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Aim:- To design flutter UI by including common widgets.

Theory: In Flutter, widgets are the building blocks of the user interface, and several common widgets play crucial roles in creating engaging and interactive applications. Here's a brief overview of some fundamental Flutter widgets:

1. Container: The most basic building block, a container is a box model that can contain other widgets, allowing you to customize its dimensions, padding, and decoration.
2. Row and Column: These widgets help organize children widgets horizontally (Row) or vertically (Column), facilitating the creation of flexible and responsive layouts.
3. AppBar: AppBar is a material design widget providing a top app bar that typically includes the app's title, leading and trailing icons, and actions.
4. ListView: Used to create scrollable lists of widgets, ListView is versatile for displaying a large number of items efficiently.
5. TextField: Enables users to input text, providing a text editing interface with options for validation, styling, and interaction.
6. RaisedButton and FlatButton: These button widgets create interactive elements for users to trigger actions, with RaisedButton offering a raised appearance and FlatButton a flat design.
7. Image: The Image widget displays images from various sources, supporting both local and network images.
8. Scaffold: A top-level container for an app's visual elements, Scaffold provides a structure that includes an AppBar, body, and other optional features like drawers and bottom navigation.
9. Card: Representing a material design card, this widget displays information in a compact and visually appealing format, often used for grouping related content.
10. GestureDetector: Allows detection of various gestures like taps, drags, and long presses,enabling interactive responses to user input.

Code & Output:-

```dart
 ignore_for_file: prefer_const_constructors,
prefer_const_literals_to_create_immutables
import 'package:firebase_auth/firebase_auth.dart';
import 'package:flutter/material.dart';
import 'package:rapido/AllWidgets/Divider.dart';
class Homepage extends StatefulWidget {
 const Homepage({Key? key}) : super(key: key);
 @override
  State<Homepage> createState() =>
HomePageState();
}

class HomePageState extends State<Homepage> {
 final User? user =
FirebaseAuth.instance.currentUser;
  GlobalKey<ScaffoldState> scaffoldKey =
GlobalKey<ScaffoldState>();
```

```dart
  Future<void> signOut() async {
   await FirebaseAuth.instance.signOut();
  }
  bool _isDragging = false;
  Offset _offset = Offset(0, 0);
  @override
  Widget build(BuildContext context) {
   return Scaffold(
    key: scaffoldKey,
    appBar: AppBar(
     title: Text("Homepage"),
    ),
    drawer: Drawer(
     child: ListView(
      children: [
       GestureDetector(
        onTap: () {
         scaffoldKey.currentState?.openDrawer();
        },
        child: Container(
         height: 165.0,
         child: DrawerHeader(
          decoration: BoxDecoration(color:
Colors.white),
          child: Row(
           children: [
            Icon(Icons.account_circle, color:
Colors.black),
            SizedBox(width: 16.0),
            Column(
             mainAxisAlignment:
MainAxisAlignment.center,
             children: [
              Text(
               "${user!.phoneNumber}",
               style: TextStyle(
                fontSize: 16,
                fontWeight: FontWeight.bold,
               ),
              ),

             ],
            ),
           ],
          ),
         ),
        ),
       ),
        Divider(),

       SizedBox(height: 12),
       ListTile(
        leading: Icon(Icons.history),
        title: Text("History", style:
TextStyle(fontSize: 15)),
        onTap: () {
         Navigator.pushNamed(context, '/history');
        },
       ),
       ListTile(
        leading: Icon(Icons.person),
        title: Text("Visit Profile", style:
TextStyle(fontSize: 15)),
        onTap: () {
         Navigator.pushNamed(context,
'/visit_profile');
        },
       ),
       ListTile(
        leading: Icon(Icons.info),
        title: Text("About", style:
TextStyle(fontSize: 15)),
        onTap: () {
         Navigator.pushNamed(context, '/about');
        },
       ),
       ListTile(
        leading: Icon(Icons.logout),
        title: Text("Logout", style:
TextStyle(fontSize: 15)),
        onTap: () {
         signOut();
        },
       ),
      ],
     ),
    ),
    body: Stack(
     children: [
      Center(
       child: Text(
        "${user!.phoneNumber}",
        style: TextStyle(fontSize: 18),
       ),
      ),
      Positioned(
       left: 0.0,
       right: 0.0,
       bottom: _isDragging ? _offset.dy : 0.0,
```

```dart
        child: GestureDetector(
          onPanUpdate: (details) {
            setState(() {
              _isDragging = true;
              _offset = Offset(0, _offset.dy +
details.delta.dy / 2); // Adjust the speed
            });
          },
          onPanEnd: (details) {
            setState(() {
              _isDragging = false;
            });
          },
          child: Container(
            height: 320,
            decoration: BoxDecoration(
              color: Colors.white,
              borderRadius: BorderRadius.only(
                topLeft: Radius.circular(18),
                topRight: Radius.circular(18),
              ),
              boxShadow: [
                BoxShadow(
                  color: Colors.black,
                  blurRadius: 16,
                  spreadRadius: 0.6,
                  offset: Offset(0.7, 0.7),
                ),
              ],
            ),
            child: Padding(
              padding: const
EdgeInsets.symmetric(horizontal: 24, vertical: 18),
              child: Column(
                crossAxisAlignment:
CrossAxisAlignment.start,
                children: [
                  SizedBox(height: 6),
                  Row(
                    mainAxisAlignment:
MainAxisAlignment.center,
                    children: [
                      Container(
                        height: 4,
                        width: 40,
                        decoration: BoxDecoration(
                          color: Colors.black,
                          borderRadius:
BorderRadius.circular(2),
                      ),
                    ),
                  ],
                ),
                SizedBox(height: 20),
                Container(
                  decoration: BoxDecoration(
                    color: Colors.white,
                    borderRadius:
BorderRadius.circular(5.0),
                    boxShadow: [
                      BoxShadow(
                        color: Colors.black54,
                        blurRadius: 6,
                        spreadRadius: 0.6,
                        offset: Offset(0.7, 0.7),
                      ),
                    ],
                  ),
                  child: TextFormField(
                    onTap: () {

FocusScope.of(context).requestFocus(FocusNode());
                    },
                    decoration: InputDecoration(
                      prefixIcon: Icon(Icons.search, color:
Colors.yellowAccent),
                      hintText: "Search Drop off",
                      border: InputBorder.none,
                      contentPadding:
EdgeInsets.symmetric(vertical: 15, horizontal: 20),
                    ),
                  ),
                ),
                SizedBox(height: 24),
                Row(
                  children: [
                    Icon(Icons.home, color: Colors.grey),
                    SizedBox(width: 12),
                    Column(
                      crossAxisAlignment:
CrossAxisAlignment.start,
                      children: [
                        Text("Add Home"),
                        SizedBox(height: 4),
                        Text(
                          "Your Living home address",
                          style: TextStyle(color:
Colors.black54, fontSize: 12),
```

```
                        ),                                        crossAxisAlignment:
                      ],                            CrossAxisAlignment.start,
                    ),                                          children: [
                  ],                                          Text("Add Work"),
                ),                                            SizedBox(height: 4),
                SizedBox(height: 10),                         Text(
                DividerWidget(),                                "Your office address",
                SizedBox(height: 10),                          style: TextStyle(color:
                Row(                            Colors.black54, fontSize: 12),
                  children: [                                    ),],),],),],),),),),),),],),);}}
        _         Icon(Icons.work, color: Colors.grey),
                    SizedBox(width: 12),
                    Column(
```