

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	03 October 2022
Team ID	PNT2022TMID50843
Project Name	Safety Gadget for child safety monitoring and notification
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User guidance	Guides user to know complete information about the workflows performed by the system , defines the functionality of the product, product feature, Focus on user requirement ,which involves the explanation importance of choosing our product.
FR-2	User Confirmation	If they type in their username and password and click submit the users credentials are validated using gmail,mobile OTP through message and if it is correct they are logged in and can access the webin case of forgetting password the can recover the account through their provided login credentials
FR-3	User registration	The registration may be manual based on data entered by the user. There are two steps 1.Initially sign in (first time registration) 2.login(for every usual attempts)
FR-4	User compliance to laws and regulation	Conforming to a rule, such as a specification, policy, standard or law. Regulatory compliance describes the goal that organizations aspire to achieve in their efforts to ensure that they are aware of and take steps to comply with relevant laws, policies, and regulations, guidelines and specifications relevant to its business processes
FR-5	Customer(user) care	Best customer service and guidance is provided by providing contact info(GMAIL & TELE NO) in the official website .Performance Qualification,Validation Plans services are also provide etc (all customer issues validated)

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	App usage monitoring, real time location tracking.
NFR-2	Security	Wear smart watches , micro GPS tracking,web camera etc..
NFR-3	Reliability	GPS tracker allow to share their location.
NFR-4	Performance	Guardians will receive an alert call using GSM.
NFR-5	Availability	Micro GPS tracking.
NFR-6	Scalability	GPS tracking data matches the travelled route for a bike, a car, and a bus for which the route, the speed, and the altitude are pre-set within the experiment.