

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

Date	14 October 2022
Team ID	PNT2022TMID09631
Project Name	Personal Expense 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.

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.

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.