

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

Date	21-10-2022
Team ID	PNT2022TMID51120
Project Name	Personal Expense Tracker
Maximum Marks	4 Marks

**Functional Requirements:**

These are the requirements that the end user specifically demands as basic facilities that the system should offer. All these functionalities need to be necessarily incorporated into the system as a part of the contract. These are represented or stated in the form of input to be given to the system, the operation performed and the output expected. They are basically the requirements stated by the user which one can see directly in the final product, unlike the non-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 Email Account
FR-2	User Confirmation	Confirmation via Email
FR-3	Calendar	Personal expense tracker application must allow user to add the data to their expenses.
FR-4	Graphical Representation	This application should graphically represent the expense in the form of report.
FR-5	Report Generation	Graphical representation of report must be generated.
FR-6	Category	This application shall allow users to add categories of their expenses.

**Non-functional Requirements:**

These are basically the quality constraints that the system must satisfy according to the project contract. The priority or extent to which these factors are implemented varies from one project to other. They are also called non-behavioural requirements.

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Helps to keep an accurate record and track of their income and expenses easily.
NFR-2	<b>Security</b>	We save the password in the encrypted form so it will add more secure to the application user.
NFR-3	<b>Reliability</b>	Each data record is stored on a well-built efficient database schema. There is no risk of data loss.
NFR-4	<b>Performance</b>	Expense kinds include categories and an option. The system's throughput is boosted because to the lightweight database support.
NFR-5	<b>Availability</b>	User can able to access the application with the help of the internet throw the web browser.
NFR-6	<b>Scalability</b>	The ability to appropriately handle increasing demands.