

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

Date	03 October 2022
Team ID	PNT2022TMID53061
Project Name	Project - Personal Expense Tracker
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	Delete Account	Confirmation via Email Confirmation via Password
FR-4	Transaction summary	Weekly Transactions Monthly Transactions
FR-5	Budget Carryover	Option to move the leftover budget to next month.
FR-6	Summary/Report	Based on categories and priorities. Inputs/Feedback based on spends.
FR-7	Mitigate Manual Errors	Using API's make note of online transactions and classify them.
FR-8	Prevent Data Loss	Replication Sharding
FR-9	Visualisation of expenses	Using visualisation tools to display the expense split

Non-functional Requirements

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system shall be user-friendly and can be used easily by the masses.
NFR-2	Security	The system shall only permit authorized users to access the system. The system shall prevent unauthorized users from entering the system.
NFR-3	Reliability	The system shall be in the operational mode for at least 320 days in a year. In case of failure, the system shall be able to recover in under 5 seconds.
NFR-4	Performance	The system shall be able to record a user's expense as input, process and display it in under 2 seconds.
NFR-5	Availability	The system shall be available for public use as long as it remains operational.
NFR-6	Scalability	The system shall be accessible to over 10,000 concurrent users without any loss of performance.