

Name: Saachi Raheja

Class: D15B

Roll: 50

MPL Lab 1
“CrimeTrack”

Crime Reporting App

Problem Statement

Reporting crimes should be secure and anonymous. Users need a simple and private way to report crimes, ensuring their personal information is not revealed.

Description

The **Crime Reporting App** allows users to securely log in via **Firestore Authentication** and submit crime reports anonymously. Users' personal information is never stored in the reports, ensuring privacy. The app supports reporting, viewing, editing, and deleting crime reports, all while keeping the user's identity private.

Technology Stack

- **Frontend:** Flutter framework (Dart)
- **Backend:** Firestore for storing crime reports
- **Authentication:** Firestore Authentication for secure login

Key Features

1. **Login Required:** Users must log in before reporting or viewing crimes (using email or social login).
2. **Anonymous Crime Reporting:** Users submit reports without revealing personal details.
3. **View, Edit, Delete Reports:** Users can view and manage their own reports, but without displaying personal data.
4. **Law Info:** Basic legal information for each crime type (e.g., "Robbery: Up to 10 years in prison").

5. **Privacy Ensured:** No personal details are linked to reports; only crime-related data is stored.

Firestore Setup

- **Firestore:** Stores crime reports with crime-related data only.
- **Authentication:** Users log in securely via Firebase Authentication.

Basic Flow

1. **Login:** Secure user login (email or social).
2. **Create Report:** Submit an anonymous crime report.
3. **View Reports:** View submitted reports without personal info.
4. **Edit/Delete:** Users can manage their own reports.

Conclusion

The **Crime Reporting App** provides a secure platform for users to report crimes anonymously while ensuring their personal details remain private. Built with **Flutter** and **Firebase**, it focuses on user privacy and easy crime reporting.