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Design Pattern: Observer Pattern

Reason: The app needs to **react to real-time changes** (like location updates, app usage, or device activity).

The **Observer Pattern** allows components (like the parent dashboard) to automatically update whenever the monitored child's data changes.

GRASP Principle

Controller:

Reason:

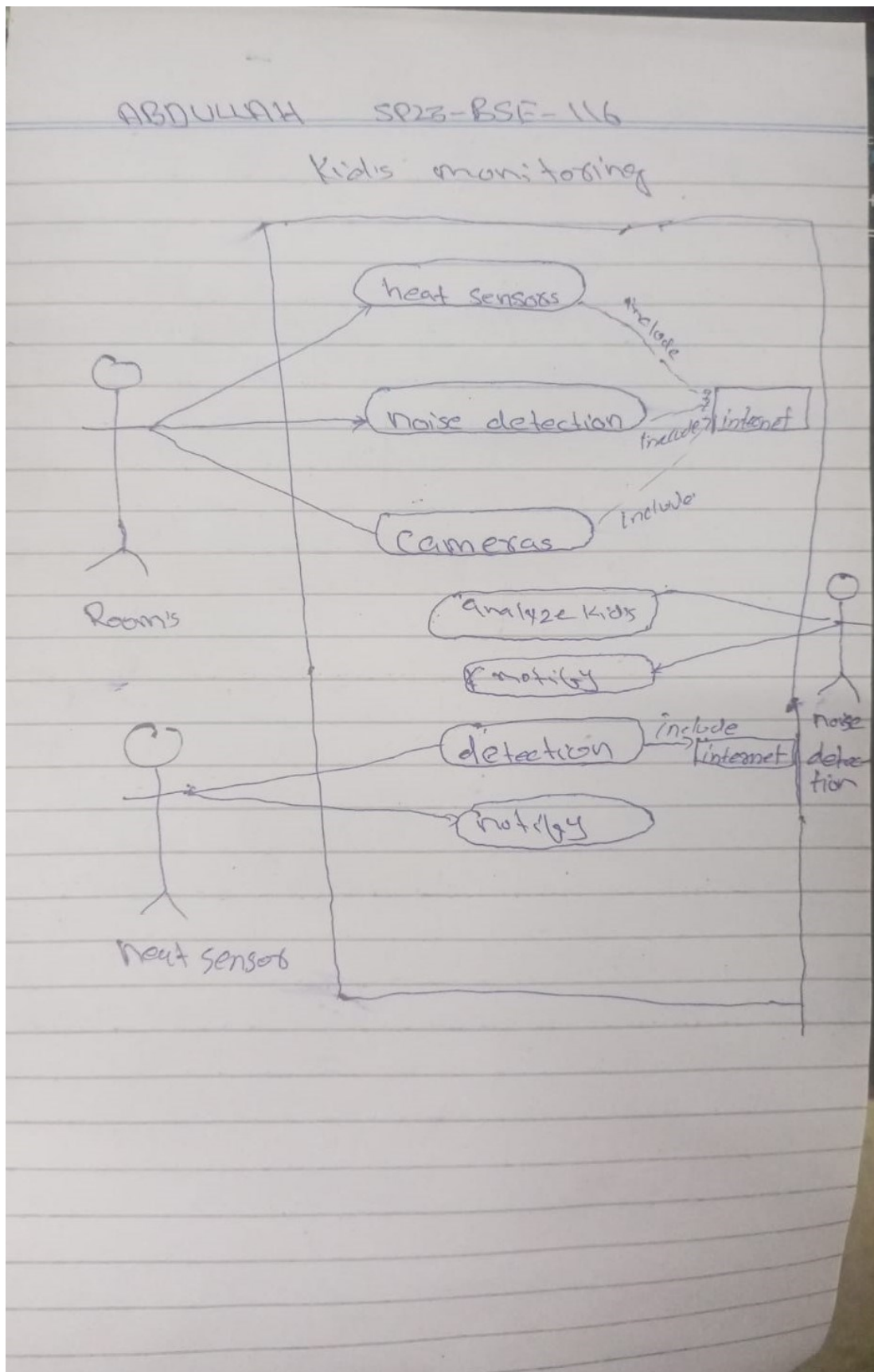
The **Controller** handles user input and coordinates between the view (UI) and the model (data). It's perfect for separating logic — for example, handling “Block App” or “Send Alert” actions based on data received.

Low Coupling:

Reason:

Low Coupling keeps components independent, which makes the app easier to maintain, test, and scale.

Use case:



Communication Diagram:

