review-to-rating conversion are studied. A confidence level is computed for ratings produced from user reviews.

NFR-4	Performance	However, the use of additional diagnostic metrics and visualisations can offer deeper and sometimes surprising insights into a model's performance.
NFR-5	Availability	The item availability A_i is the average likelihood of recommendation over all users who have item i as a target.
NFR-6	Scalability	Scalability is a key factor when determining which type of recommender systems to use. More complex systems need more people, potentially harder to hire, to build/maintain with a larger hardware cost. It can be a long-term commitment, and so business should understand the incremental business gain vs.