**Project Design Phase-II**

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

|  |  |
| --- | --- |
| Date | 19 October 2022 |
| Team ID | PNT2022TMIDxxxxxx |
| Project Name | Project – 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  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Login | User can enter the Username and Password to login to the site |
| FR-4 | Display Window | It is split into two screens. The right screen lists the user’s records. The left is the control panel. A user may view his claims. |
| FR-4 | My Status | this displays total expenses for that user. |
| FR-5 | Add Record | It allows user to add new record |
| FR-6 | Delete Record | User can delete the record whenever neccessary |
| FR-7 | Modify Record | it allows the user to edit the details of his records. |

**Non-functional Requirements:**

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Expense Tracker is highly reusable. The application can be modified for just about anything! |
| NFR-2 | **Security** | Authentication, Authorization, Encryption, Logging, Application security testing. |
| NFR-3 | **Reliability** | Highly reliable in a properly secured environment. |
| NFR-4 | **Performance** | Application performance monitoring (APM) |
| NFR-5 | **Availability** | Overall application uptime and downtime |
| NFR-6 | **Scalability** | Global scalability using IBM Cloud |