

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

Date	03 October 2022
Team ID	PNT2022TMID15893
Project Name	Personal Expense Tracker IBM-Project-23937-1659933802
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
FR-2	User Confirmation	Confirmation via Email
FR-3	User Login	Authentication
FR-4	Dashboard	Small graph previews, news updates, monthly savings and expense previews.
FR-5	Navigation Side Menu	Nav buttons to all modules, Sign out, Settings and profile module
FR-6	Expense Tracker Module	Add Expense, Delete Expense, Modify Expense, View Expenditure Graph,
FR-7	Remainders Module	Add Remainder, Add Recurring Expense Payment Remainder, Add Loan Remainders
FR-8	Savings and Finance Module	Add Monthly income, Modify monthly income, Add Other sources of income, View Savings graph
FR-9	User Profile Module	Edit User Profile
FR-10	Settings Module	Edit settings

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The solution is easy to use as the UI is made to be accessible and user-friendly. Easy navigation is provided through an integrated sidemenu and chatbot assistance.
NFR-2	Security	Application is highly secure as all data is encrypted using a secure encryption algorithm and user data is accessible only on authentication.
NFR-3	Reliability	Application is highly reliable as it is deployed with IBM cloud assistance.

NFR-4	Performance	Performance is stable and smooth as it is very light weight application built with flask.
NFR-5	Availability	It is available easily as it is deployed on the internet.
NFR-6	Scalability	Application is scalable as it uses IBM cloud resources and microservices architecture. Extensions and modifications are done easily.