**Project Design Phase-II**

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

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| --- | --- |
| Date | 03 October 2022 |
| Team ID | PNT2022TMID51917 |
| Project Name | Personal Expenses Tracker |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

➢ A functional requirement defines a function of a system or its component, where a function

is described as a specification of behaviour between inputs and outputs.

➢ It specifies “what should the software system do?”

➢ It is mandatory

➢ Defined at a component level

➢ Usually easy to define

➢ Helps you verify the functionality of the software

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 | Forgot Password | Resetting the password by sending an OTP to user’s  mail |
| FR-4 | User Login | Login through Login form |
| FR - 5 | Dashboard | User can add the expense and can evaluate them using the provided options |
| FR - 6 | Result Page | Shows the user result |

**Non-functional Requirements:**

➢ A non-functional requirement defines the quality attribute of a software system

➢ It places constraint on “How should the software system fulfil the functional requirements?"

➢ It is not mandatory

➢ Applied to system as a whole

➢ Usually more difficult to define

➢ Helps you verify the performance of the software

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

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| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Customers can use the application in almost all the web  browsers. Application is with good looking and detailed  UI, which makes it more friendly to use. |
| NFR-2 | **Security** | Customers are asked to create an account for  themselves using their email which is protected with an  8 character-long password, making it more secure. |
| NFR-3 | **Reliability** | If customer face any problem , then they can sent queries messages |
| NFR-4 | **Performance** | Customers will have a smooth experience while using  the application, as it is simple and is well optimised. |
| NFR-5 | **Availability** | Application is available 24/7 as it is hosted on IBM  Cloud |
| NFR-6 | **Scalability** | In future, may be cross-platform mobile applications  can be developed as the user base grows. |