

Journey App

Description

The app: Journey, helps you to track your journey, while traveling on public transport. The app displays the current station of the user, Stations left to reach his destination. The user gives input if he has reached the next station.

Features

- Displays current station
- Tracks total distance covered and distance to final stop
- Allows switching between miles and kilometers
- Lists upcoming stations

Installation

- Clone the repository: [JourneyApp](#)
- Open the project in Android Studio
- Build and run the app on an Android device or emulator

Usage

On the main screen, the current station, total distance covered, and distance to the final stop are displayed.

Use the "Switch to KM" or "Switch to Miles" button to toggle between distance units.

Use the "Prev" and "Next" buttons to navigate to the previous or next station.

Screenshots

Credits

This app was created by Ganeev Singh.

License

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Implementation

I have used Jetpack Compose to create the App on Android studio Code. The app contains: 2 normal buttons, text view, lazy column, progress bar all of which were implemented using Jetpack Compose. I used a data class Station to store the name of the station and the distance to the next stop (string: name, Int: distance). Created 2 functions to DistanceinKms and DistanceinMiles to display the distance in the 2 different metric systems. Used @Composable to use the inbuilt composable class of Jetpack.

NOTE: Used the progress bar provided by the Jetpack Compose package, tried to implement the widget, The widget took too much time to load on the emulator and was not practical