

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

DATE	15 OCTOBER 2022
TEAM ID	PNT2022TMID11609
PROJECT NAME	PROJECT-Personal Expense Tracker
MARKS	4Marks

Functional Requirements:

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 Application Registration through Gmail Registration through LinkedIn Registration is the process of the user to complete the application's form. Certain details must be submitted such as e-mail address, password, and password confirmation. The user is identified using these details.
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP The login screen is used to verify the identity of the user. The account can be accessed using the user's registered email address and password.
FR-3	User monthly expense tentative data	Data to be registered in the app On the main page, we can see overall revenue and spending, as well as the balance remaining after expenditure, as well as the user's entire categories namely Entertainment, Cloth, Food and Drinks, Health and Fitness and so on.
FR-4	User monthly expenditure data	Data to be registered in the app The user can upload the monthly expensive details what they are spending on each month. The details such as cloth,entertainment,food, health,travel expenses etc.,
FR-5	View Expensive Chart	This module used to see a pictorial depiction of all details in the form of a pie chart, where each slice of the pie chart represents that the viewer to gain an approximate notion of which category has the highest expenses.
FR-6	Alert/ Notification	Alert through E-mail Alert through SMS When a user attempts to spend more than the predefined amount limit, the app will automatically send an alert if the threshold amount they selected for an alert is exceeded.
FR-7	User Budget Plan	Planning and Tracking of user expense vs budget limit.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<p>Helps to keep an accurate record of your income and expenses.</p> <p>The system shall allow the users to access the system with pc using web application. The system uses a web application as an interface. The system is user friendly which makes the system easy.</p>
NFR-2	Security	<p>Budget tracking apps are considered very safe from those who commit cyber crimes.</p> <p>A security requirement is a statement of needed security functionality that ensures one of many different security properties of software is being satisfied.</p>
NFR-3	Reliability	<p>Each data record is stored on a well built efficient database schema. There is no risk of data loss.</p> <p>The system has to be 100% reliable due to the importance of data and the damages that can be caused by incorrect or incomplete data. The system will run 7 days a week. 24 hours a day.</p>
NFR-4	Performance	<p>The information is refreshed depending upon whether some updates have occurred or not in the application. The system shall respond to the member in not less than two seconds from the time of the request submittal. The system shall be allowed to take more time when doing large processing jobs.</p>
NFR-5	Availability	<p>Without near 100% availability, application reliability and the user satisfaction will affect the solution.</p> <p>The system is available 100% for the user and is used 24 hrs a day and 365 days a year.</p>
NFR-6	Scalability	<p>Capacity of the application to handle growth, especially in handling more users.</p> <p>Scalability is the measure of a system's ability to increase or decrease in performance and cost in response to changes in application and system processing demands.</p>