

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

Date	13 October 2022
Team ID	PNT2022TMID15282
Project Name	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	User Login	Using Username and Password. Verifying through OTP or E-mail.
FR-4	User Balance Initialization	Allows user to enter through App's UI
FR-5	Add Bills	Allow users to add bills through Apps's UI and store in Database.
FR-6	Add an Expense	Get list of expenses for calculation
FR-7	Update an expense	Allow users to edit the expenses.
FR-8	Delete an expense	Allows users to delete if they don't want as well as in the database.
FR-9	Track expense	Can Track expenses to reduce expenditure.
FR-10	Add a Periodic Expense	Allow to add periodic expenses
FR-11	Add a delayed Expense	Allow to add delayed expenses.
FR-12	Monthly expenditure Limit	Users can set a limit and act accordingly. So an alert will be sent if the amount exceeds the limit.
FR-13	get pie-chart	Can get a pie-chart about the overall expenses.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Provides an eye catching UI that is easy to use and provides vibrant colored icons.

NFR-2	<b>Security</b>	Provide more security by keeping and storing users data with two step authentication.
NFR-3	<b>Reliability</b>	All Transactions and actions are independent and follow the ACID properties.
NFR-4	<b>Performance</b>	Retrieval of information will be fast and provide more security.
NFR-5	<b>Availability</b>	Applications will be available for users 24/7,if provided internet access.
NFR-6	<b>Scalability</b>	As this is a Cloud Based application,CPU time is on demand.