Case Study: Kids Monitoring App

Use case Diagram:

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Kids Monitoring App.

- make kid's profile
- monitoring activities
- Analyzing activities.
- Generate report
- notify when alarmed.
- management
- receive notification

User/ parent

Admin
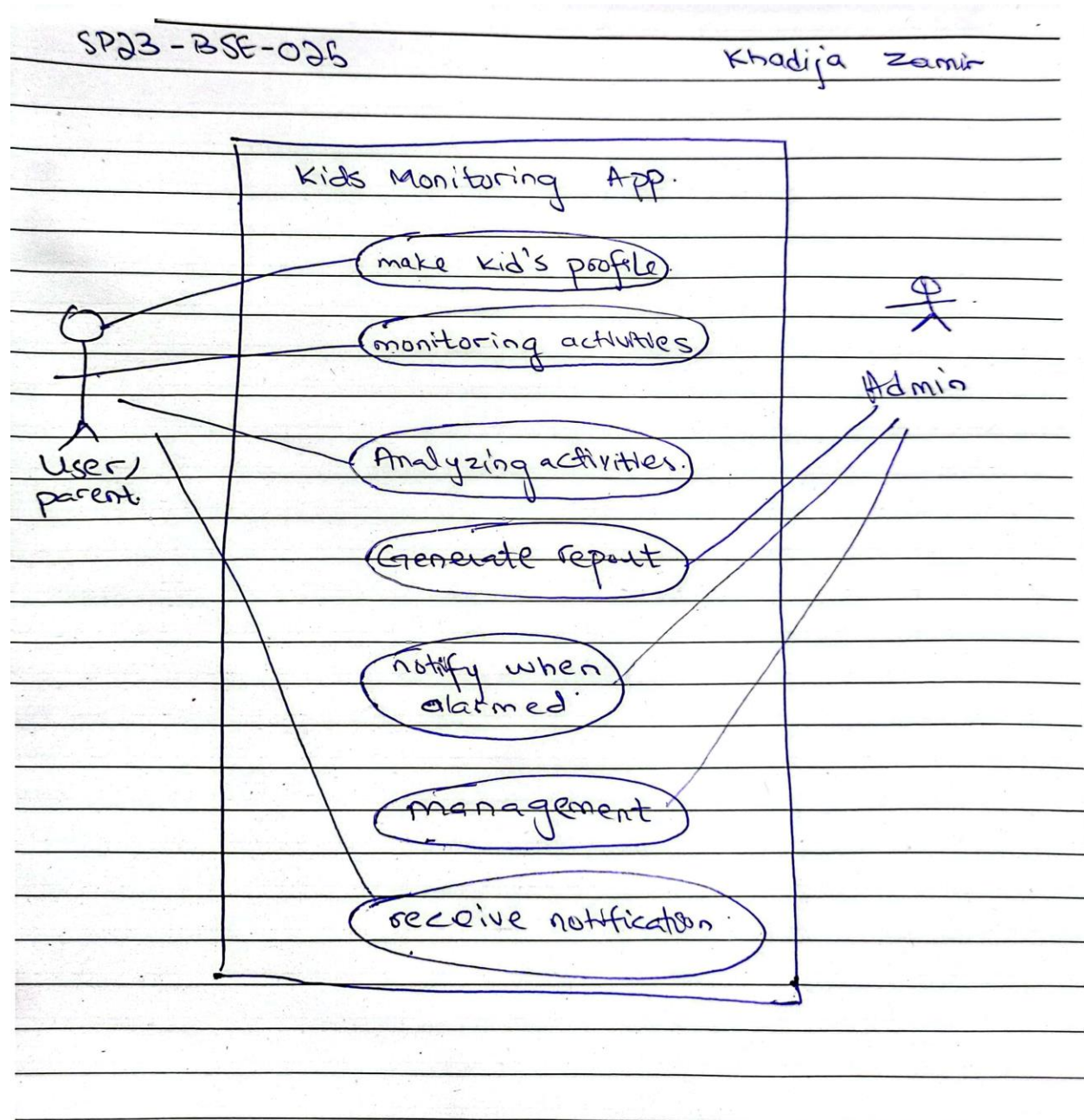
Use case: Receive Notification

Communication Diagram:
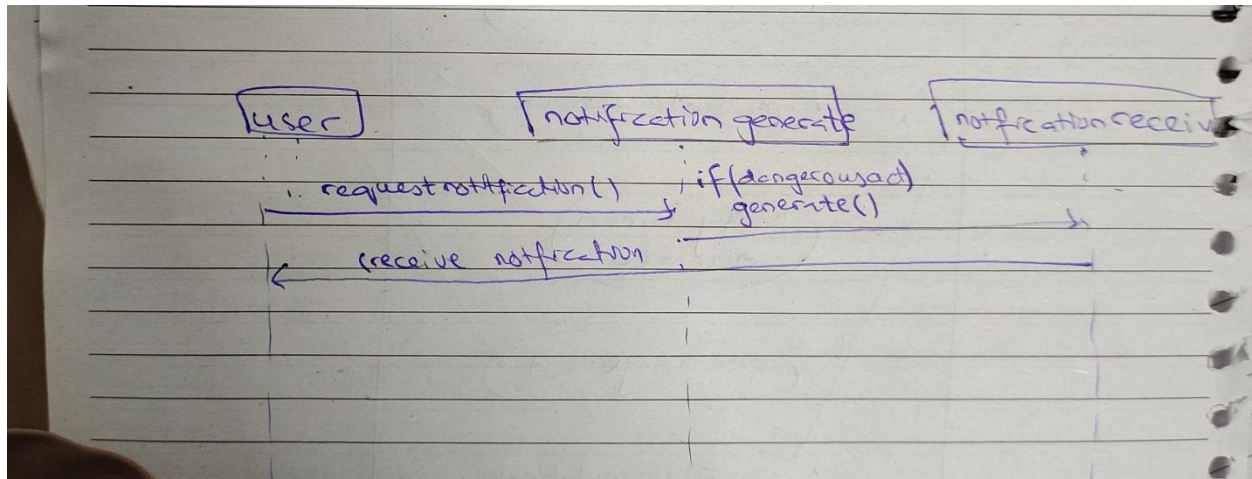
Principle:

Using low coupling and high cohesion principle for better management of components. The generation and receiving of notification will be in separate component.

Pattern:

The observer pattern best suits the scenario as the observer will be notified if dangerous activity is detected.