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

Date	03 October 2022
Team ID	PNT20222TMID53089
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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User login	Login through OTP
FR-4	View expenses	Current expenses can be viewed through expenses dashboard
FR-5	Add new expense	New expenses can be added in offline mode, but will be reflected to the server only when online. Provision to add Tags, Amount, Date
FR-6	Delete expense	Expense can be easily deleted and the new balance will be refreshed immediately
FR-7	Sorting	The app allows users to sort their expenses in many views namely, Daily, weekly, monthly and yearly
FR-8	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 application will be user-friendly with a good UI and smooth operation without any glitches
NFR-2	**Security**	Access to the application will be through OTP on the registered mobile phone. Data stored in IBM cloud will be protected by IBM encryption standards
NFR-3	**Reliability**	The system shall be in 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 performance of the application will not degrade even upon high-stress loads
NFR-5	**Availability**	The application will not experience downtime and will strive to be online on all days
NFR-6	**Scalability**	The project will be scalable to include more functionality in the future