TRAVEL ASSISTANT APP

MODELS

City.dart

```dart
class City {
  final String name;

  final String bestTimeToVisit;

  final String attractions;

  final String weather;

  final String travelTips;


  City({
    required this.name,

    required this.bestTimeToVisit,

    required this.attractions,

    required this.weather,

    required this.travelTips,

  });
}

final List<City> cities = [
  City(
    name: 'Delhi',

    bestTimeToVisit: 'October to March',

    attractions: 'Red Fort, India Gate, Qutub Minar',

    weather: 'Moderate',

    travelTips: 'Carry ID, Avoid rush hours',

  ),
```

```
City(
  name: 'Mumbai',
  bestTimeToVisit: 'November to February',
  attractions: 'Gateway of India, Marine Drive, Elephanta Caves',
  weather: 'Humid',
  travelTips: 'Use local trains, carry sunscreen',
),
City(
  name: 'Bangalore',
  bestTimeToVisit: 'September to February',
  attractions: 'Lalbagh, Cubbon Park, Nandi Hills',
  weather: 'Pleasant',
  travelTips: 'Plan for traffic, use metro',
),
City(
  name: 'Jaipur',
  bestTimeToVisit: 'October to March',
  attractions: 'Amber Fort, Hawa Mahal, City Palace',
  weather: 'Dry',
  travelTips: 'Stay hydrated, wear light clothes',
),
City(
  name: 'Goa',
  bestTimeToVisit: 'November to February',
  attractions: 'Baga Beach, Fort Aguada, Churches of Old Goa',
  weather: 'Warm',
  travelTips: 'Avoid monsoon, carry beachwear',
),
```

```
];
```

SCREEN

City_details_screen.dart

```dart
import 'package:flutter/material.dart';

import 'plan_summary_screen.dart';


class CityDetailsScreen extends StatelessWidget {
  final String cityName;


  CityDetailsScreen({required this.cityName});


  final Map<String, Map<String, String>> cityData = {
    'Delhi': {
      'BestTime': 'October to March',
      'Attractions': 'Red Fort, India Gate, Qutub Minar',
      'Weather': 'Cool winters, hot summers',
      'Tips': 'Use metro, avoid traffic zones',
    },
    'Mumbai': {
      'BestTime': 'November to February',
      'Attractions': 'Gateway of India, Marine Drive, Elephanta Caves',
      'Weather': 'Humid with mild winters',
      'Tips': 'Stay hydrated, prefer local trains',
    },
    'Bangalore': {
      'BestTime': 'September to February',
      'Attractions': 'Lalbagh, Cubbon Park, Bangalore Palace',
```

```dart
      'Weather': 'Pleasant year-round',

      'Tips': 'Carry umbrella, expect traffic',

    },

    'Jaipur': {

      'BestTime': 'October to March',

      'Attractions': 'Hawa Mahal, Amber Fort, City Palace',

      'Weather': 'Hot summers, cool winters',

      'Tips': 'Dress light, explore local markets',

    },

    'Goa': {

      'BestTime': 'November to February',

      'Attractions': 'Baga Beach, Fort Aguada, Old Goa Churches',

      'Weather': 'Warm and tropical',

      'Tips': 'Rent scooters, pack swimwear',

    },

  };


  @override

  Widget build(BuildContext context) {

    final info =

      cityData[cityName] ??

      {

        'BestTime': 'N/A',

        'Attractions': 'N/A',

        'Weather': 'N/A',

        'Tips': 'N/A',

      };
```

```
return Scaffold(
  appBar: AppBar(title: Text(cityName)),
  body: Center(
    child: Padding(
      padding: const EdgeInsets.all(20.0),
      child: Column(
        mainAxisSize: MainAxisSize.min,
        children: [
          Text(
            "Best Time to Visit: ${info['BestTime']}",
            style: TextStyle(fontSize: 16),
          ),
          SizedBox(height: 12),
          Text(
            "Top Attractions: ${info['Attractions']}",
            style: TextStyle(fontSize: 16),
          ),
          SizedBox(height: 12),
          Text(
            "Weather: ${info['Weather']}",
            style: TextStyle(fontSize: 16),
          ),
          SizedBox(height: 12),
          Text(
            "Travel Tips: ${info['Tips']}",
            style: TextStyle(fontSize: 16),
          ),
          SizedBox(height: 30),
```

```dart
        ElevatedButton(
          onPressed: () {
            Navigator.push(
              context,
              MaterialPageRoute(
                builder: (_) => PlanSummaryScreen(cityName: cityName),
              ),
            );
          },
          child: Text("Plan Trip to $cityName"),
        ),
      ],
    ),
  ),
);
  }
}
```

City_selection_screen.dart

```dart
import 'package:flutter/material.dart';
import 'city_details_screen.dart';


class CitySelectionScreen extends StatelessWidget {
  final List<String> cities = ['Delhi', 'Mumbai', 'Bangalore', 'Jaipur', 'Goa'];


  @override
  Widget build(BuildContext context) {
    return Scaffold(
```

```dart
appBar: AppBar(title: Text("Select a City")),
body: Center(
  child: Column(
    mainAxisAlignment: MainAxisAlignment.center,
    children: cities.map((city) {
      return Padding(
        padding: const EdgeInsets.symmetric(
          vertical: 8.0,
          horizontal: 24,
        ),
        child: ElevatedButton(
          style: ElevatedButton.styleFrom(
            minimumSize: Size(double.infinity, 50), // full-width buttons
            textStyle: TextStyle(fontSize: 18),
          ),
          onPressed: () {
            Navigator.push(
              context,
              MaterialPageRoute(
                builder: (_) => CityDetailsScreen(cityName: city),
              ),
            );
          },
          child: Text(city),
        ),
      );
    }).toList(),
  ),
```

```
      ),
    );
  }
}


Plan_summary_screen.dart

import 'package:flutter/material.dart';


class PlanSummaryScreen extends StatelessWidget {
  final String cityName;


  PlanSummaryScreen({required this.cityName});


  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text("Planned Trip")),
      body: Center(
        child: Text(
          "You've planned a trip to $cityName!",
          style: TextStyle(fontSize: 22),
        ),
      ),
    );
  }
}


Welocome_screen.dart
```

```dart
import 'package:flutter/material.dart';

import 'city_selection_screen.dart';


class WelcomeScreen extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: Center(
        child: Padding(
          padding: const EdgeInsets.all(24.0),
          child: Column(
            mainAxisAlignment: MainAxisAlignment.center,
            children: [
              Text(
                "Welcome to Travel Assistant",
                style: TextStyle(fontSize: 26, fontWeight: FontWeight.bold),
              ),
              SizedBox(height: 20),
              ElevatedButton(
                onPressed: () {
                  Navigator.push(
                    context,
                    MaterialPageRoute(builder: (_) => CitySelectionScreen()),
                  );
                },
                child: Text("Get Started"),
              ),
            ],
```

```dart
      ),
     ),
    ),
   );
  }
}


Main.dart

import 'package:flutter/material.dart';

import 'screens/welcome_screen.dart';


void main() {
  runApp(TravelAssistantApp());
}


class TravelAssistantApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Travel Assistant',
      theme: ThemeData(primarySwatch: Colors.teal),
      home: WelcomeScreen(),
      debugShowCheckedModeBanner: false,
    );
  }
}
```