

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	19 October 2023
Project Name	IP Collectible Hub

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 and Authentication	Users should be able to create an account with a unique username and password.
FR-2	Browse and Search Collectibles	Users should be able to browse a catalog of IP collectibles.
FR-3	User Profiles	Users should have customizable profiles with options to add a profile picture and personal information.
FR-4	Collectible Listings	Creators should be able to create listings for their IP collectibles, including details, images, and asking prices.
FR-5	Community Engagement	Users should be able to participate in discussions and forums related to IP collectibles.
FR-6	Notifications	Users should receive notifications for various activities, such as new listings, trade requests, and forum updates.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The user interface should be intuitive, easy to navigate, and aesthetically pleasing to enhance user satisfaction.
NFR-2	Security	All user data, including personal information and transaction data, should be encrypted in transit and at rest.
NFR-3	Reliability	Regularly back up the platform's data to prevent data loss in the event of hardware failures or other issues.
NFR-4	Performance	Ensure that the platform responds quickly to user interactions, with an emphasis on minimizing loading times for content and images.
NFR-5	Availability	Ensure high availability by using redundant servers, failover mechanisms, and load balancing to minimize downtime.
NFR-6	Scalability	Design the platform to scale horizontally by adding more servers or instances as user traffic increases.