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

Date	17 October 2022
Team ID	PNT2022TMID07222
Project Name	Personal expense tracker application
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 Confirmation via OTP
FR-3	User login	Login through Email and Password
FR-4	Dashboard	Graph previews, Monthly savings and Expense previews.
FR-5	Navigation Side Menu	Navigation 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 Reminder, Add Recurring Expense Payment Remainder, Add Loan Remainders
FR-8	Graph,Pie Chart,Bar representation	the Graph/Pie Chart/Bar Chartwhich will help the users to visualize the budget

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	It is used to track and manage user's expenses.Easy navigation is provided through an integrated side menu.
NFR-2	**Security**	The security and the integrity of data is done by providing a password login system for each authorized user. Application is highly secure as all data is encrypted using a secure encryption algorithm
NFR-3	**Reliability**	Application is highly reliable as it is deployed with IBM cloud assistance.The user information and complaints are stored carefully. There is no risk and loss of data.
NFR-4	**Performance**	Performance is stable and smooth as it is very light weight application built with flask framework.

NFR-5	**Availability**	Available all the time as it is deployed in IBM Cloud Servers.
NFR-6	**Scalability**	Application is scalable as it uses IBM cloud resources and microservices architecture..Kubernetes cluster will manage the scalability parts by creating new pods in the cluster whenever required.