

main.dart

```
import 'package:flutter/material.dart';
import 'screens/login_screen.dart';
import 'screens/home_screen.dart';
import 'screens/details_screen.dart';

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

class PlantCareApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      theme: ThemeData(
        primarySwatch: Colors.green,
      ),
      initialRoute: '/',
      routes: {
        '/': (context) => LoginScreen(),
        '/home': (context) => HomeScreen(),
        '/details': (context) => DetailsScreen(),
      },
    );
  }
}
```

home_screen.dart

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

class HomeScreen extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text(
          "Plant Care Home",
          style: TextStyle(fontFamily: 'CustomFont', fontSize: 22),
        ),
        backgroundColor: Colors.green,
      ),
      body: Padding(
        padding: const EdgeInsets.all(16.0),
        child: Column(
```

```

crossAxisAlignment: CrossAxisAlignment.start,
children: [
  Text(
    "Welcome to Plant Care 🌿",
    style: TextStyle(
      fontSize: 22,
      fontWeight: FontWeight.bold,
      fontFamily: 'CustomFont',
    ),
  ),
  SizedBox(height: 10),
  Text(
    "Nurture your plants with love and care!",
    style: TextStyle(fontSize: 16, color: Colors.grey.shade700),
  ),
  SizedBox(height: 20),

  Center(
    child: GestureDetector(
      onTap: () {
        Navigator.pushNamed(context, '/details');
      },
      child: ClipRRect(
        borderRadius: BorderRadius.circular(15),
        child: Image.asset("assets/images/plant_banner.avif",
          width: double.infinity, height: 150, fit: BoxFit.cover),
        ),
      ),
    ),
    SizedBox(height: 20),

    Expanded(
      child: GridView.count(
        crossAxisCount: 2,
        crossAxisSpacing: 10,
        mainAxisSpacing: 10,
        children: [
          _buildPlantCard(context, "Watering Tips", "Proper watering ensures healthy growth",
            Icons.water_drop, "assets/images/watering.jpeg"),
          _buildPlantCard(context, "Sunlight Needs", "Different plants require different
sunlight",
            Icons.wb_sunny, "assets/images/sunlight.jpeg"),
        ],
      ),
    ),
  ],
);
}

```

```

Widget _buildPlantCard(BuildContext context, String title, String description, IconData icon,
String imagePath) {
  return GestureDetector(
    onTap: () {
      Navigator.pushNamed(context, '/details', arguments: {'title': title, 'description': description});
    },
    child: Card(
      shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(15)),
      elevation: 5,
      color: Colors.green.shade100,
      child: Column(
        children: [
          ClipRRect(
            borderRadius: BorderRadius.vertical(top: Radius.circular(15)),
            child: Image.asset(imagePath, height: 80, width: double.infinity, fit: BoxFit.cover),
          ),
          Padding(
            padding: EdgeInsets.all(10),
            child: Column(
              children: [
                Icon(icon, size: 30, color: Colors.green.shade800),
                SizedBox(height: 5),
                Text(title, textAlign: TextAlign.center,
                  style: TextStyle(fontSize: 16, fontWeight: FontWeight.bold, fontFamily:
'CustomFont')),
                SizedBox(height: 5),
                Text(description, textAlign: TextAlign.center,
                  style: TextStyle(fontSize: 12, color: Colors.grey.shade700)),
              ],
            ),
          ),
        ],
      ),
    ),
  );
}

```

details_screen.dart

```

import 'package:flutter/material.dart';

class DetailsScreen extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    final Map<String, String>? args = ModalRoute.of(context)?.settings.arguments as
Map<String, String>;

    return Scaffold(

```

```

appBar: AppBar(
  title: Text(args?['title'] ?? 'Plant Details'),
  backgroundColor: Colors.green,
),
body: GestureDetector(
  onHorizontalDragEnd: (details) {
    Navigator.pop(context);
  },
  child: Padding(
    padding: const EdgeInsets.all(16.0),
    child: Column(
      crossAxisAlignment: CrossAxisAlignment.start,
      children: [
        Text(
          args?['title'] ?? 'Plant Details',
          style: TextStyle(fontSize: 22, fontWeight: FontWeight.bold, fontFamily: 'CustomFont'),
        ),
        SizedBox(height: 10),
        Text(
          args?['description'] ?? 'No details available',
          style: TextStyle(fontSize: 16, color: Colors.grey.shade700),
        ),
        SizedBox(height: 20),
        Center(
          child: Icon(Icons.nature, size: 100, color: Colors.green),
        ),
      ],
    ),
  ),
);
}
}

```



