

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

Date	19 October 2022
Team ID	PNT2022TMID22147
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 Wallet Page	Track and watch expenses through graph
FR-4	User add expense	Add through another web page
FR-5	Alert user	Alert the user through automated send grid mail system

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Simple see and do, icon and small description based interactive UI with virtual assistant.
NFR-2	<b>Security</b>	User login with a high strong password and also planned two step authentication.
NFR-3	<b>Reliability</b>	It will work and give results on time and will operate in a good environment without failure
NFR-4	<b>Performance</b>	It is loaded in a docker container so the speed of loading is high since it's a light weight process.
NFR-5	<b>Availability</b>	There are less dependencies between process layers. So portability is high..
NFR-6	<b>Scalability</b>	We are able to add more users. The workloads are handled through IBM cloud CLI.