

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

Date	29-October 2022
Team ID	PNT2022TMID10256
Project Name	Personal Expense Tracker Application (Cloud Based)
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement	Sub Requirement
1	User Registration	Registration through Form, Registration through Gmail.
2	User Confirmation	Confirmation via Email.
3	User Data	Data gathered in the application server is saved in the high security cloud server.
4	Alert Notification	Alert messages through the Email.
5	User Monthly Budget Plan	Setting Monthly budget to manage their expenses.
6	Cloud Data Storage	To save the user valuable data high security cloud storage line IBM Cloud are used.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
1	Usability	Effectiveness, efficiency, and overall experience of the user interacting with our application should be maximized.
2	Security	Authentication, authorization, encryption of the data must be done in the application.
3	Reliability	Probability of error in the operations in a specified environment for a specified time should be minimized.
4	Performance	How the application is functioning accurately and effectively the application is to the end-users.
5	Availability	Using Cloud Storage and database, application reliability and the user satisfaction will affect the solution
6	Scalability	Capacity of the application to handle growth, especially in handling more users.