**Project Design Phase-II**

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

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| --- | --- |
| Date | 15 April 2025 |
| Team ID | SWTID1743947156 |
| Project Name | 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  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | |  | | --- | | Expense Management |  |  | | --- | |  | | - Add Expense  - Edit/Delete Expense  - Categorize Expenses |
| FR-4 | |  | | --- | | Dashboard & Analytics |  |  | | --- | |  | | |  | | --- | |  |  |  | | --- | | - View Expense Summary  - View Graphs/Charts by Category/Date | |
| FR-5 | User Authentication | - Login with Email & Password  - Session Persistence  - Logout |
| FR-6 | Backend Integration | - RESTful API Endpoints for all operations |
| FR-7 | |  | | --- | | Deployment |  |  | | --- | |  | | |  | | --- | |  |  |  | | --- | | - Live deployment with working frontend & backend | |

**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** | Interface should be clean, intuitive, and easy to use for all users |
| NFR-2 | **Security** | User data must be encrypted; authentication must be secure (JWT/Auth) |
| NFR-3 | **Reliability** | The app should be available without crashes or interruptions |
| NFR-4 | **Performance** | Application should load in under 2 seconds with optimized API responses |
| NFR-5 | **Availability** | 99.5% uptime on deployed hosting platforms |
| NFR-6 | **Scalability** | Should support increasing number of users and expanding features in future |