

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

Date	03 October 2022
Team ID	PNT2022TMID14542
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 and Login	Registration through Form Registration through Gmail
FR-2	Add Transactions	Storing category, amount and the date time of the expense.
FR-3	Transaction history	Showing Transaction history with edit and delete features.
FR-4	Daily Line Chart	Line chart display
FR-5	Comparison bar chart	Comparing different categories and their expenses.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Application has a user friendly GUI which motivates the users to record their expenses easily.
NFR-2	Security	Authentication and authorization mechanisms for uploading and retrieving expense details.
NFR-3	Reliability	Documents uploaded to the application are stored in ibm object storage which is highly secured and available.
NFR-4	Performance	Optimised performance through caching requests and static files which leads to faster loading of website.
NFR-5	Availability	Deployed in IBM Kubernetes cloud service which supports backup and restoration to the cloud
NFR-6	Scalability	Deployed in IBM Kubernetes cloud service