

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

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|---------------|------------------------------------|
| Date | 03 October 2022 |
| Team ID | PNT2022TMID45221 |
| Project Name | Project - Personal Expense Tracker |
| 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 Email/SignUp Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Add expenses | Enter the everyday expenses Split it into categories(example : food, petrol,movies) |
| FR-4 | Reminder mail | Sending reminder mail on target Reminder for approvers to approve pending reports. |
| FR-5 | Creating Graphs | Graphs showing everyday and weekly expenses. Categorical graphs on expenditure. |
| FR-6 | Add salary | Users must enter the salary at the start of the month. |
| FR-7 | Export CSV | User can export the raw data of their expenditure as CSV |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|--|
| NFR-1 | Usability | Helps to keep an accurate record of your income and expenses. |
| NFR-2 | Security | Budget tracking apps are considered very safe from those who commit cyber crimes |
| NFR-3 | Reliability | Each data record is stored on a well built efficient database schema. There is no risk of data loss |
| NFR-4 | Performance | The types of expense are categories along with an option. Throughput of the system is increased due to light weight database support |
| NFR-5 | Availability | With load balancing and multiple container instances, the service is always available. |
| NFR-6 | Scalability | Docker and Kubernetes are designed to accommodate scaling based on need |