
Non Functional Requirements

Usability :

Some previous studies have been included for designing the IoT-based child security smart band. It assists parents to monitor their children remotely. In case situations happen, notifications will be sent to parents so that actions can be taken. Through this, child safety can be ensured and crime rate will be reduced.

Security :

The system also consists of Wi-Fi module used to implement IoT and send all the monitored parameters to the cloud for android app monitoring on parental phone. Panic alert system is used during panic situations alerts are sent to the parental phone, seeking for help also the alert parameters are updated to the cloud.

Availability :

Gone are the days when buying a GPS enabled Wearable Device for kids was considered a luxury. Today, however, the scenario is different. There are plenty of options readily available. It is easy to buy a smart watch for kids of your choice online. What's more, these magnificent tech gadgets don't burn a big hole in your pockets and make up for an affordable buy. Now a smart watch is just a click away! Besides ,these smart-watches lend a style statement to your fashion conscious kids.

Reliability :

Reliability is the probability and percentage of the software performing without failure for a specific number of uses or amount of time. This feature defines the amount of time the system is running, the time it takes to repair a fault, and the time between lapses.

Scalability :

Non-functional Requirements capture conditions that do not directly relate to the behavior or functionality of the solution, but rather describe environmental conditions under which the solution must remain effective or qualities that the systems must have. They are also known as quality or supplementary requirements.

Functional Requirements

Software Requirement :

Python IDLE

Hardware Requirement :

- * RAM
- * Minimum 4GB Processor
- * Min.Configuration OS
- * Windows/Linux/MAC

Operational Requirement :

Operational requirements describe the non-business characteristics of an application.

Functional Process Requirement :

Process requirements describe what the application must do. Process requirements relate the entities and attributes from the data requirements to the users needs.

Data requirements :

Describe the data requirements by producing a logical data model, which consists of entity relationship diagrams, entity definitions, and attribute definitions