# Project Design Phase-II

**Solution Requirements (Functional & Non-functional)**

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| Date | 16 October 2022 |
| Team ID | PNT2022TMID13990 |
| 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 | User Registration | Registration through Form  Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email |
| FR-3 | User Login | Authentication |
| FR-4 | Dashboard | Small graph previews, news updates, monthly savings  and expense previews. |
| FR-5 | Navigation Side Menu | Nav buttons to all modules, Sign out, Settings and  profile module |
| FR-6 | Expense Tracker Module | Add Expense, Delete Expense, Modify Expense, View  Expenditure Graph, |
| FR-7 | Remainders Module | Add Remainder, Add Recurring Expense Payment  Remainder, Add Loan Remainders |
| FR-8 | Savings and Finance Module | Add Monthly income, Modify monthly income, Add  Other sources of income, View Savings graph |
| FR-9 | User Profile Module | Edit User Profile |
| FR-10 | Settings Module | Edit settings |

## 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 solution is easy to use as the UI is made to be accessible and user-friendly. Easy navigation is provided through an integrated side menu and  chatbot assistance. |
| NFR-2 | **Security** | The application is highly secure as all data is encrypted using a secure encryption algorithm and user data is accessible only on authentication. |
| NFR-3 | **Reliability** | The application is highly reliable as it is deployed with  IBM cloud assistance. |
| NFR-4 | **Performance** | Performance is stable and smooth as it is very light  weight application built with flask. |
| NFR-5 | **Availability** | It is available easily as it is deployed on the internet. |
| NFR-6 | **Scalability** | The application is scalable as it uses IBM cloud resources and microservices architecture. Extensions and modifications are done easily. |