Caseflow Management - Project Report

# Project Overview

The Android Caseflow Management application is designed to manage legal or business cases efficiently. This SDK-based project ensures streamlined workflows and organized data handling.

# Core Components & Architecture

* Authentication System:
  + • Custom AuthManager class
  + • SharedPreferences for data persistence
  + • Login/Logout functionality
  + • User session and registration management
* Data Models:
  + • Case data model
  + • GSON for JSON handling
* UI Components:
  + • Activities (Login, Main), RecyclerView
  + • Material Design components, dialogs

# Key Features & Concepts

* User Management:
  + • Email/password authentication, secure sessions
  + • Persistent login, SharedPreferences
* Case Management:
  + • CRUD operations
  + • Priority levels (High, Medium, Low), status tracking
  + • Case filtering & organization
* UI/UX Features:
  + • Material Design, responsive layouts
  + • Pull-to-refresh, FAB, CardView, Toasts

# Android Concepts Used

Activity lifecycle, RecyclerView with ViewHolder, Adapters, Menus, Dialogs, Scroll listeners, Material Components (CardView, Buttons, AlertDialogs, Chips, TextInputs, etc.), and Navigation Flow.