**Project Design Phase-II**

**Solu on Requirements (Func onal & Non-func onal)**

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| Date | 13 October 2022 |
| Team ID | PNT2022TMID25031 |
| Project Name | Personal Expense Tracker |
| Maximum Marks | 4 Marks |

**Func onal Requirements:**

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| --- | --- | --- |
| **FR No.** | **Non-Func onal Requirement** | **Descrip on** |
| NFR-1 | **Usability** | Provides an eye catching UI that is easy to use and provides vibrant colored icons. |

Following are the func onal requirements of the proposed solu on.

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| --- | --- | --- |
| **FR No.** | **Func onal Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registra on | Registra on through Form  Registra on through Gmail  Registra on through LinkedIN |
| FR-2 | User Confirma on | Confirma on via Email Confirma on via OTP |
| FR-3 | User Login | Using Username and Password.  Verifying through OTP or E-mail. |
| FR-4 | User Balance Ini aliza on | Allows user to enter through App’s UI |
| FR-5 | Add Bills | Allow users to add bills through Apps’s UI and store in Database. |
| FR-6 | Add an Expense | Get list of expenses for calcula on |
| FR-7 | Update an expense | Allow users to edit the expenses. |
| FR-8 | Delete an expense | Allows users to delete if they don’t want as well as in the database. |
| FR-9 | Track expense | Can Track expenses to reduce expenditure. |
| FR-10 | Add a Periodic Expense | Allow to add periodic expenses |
| FR-11 | Add a delayed Expense | Allow to add delayed expenses. |
| FR-12 | Monthly expenditure Limit | Users can set a limit and act accordingly.So an alert will be sent if the amount exceeds the limit. |
| FR-13 | get pie-chart | Can get a pie-chart about the overall expenses. |

**Non-func onal Requirements:**

Following are the non-func onal requirements of the proposed solu on.

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| --- | --- | --- |
| NFR-2 | **Security** | Provide more security by keeping and storing users data with two step authen ca on. |
| NFR-3 | **Reliability** | All Transac ons and ac ons are independent and follow the ACID proper es. |
| NFR-4 | **Performance** | Retrieval of informa on will be fast and provide more security. |
| NFR-5 | **Availability** | Applica ons will be available for users 24/7,if provided internet access. |
| NFR-6 | **Scalability** | As this is a Cloud Based applica on,CPU me is on demand. |