

Project Design Phase-II

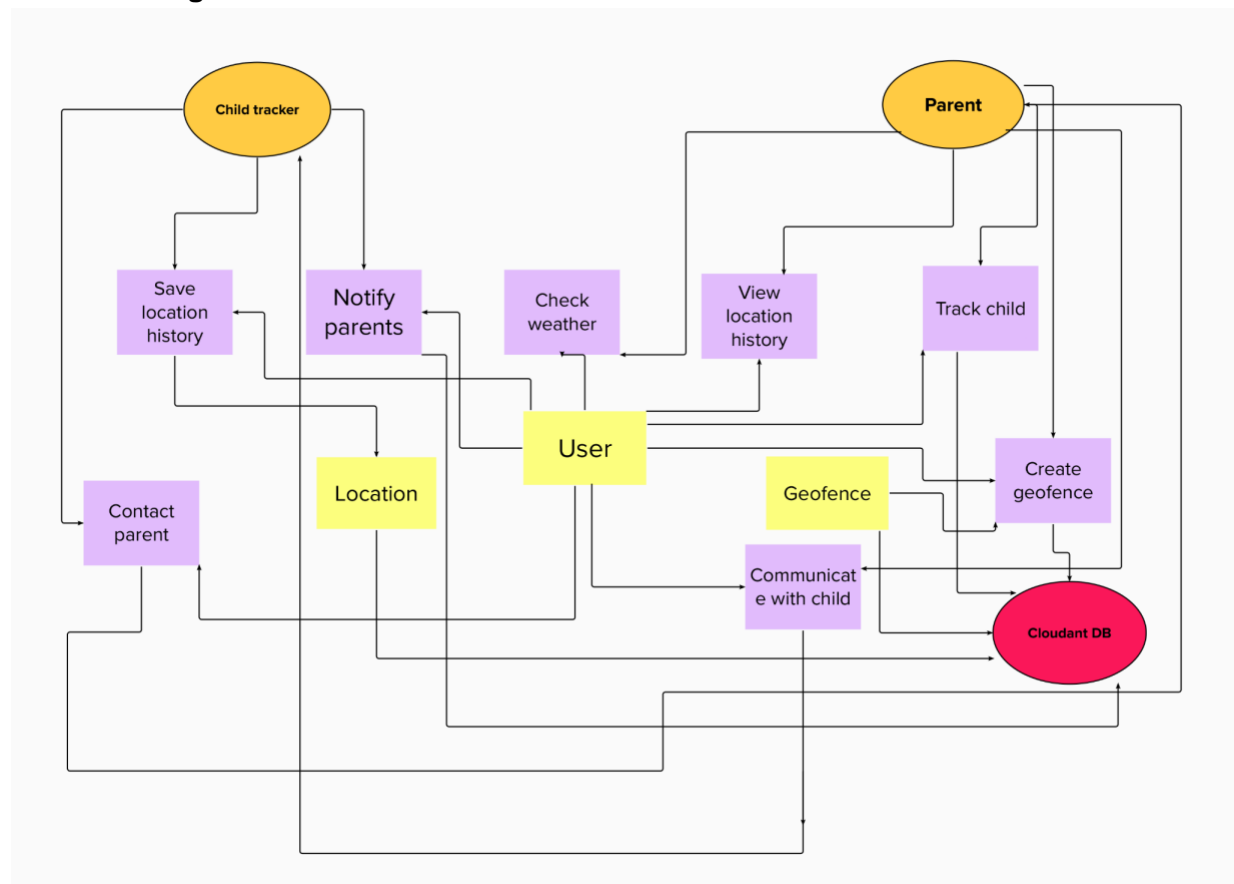
Data Flow Diagram & User Stories

| | |
|---------------|--|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID01197 |
| Project Name | IoT Based Safety Gadget for Child Safety Monitoring and Notification |
| Maximum Marks | 4 Marks |

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Data flow diagram :



User Stories

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|-----------|-------------------------------|-------------------|---|--|----------|----------|
| Parent | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | I can access my account / dashboard | High | Sprint-1 |
| | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | I can receive confirmation email & click confirm | High | Sprint-1 |
| | | USN-3 | As a user, I can register for the application through Gmail | | Medium | Sprint-1 |
| | Login | USN-4 | As a user, I can log into the application by entering email & password | | High | Sprint-1 |
| | Dashboard | USN-5 | As a user , I need to be able to view the functions that I can perform | | High | Sprint-1 |
| Child | Notification | USN-1 | As a user , I should be able to notify my parent in emergency situations | | High | Sprint-2 |
| | Store data | USN-2 | As a user , I need to continuously store my location data into the db. | | Medium | Sprint-2 |
| | Communication | USN-3 | I should be able to communicate with my parents | | Low | Sprint-3 |