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

| Date | 14 October 2022 |
|---|---|
| Team ID | PNT2022TMID14518 |
| Project Name | 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 Form<br>Social logins such as,<br>   Registration through Gmail<br>   Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email<br>Confirmation via OTP |
| FR-3 | User Login | Login through Form |
| FR-4 | Reset Password | Sending OTP to Email<br>Sending OTP to Phone Number |
| FR-5 | Dashboard | Add Expense<br>Add Income<br>Set Limit/Budget |
| FR-6 | Insights | Preview Expenditure Plan<br>Graphical chart creation |
| FR-7 | User Logout | No sub requirement |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | **Usability** | The error rate of users submitting their details at the dashboard page mustn't exceed 10 percent. |
| NFR-2 | **Security** | In case of buying the personalized plans, the payment processing gateway must be PCI DSS compliant. |
| NFR-3 | **Reliability** | The web application must perform in 90% of the use cases |
| NFR-4 | **Performance** | The landing page supporting 5,000 users per hour must provide 6 second or less response time in a Chrome desktop browser, including the rendering of text and images over an LTE connection. |
| NFR-5 | **Availability** | The expense tracker dashboard must be available to its users (in India) 99.99% of the time every month during business hours |

| NFR-6 | **Scalability** | Horizontal scaling is provided by adding more machines to the pool of servers. Vertical scaling is achieved by adding more CPU and RAM to the existing machines. The system must be scalable enough to support 1,000,000 visits at the same time while maintaining optimal performance. |
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