

Description

LeafBoard is a modern, interactive task management mobile app designed to enable users to effectively organize and track their activities. The application was developed with Android Studio using Kotlin, putting all the major building blocks of modern Android development in one place and seamlessly presenting an intuitive user experience.

Key Features:

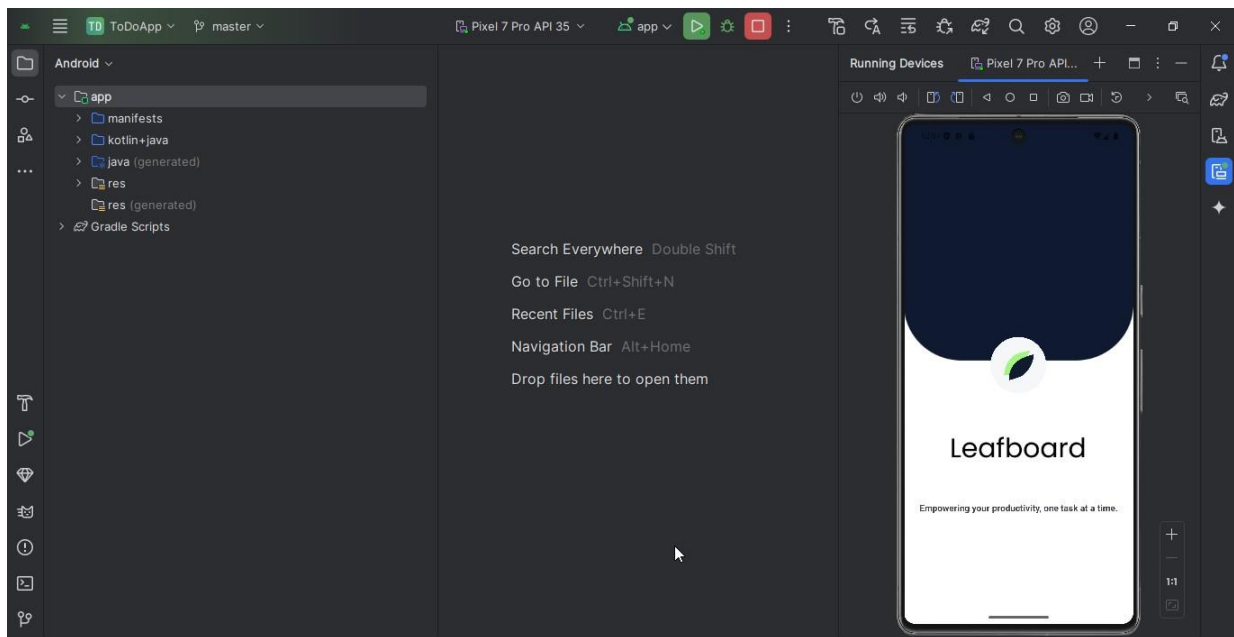
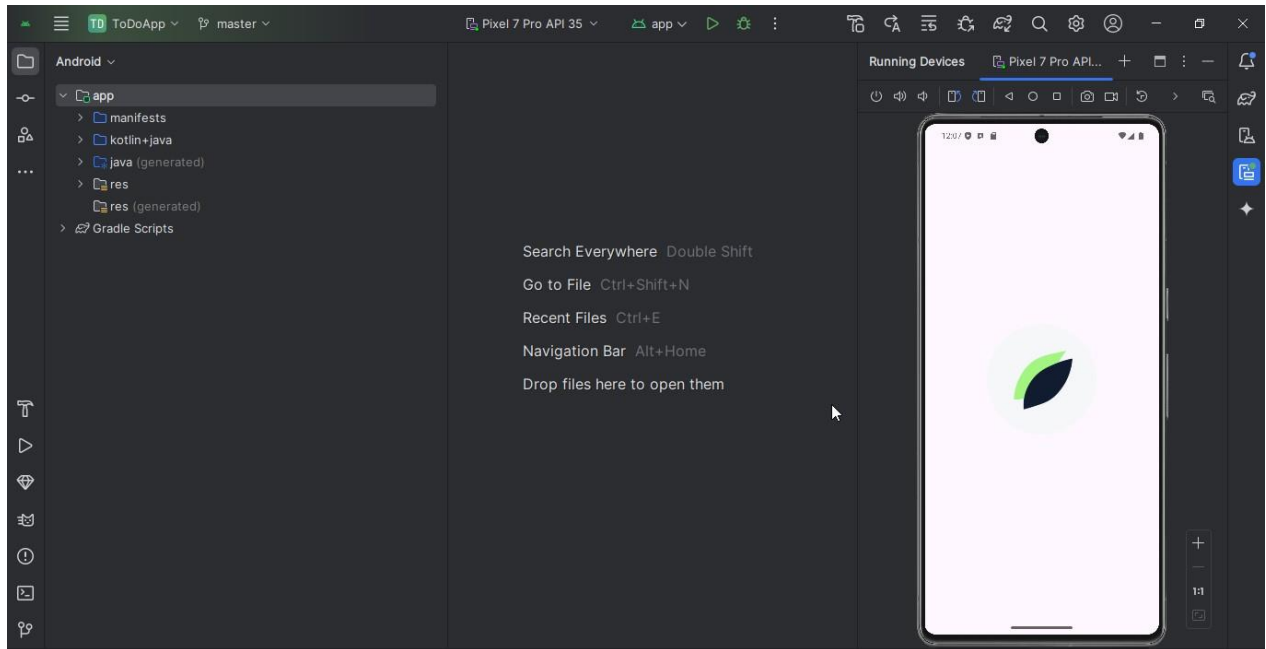
- **User-Friendly Interface:** The app has a clean, modern design that is simple to use when trying to perform specific functions in task management.
- **Tasks Management:** Users can easily add, update, delete, and view tasks. Each task will have the following information: title of task, description, due date, and level of priority for users' convenience in managing a to-do list.
- **SQLite Database with Room Library:** LeafBoard uses Room's persistence library to handle local data storage. This gives efficient ways of retrieving and manipulating data while maintaining integrity in data.
- **Kotlin Coroutines:** To ensure smooth performance, LeafBoard employs Kotlin Coroutines for asynchronous programming. In that regard, this makes the app execute other vital background tasks, such as database transactions, without blocking the UI.
- **RecyclerView:** The tasks are populated using a RecyclerView, which provides a dynamic list in nature. This view is memory-efficient in rendering big datasets and aids in smooth scrolling and item animations.
- **ViewModel Architecture:** LeafBoard is an embodiment of the core component in ViewModel architecture, which handles UI-related data in a lifecycle-conscious manner. It means it survives configuration changes; hence, it would provide a more persistent user experience.

Objective:

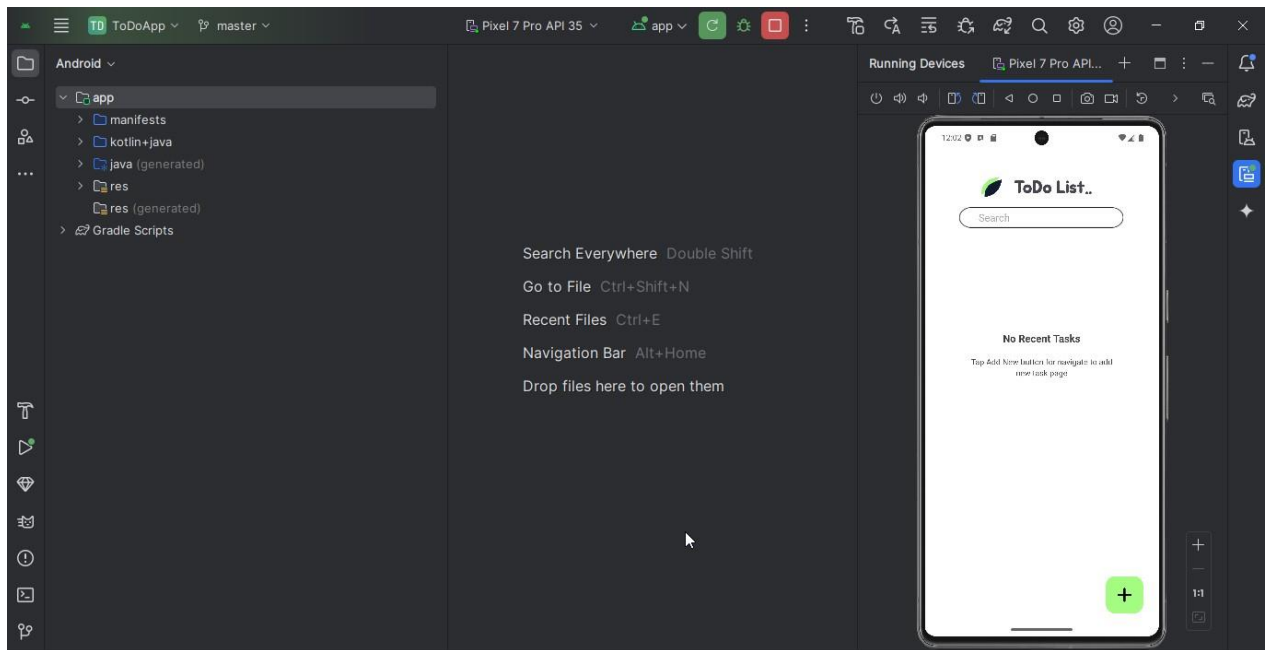
LeafBoard is all about being the enabler for the user in taking care of his tasks with much more strength, besides having a modern application framework. To this end, LeafBoard tries to base all of its cores on best practices for Android development, aiming to provide a tool that's not only stable and reliable but also increasing in productivity and structuring.

Screenshots

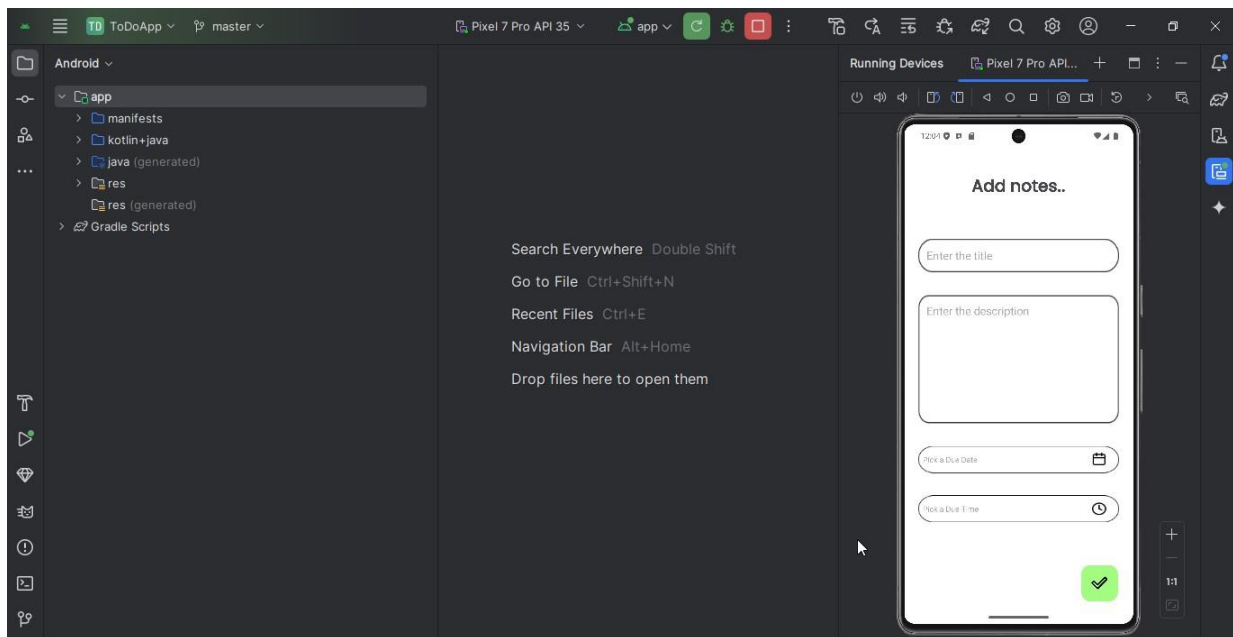
Launching Screen



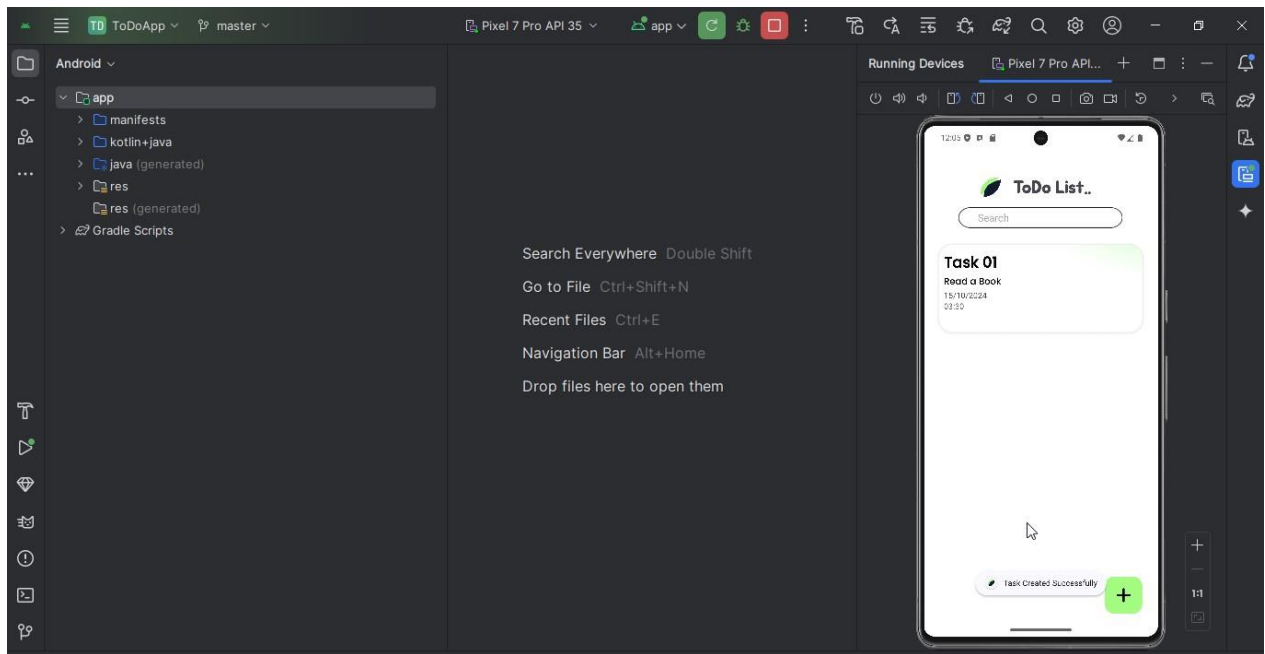
Home Screen



Add Task



Add Task Successfully



Delete Task

