

JourneyApp

The `JourneyApp` is a simple application built using Jetpack Compose, a modern UI toolkit for Android. It displays a list of stops on a journey and allows the user to track their progress.

Key Components

- `Stop`: A data class representing a stop on the journey. Each stop has a name and a distance from the starting point in kilometers. The distance in miles is calculated from the distance in kilometers.

JourneyApp: The main composable function of the application. It maintains state for the list of stops, the current unit of distance (kilometers or miles), and the current stop. It displays a series of composables representing the UI of the application.

User Interface

The UI consists of the following elements:

- A button to switch the unit of distance between kilometers and miles.
- A button to advance to the next stop on the journey.
- Text fields displaying the current stop, the total distance covered, and the remaining distance.
- A linear progress indicator showing the proportion of the total distance that has been covered.
- A list of the first two stops, displayed in a box with a light gray background.
- A scrollable list of all stops, displayed in a box with a white background. The current stop and all previous stops are highlighted in green, while future stops are displayed in gray.

User Interactions

- When the user clicks the "Switch to Miles/KM" button, the unit of distance is toggled between kilometers and miles. This updates the distances displayed in the list of stops.
- When the user clicks the "Next Stop" button, the current stop advances to the next stop in the list, if there is one. This updates the current stop, the total distance covered, the remaining distance, the progress indicator, and the colors of the stops in the list.