

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

Date	16 October 2022
Team ID	PNT2022TMID03120
Project Name	Project - 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 Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Multiple login	Many users can log in by using separate mail identities. Also, using the mail identity, the user can log into any device.
FR-4	Alerting the user	A limit must be set on the amount of money to be spent. Whenever the user exceeds the limit, he will be notified through mail or text message.
FR-5	Reporting	An analysis on the expenses should be done. Based on the analysis, a detailed report (in any graphical form) must be generated to help the user in accounting and budgeting.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The interface must be user friendly that makes it easy to use for all types of users. The basic features must be available free of cost to users.
NFR-2	<b>Security</b>	The application should have multi-factor authentication when logging in. Also, banking data must be secured by some encryption technology.
NFR-3	<b>Reliability</b>	The transaction must rollback if there is any technical or network issue. The data must be saved when updation of data fails in between the process. Even if there is a failure, it should be restored within a few minutes.

NFR-4	<b>Performance</b>	The application must not take more than 30 seconds to load. The response time should be quick even when there is heavy traffic.
NFR-5	<b>Availability</b>	When the app is being updated,except for the module that is being updated,the rest can be used.
NFR-6	<b>Scalability</b>	The app must be designed to work efficiently even when there is heavy traffic.