# PROJECT DESIGN PHASE-II

**SOLUTION REQUIREMENTS (FUNCTIONAL & NON-FUNCTIONAL)**

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID02774 |
| Project Name | Personal Expense Tracker |
| Maximum Marks | 4 Marks |

# Functional Requirements:

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | Be aware of daily expenditures | *Enter amount spent* |
| FR-2 | Generate visually appealing charts | *Notify users periodically to update their expenses* |
| FR-3 | Categorize credit and debit transactions | *Always looks for credit/debit threshold* |
| FR-4 | Prompt to not exceed the threshold amount | *Send email alerts if the user is on the verge of exceeding the threshold* |
| FR-5 | Show ways to minimize expense in the most spent area | *Constantly look for patterns from previous expenses to improve accuracy* |

# Non-functional Requirements:

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

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | *The UI/UX must be visually appealing and pleasing to the senses with proper placements of primitive elements.* |
| NFR-2 | **Security** | *Completely safe and private as user’s*  *data is neither shared nor utilized for any other secondary purposes.* |
| NFR-3 | **Reliability** | *The application is guaranteed to give non-*  *erroneous results at most instances.* |
| NFR-4 | **Performance** | *The application is entirely robust to handle the incoming traffic even if there occurs an unexpected surge.* |
| NFR-5 | **Availability** | *The application does not fail to keep track of the expenses that have been entered* |
| NFR-6 | **Scalability** | *The system must be scalable enough to support a few thousand visits simultaneously while maintaining optimal*  *performance.* |