

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

Date	05 October 2022
Team ID	PNT2022TMID51918
Project Name	Project – 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

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Signup form (customer)
FR-2	Forgot Password	Resetting the password by sending an OTP to user's mail (customer, agent, admin)
FR-3	User Login	Login through Login form (customer, agent, user)
FR-4	Agent creation (admin)	Create an agent profile with username, email and password
FR-5	Dashboard (User)	Show the User to enter the details of their expense details.
FR-6	Dashboard (User)	Show the User the expenditure analysis on the month.
FR-7	Dashboard (User)	Allows the user to edit their expenses.
FR-8	Budget creation (User)	User can able to set their budget limit on monthly basis.
FR-9	Expense Breaker	Shows the user for the expense breakdown based on their daily life activities and payments.
FR-10	Expense by date	Shows the user how expense is added and calculated by the date entered.

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

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	Customers can raise their queries and will be replied with a valid reply, as soon as possible, making the application even more reliable and trust-worthy.
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.