

## **Smart Personal Health Record Tracker**

Group No: 36

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The following UML class diagram represents the data structure of the **Smart Personal Health Record Tracker** mobile application. The system is centered around the **User** entity, which stores basic user details and serves as the link to all medical reports. The medical reports include **FBS**, **FBC**, **Lipid Profile**, **Liver Profile**, **Urine Report** and **Blood Pressure**, each containing essential test parameters and an optional field for uploading scanned report images. To reduce user input effort, FBC, Liver Profile, and Urine Report are simplified to include only key indicators. The **Reports** table aggregates individual test reports into a single analysis record, storing references to all relevant tests, a summary of the analysis, the report date, and an optional uploaded image. This design allows users to track their health over time, view historical analyses, and efficiently manage their personal health records while maintaining flexibility and scalability in data storage.

## UML Diagram

