

Project Description & Analysis

Project Description

The Movie Discovery App is a modern, native Android application built with Kotlin and Jetpack Compose. It allows users to browse, discover, and search for movies by fetching real-time data from a public API (TMDB). The app emphasizes modern Android development practices, including declarative UI, clean architecture, security, and unit testing.

Strengths of the Project

- Built with modern technologies (Kotlin, Jetpack Compose).
- Implements Clean Architecture principles.
- Provides smooth and user-friendly UI with Material Design.
- Real-time data fetching from TMDB API.
- Expandable for future features (recommendations, AI suggestions).

Why this Project will Compete in the Market

The Movie Discovery App offers a modern, fast, and intuitive experience for movie lovers. Unlike many existing apps, it is designed with the latest Android tools (Jetpack Compose) and follows clean architecture for scalability. With strong UI/UX design and the ability to expand with personalized recommendations, the app has the potential to compete with other movie browsing applications in the market.

Functional Requirements

- User Authentication (Login, Sign Up)
- Browse Popular and Top Rated Movies
- Search Movies by Title
- View Movie Details (Title, Synopsis, Rating, Release Date)
- Watch Movie Trailer
- Add/Remove Movies from Favorites
- Error Handling (No Internet, Empty Results)