

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

| | |
|---------------|--|
| Date | 03 October 2022 |
| Team ID | IBM-Project-54078-1661588783 |
| Project Name | Project – Personal Expense Tracker Application |
| Maximum Marks | 4 Marks |

Functional Requirements:

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|---|
| NFR-1 | Usability | Most web browsers allow users to access the application. The application's attractive and detailed user interface makes it easier to use. It makes it easier for you to monitor your earnings and expenses. |
| NFR-2 | Security | Customers are required to set up an account for themselves using their email, which is secured by a longer password of six characters. This application might prevent you from engaging in online crimes. |
| NFR-3 | Reliability | Each data record is kept in an effective database schema that is well built. No chance of data loss exists. |

| | | |
|-------|--------------------|--|
| NFR-4 | Performance | Expense types include categories and an option. The system's throughput is increased thanks to the lightweight database support. |
|-------|--------------------|--|

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|--------|-------------------------------|---|
| FR-1 | User Registration | Registration Form for collecting details. |
| FR-2 | User Login | Enter username and password. |
| FR-3 | Forget Password | Resetting the password by sending an OTP to user's mail. |
| FR-4 | Calendar | Personal expense tracker application must allow user to add the data to their expenses. |
| FR-6 | Dashboard | User can add the expense and can evaluate them using the provided options. |
| FR-5 | Expense Tracker | This application must graphically represent the expense like report. |
| FR-6 | Report generation | Report must be generated in a graphical form. |
| FR-7 | Category | This application shall allow users to add categories of their expenses. |
| FR-8 | Result Page | Show the user result. |

Non-functional Requirements:

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

| | | |
|-------|---------------------|--|
| NFR-5 | Availability | Since it is hosted on IBM cloud, the application is accessible round-the-clock. The programme must operate continuously. |
| NFR-6 | Scalability | Being able to handle increasing demands in an appropriate manner. |