

**Project Design Phase – II**  
**Solution Requirements (Functional and Non-Functional)**

<b>Date</b>	12 October 2022
<b>Team ID</b>	PNT2022TMID12557
<b>Project Name</b>	Personal Expense Tracker
<b>Maximum Marks</b>	4 Marks

**Functional Requirements:**

The functional requirements of the proposed solution are as follows,

<b>S No.</b>	<b>Functional Requirement</b>	<b>Sub Requirement</b>
1	Registration	Registration through registration form.  Registration through One-Tap Google Sign-in.
2	Login	Login using the correct credentials.
3	Add and updating expenses to various categories	Easily track expense information for each category.  Easy updating everyday and keep a check on the upper bound.
4	Monthly Expense Report Generation	Quickly produce reports for single or multiple category.  Monthly reports will help in tracking annual expense  A track of the most expensive and least expensive month could be kept.
5	Alert email/ Remainder	Remainder to update and add every day's expenses  Alert when upper bound is reached

6	Logout	<p>Logout when the updating and reviewing of the day's expense is done</p> <p>Can login again with user credentials to use the app</p>
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### Non-Functional Requirements:

The non-functional requirements of the proposed solution are as follows,

S No.	Non-Functional Requirement	Description
1	Usability	<p>The UI should be accessible to everybody despite of diversity in languages.</p> <p>People with some impairments should also be able to use the application with ease. (Example, integrate google assistant so that blind people can use it).</p> <p>The app and UI should be platform and device independent. It should be compatible with wide range of devices possible.</p>
2	Security	<p>The security requirements deal with the primary security. Only authorized users can access the system with their credentials.</p> <p>Administrator or the concerned security team should be alerted on any unauthorized access or data breaches so as to rectify it immediately.</p>
3	Reliability	<p>The software should be able to connect to the database in the event of the server being down due to a hardware or software failure.</p>

		<p>The recovery of the application should be immediate such that the downtime of the application should be negligible.</p> <p>The users must be intimated by the periodic maintenance break of the server so that they will be aware of it.</p>
4	Performance	Performance of the app should be reliable with high-end servers on which the software is running.
5	Availability	<p>The software should be available to the users 24/7 with all functionalities working.</p> <p>New module deployment should not impact the availability of existing modules and their functionalities.</p>
6	Scalability	The whole software deployed must be easily scalable as the customer base increases.