

Mohamed Mostafa ElMaghraby

20p7732

Mobile programming

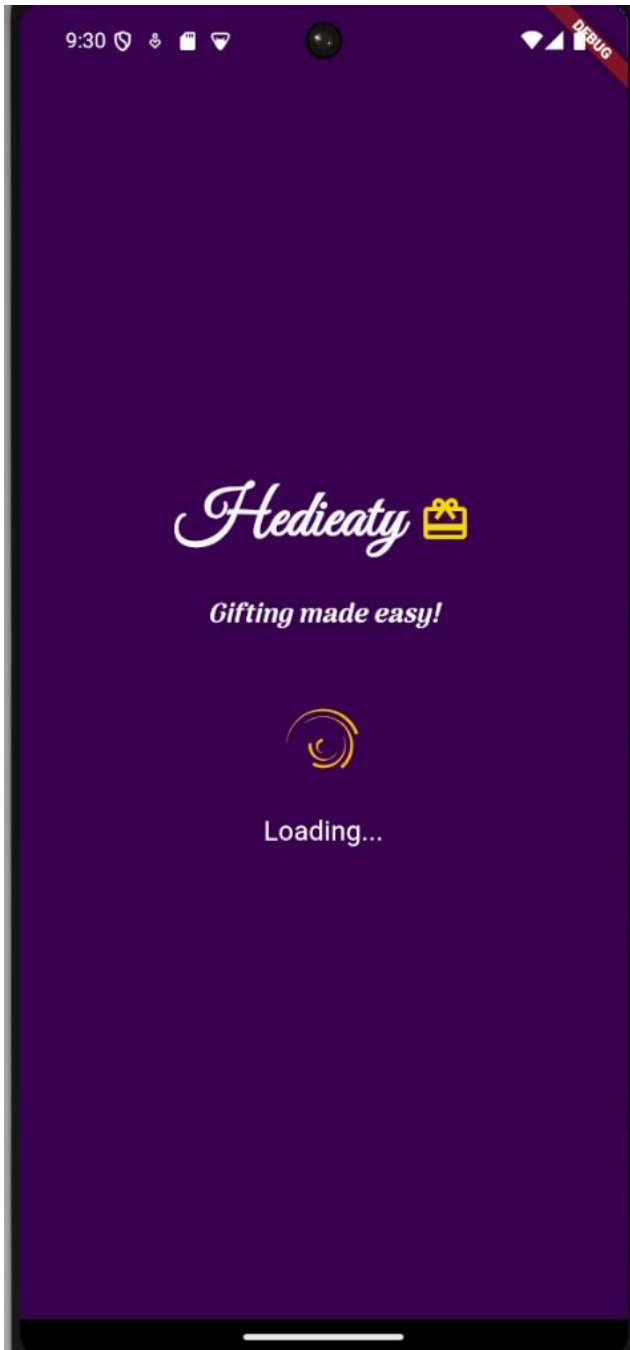
Milestone 1

Project components overview:

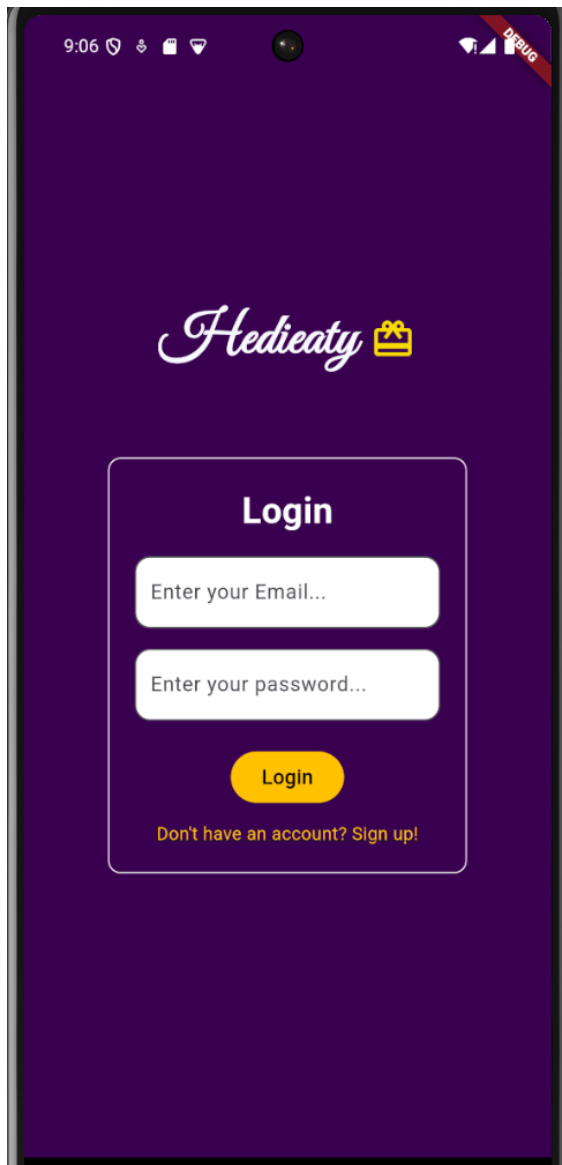
- **MaterialApp:** Provides the main application structure with defined routes.
- **Scaffold:** Basic layout structure with AppBar, body, and FloatingActionButton.
- Screens and Pages
- **LoadingScreen:** Simple page with a loading animation.
- **LoginPage:** User login interface with text fields and a login button.
- **SignUpPage:** Registration page with fields for user details.
- **HomePage:** Main navigation hub for the app.
- **EventListPage:** Lists events with sorting options and provides access to the Gift List.
- **AppBar:** Provides a title, a profile icon, and navigation options.
- **CircleAvatar:** Displays a profile picture icon in the AppBar.
- **DropDownButton:** Sorting options (by name, category, or status).
- **ListView.builder:** Dynamically generates a list of events.
- **Card:** Displays each event item in a visually distinct container.
- **ListTile:** Holds the event details (title, subtitle, and trailing actions).
- **IconButton:** Edit and delete options for each event item.
- **FloatingActionButton.extended:** Button to add a new event.
- Styling and Theming
- **BoxDecoration with LinearGradient:** Background styling for gradients.
- **TextStyle:** Customizes font color and style across various text elements.
- **IconThemeData:** Configures icon color in the AppBar.
- **Colors and Color.fromARGB:** Provides color consistency for backgrounds, icons, and other UI elements.

Screenshots from the UI:

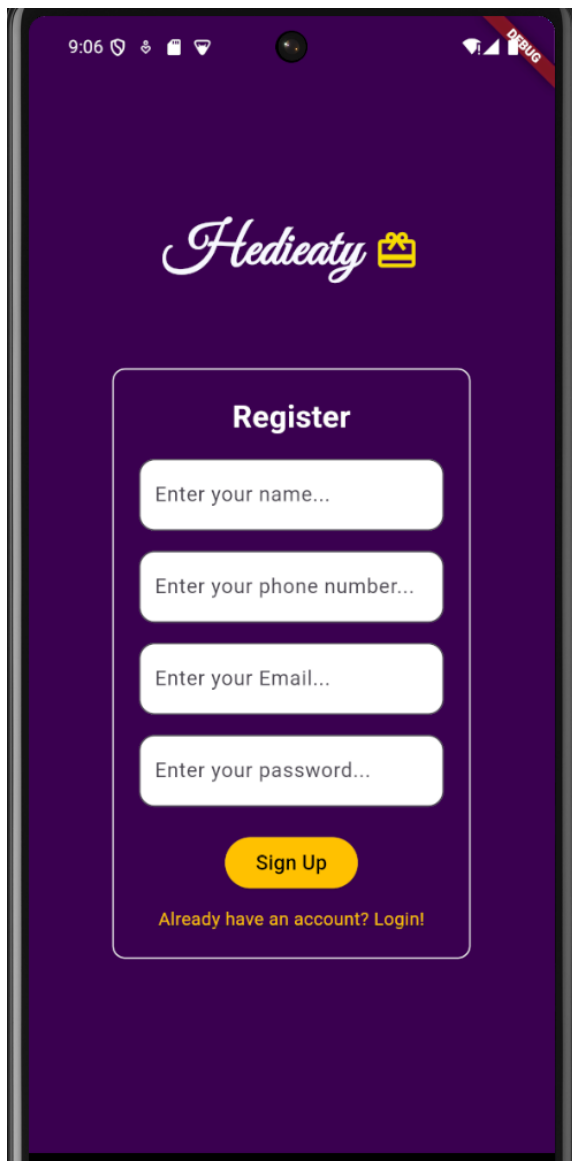
1-Loading Screen:



2-Login Page



3-Sign up page:



The image shows a mobile application interface for a sign-up page. The background is a solid purple color. At the top, there is a status bar with the time 9:06, signal strength, Wi-Fi, and battery icons. A red diagonal banner in the top right corner contains the word "Debug". Below the status bar, the app's logo "Hedieaty" is displayed in a white cursive font, followed by a yellow gift icon. The main content is a white rounded rectangle with a purple border. Inside this rectangle, the word "Register" is centered at the top. Below it are four white input fields with rounded corners, each containing a placeholder text: "Enter your name...", "Enter your phone number...", "Enter your Email...", and "Enter your password...". Below the input fields is a yellow rounded button with the text "Sign Up". At the bottom of the white rectangle, there is a link that says "Already have an account? Login!" in a small, light purple font.

9:06

Debug

Hedieaty 📺

Register

Enter your name...

Enter your phone number...

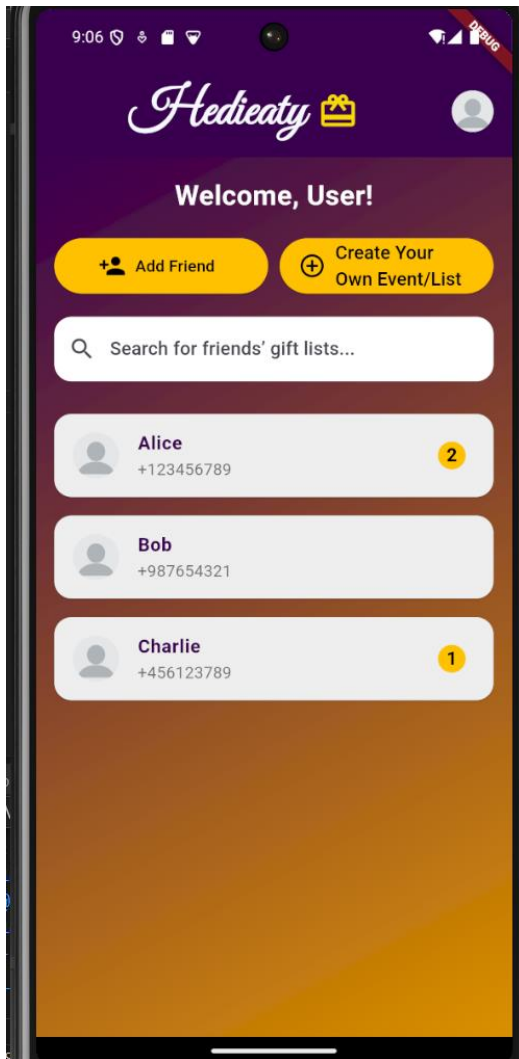
Enter your Email...

Enter your password...

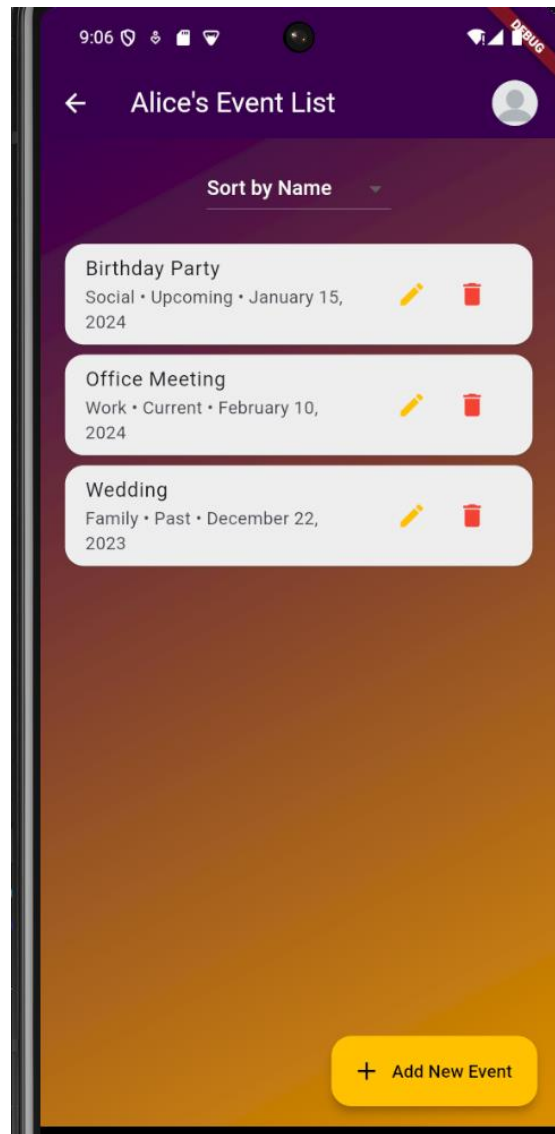
Sign Up

Already have an account? Login!

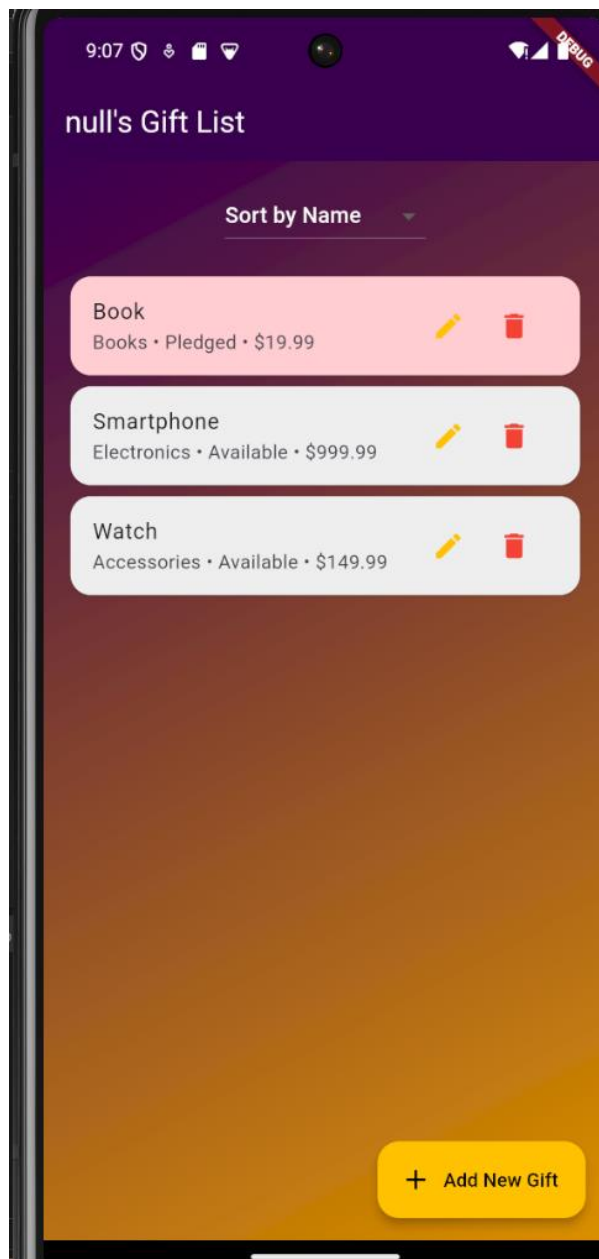
4-HomePage



5-Event List:



6- Gifts List:



Dart Code:

1-Loading_screen.dart:

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

import 'package:flutter_spinkit/flutter_spinkit.dart';

import 'package:hedieaty/title_widget.dart';

class LoadingScreen extends StatefulWidget {

  const LoadingScreen({super.key});

  @override

  State<LoadingScreen> createState() => _LoadingScreenState();

}

class _LoadingScreenState extends State<LoadingScreen> {

  @override

  void initState() {

    super.initState();

    // Navigate to HomeScreen after 3 seconds

    Future.delayed(const Duration(seconds: 3), () {

      Navigator.pushReplacementNamed(context, '/login');

    });

  }

  @override

  Widget build(BuildContext context) {

    return const Scaffold(

      backgroundColor: Color.fromARGB(255, 58, 2, 80),

      body: Center(
```

```
child: Column(  
  mainAxisAlignment: MainAxisAlignment.center,  
  children: [  
    TitleWidget(),  
    SizedBox(height: 20),  
    Text(  
      "Gifting made easy!",  
      style: TextStyle(  
        fontFamily: 'arima',  
        fontSize: 18.0,  
        color: Colors.white,  
        fontStyle: FontStyle.italic,  
      ),  
    ),  
    SizedBox(height: 50),  
    SpinKitSpinningLines(  
      color: Colors.amber,  
      size: 50.0,  
    ),  
    SizedBox(height: 20),  
    Text(  
      'Loading...',  
      style: TextStyle(  
        fontSize: 18.0,  
        color: Colors.white,  
      ),  
    ),  
  ],  
)
```

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

2-Main.dart:

```
import 'package:flutter/material.dart';  
  
import 'package:hedieaty/loading_screen.dart';  
  
import 'package:hedieaty/sign_up.dart';  
  
import 'package:hedieaty/login.dart';  
  
import 'package:hedieaty/home_page.dart';  
  
import 'package:hedieaty/event_list.dart';  
  
import 'package:hedieaty/gift_list.dart';  
  
void main() {  
  runApp(MaterialApp(  
    initialRoute: '/loading',  
    routes: {  
      '/loading': (context) => const LoadingScreen(),  
      '/login': (context) => const LoginPage(),  
      '/signup': (context) => const SignUpPage(),  
      '/home': (context) => const HomePage(),  
      '/eventListPage': (context) => const EventListPage(),  
      '/giftListPage': (context) => const GiftListPage(),  
    },  
  ));  
}
```

3-Login.dart:

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

import 'package:hedieaty/title_widget.dart';

class LoginPage extends StatefulWidget {

  const LoginPage({super.key});

  @override

  State<LoginPage> createState() => _LoginPageState();
}

class _LoginPageState extends State<LoginPage> {

  final GlobalKey<FormState> loginKey = GlobalKey();

  final TextEditingController emailController = TextEditingController();

  final TextEditingController passwordController = TextEditingController();

  @override

  Widget build(BuildContext context) {

    return Scaffold(

      backgroundColor: const Color.fromARGB(255, 58, 2, 80),

      body: Center(

        child: Column(

          mainAxisAlignment: MainAxisAlignment.center,

          children: [

            const TitleWidget(),

            const SizedBox(height: 60),
```

```
Container(  
  width: 280,  
  padding: const EdgeInsets.all(20.0),  
  decoration: BoxDecoration(  
    color: const Color.fromARGB(255, 58, 2, 80),  
    border: Border.all(color: Colors.white),  
    borderRadius: BorderRadius.circular(10.0),  
  ),  
  child: Form(  
    key: loginKey,  
    child: Column(  
      mainAxisAlignment: MainAxisAlignment.min,  
      children: [  
        const Text(  
          "Login",  
          style: TextStyle(  
            fontSize: 28,  
            fontWeight: FontWeight.bold,  
            color: Colors.white,  
          ),  
        ),  
        const SizedBox(height: 16.0),  
        TextFormField(  
          controller: emailController,  
          decoration: const InputDecoration(  
            labelText: 'Enter your Email...',  
            border: OutlineInputBorder(  

```

```
        borderRadius: BorderRadius.all(Radius.circular(12.0)),
      ),
      filled: true,
      fillColor: Colors.white,
    ),
    keyboardType: TextInputType.emailAddress,
    validator: (value) {
      if (value == null || value.isEmpty) {
        return 'Please enter your email';
      }
      return null;
    },
  ),
  const SizedBox(height: 16.0),
  TextFormField(
    controller: passwordController,
    decoration: const InputDecoration(
      labelText: 'Enter your password...',
      border: OutlineInputBorder(
        borderRadius: BorderRadius.all(Radius.circular(12.0)),
      ),
      hintText: 'Enter your password',
      hintStyle: TextStyle(color: Color.fromARGB(255, 200, 200, 200)),
      filled: true,
      fillColor: Colors.white,
    ),
    obscureText: true,
```

```
    validator: (value) {  
      if (value == null || value.isEmpty) {  
        return 'Please enter your password';  
      }  
      return null;  
    },  
  ),  
  const SizedBox(height: 20.0),  
  ElevatedButton(  
    style: ElevatedButton.styleFrom(  
      backgroundColor: Colors.amber,  
      foregroundColor: Colors.black,  
    ),  
    onPressed: () {  
      if (loginKey.currentState?.validate() ?? false) {  
        Navigator.pushReplacementNamed(context, '/home');  
      }  
    },  
    child: const Text('Login', style: TextStyle(fontSize: 16),),  
  ),  
  const SizedBox(height: 10),  
  GestureDetector(  
    onTap: () {  
      Navigator.pushReplacementNamed(context, '/signup');  
    },  
    child: const Text(  
      "Don't have an account? Sign up!",
```

```

        style: TextStyle(
          color: Colors.amber,
          decoration: TextDecoration.underline,
        ),
      ),
    ),
  ],
),
),
),
],
),
),
);
}
}

```

4-Sign_up.dart:

```

import 'package:flutter/material.dart';
import 'package:hedieaty/title_widget.dart';

class SignUpPage extends StatefulWidget {
  const SignUpPage({super.key});

  @override
  State<SignUpPage> createState() => _SignUpPageState();
}

class _SignUpPageState extends State<SignUpPage> {

```



```
final GlobalKey<FormState> signUpKey = GlobalKey();  
final TextEditingController nameController = TextEditingController();  
final TextEditingController phoneController = TextEditingController();  
final TextEditingController emailController = TextEditingController();  
final TextEditingController passwordController = TextEditingController();
```

```
@override
```

```
Widget build(BuildContext context) {  
  return Scaffold(  
    backgroundColor: const Color.fromARGB(255, 58, 2, 80),  
    body: Center(  
      child: Column(  
        mainAxisAlignment: MainAxisAlignment.center,  
        children: [  
          const TitleWidget(),  
          const SizedBox(height: 60),  
          Container(  
            width: 280,  
            padding: const EdgeInsets.all(20.0),  
            decoration: BoxDecoration(  
              color: const Color.fromARGB(255, 58, 2, 80),  
              border: Border.all(color: Colors.white),  
              borderRadius: BorderRadius.circular(10.0),  
            ),  
            child: Form(  
              key: signUpKey,  
              child: Column(  
                mainAxisAlignment: MainAxisAlignment.start,  
                children: [
```

```
mainAxisSize: MainAxisSize.min,

children: [

  const Text(

    "Register",

    style: TextStyle(

      fontSize: 24,

      fontWeight: FontWeight.bold,

      color: Colors.white,

    ),

  ),

  const SizedBox(height: 16.0),

  TextFormField(

    controller: nameController,

    decoration: const InputDecoration(

      labelText: 'Enter your name...',

      border: OutlineInputBorder(

        borderRadius: BorderRadius.all(Radius.circular(12.0)),

      ),

      hintText: 'Enter your name',

      hintStyle: TextStyle(color: Colors.grey),

      filled: true,

      fillColor: Colors.white,

    ),

    validator: (value) {

      if (value == null || value.isEmpty) {

        return 'Please enter your name';

      }

    }

  )

]
```

```
        return null;
    },
),
const SizedBox(height: 16.0),
TextFormField(
  controller: phoneController,
  decoration: const InputDecoration(
    labelText: 'Enter your phone number...',
    border: OutlineInputBorder(
      borderRadius: BorderRadius.all(Radius.circular(12.0)),
    ),
    hintText: 'Enter your phone number',
    hintStyle: TextStyle(color: Colors.grey),
    filled: true,
    fillColor: Colors.white,
  ),
  keyboardType: TextInputType.phone,
  validator: (value) {
    if (value == null || value.isEmpty) {
      return 'Please enter your phone number';
    }
    return null;
  },
),
const SizedBox(height: 16.0),
TextFormField(
  controller: emailController,
```

```
decoration: const InputDecoration(
  labelText: 'Enter your Email...',
  border: OutlineInputBorder(
    borderRadius: BorderRadius.all(Radius.circular(12.0)),
  ),
  hintText: 'Enter your email',
  hintStyle: TextStyle(color: Colors.grey),
  filled: true,
  fillColor: Colors.white,
),
keyboardType: TextInputType.emailAddress,
validator: (value) {
  if (value == null || value.isEmpty) {
    return 'Please enter your email';
  }
  return null;
},
),
const SizedBox(height: 16.0),
TextFormField(
  controller: passwordController,
  decoration: const InputDecoration(
    labelText: 'Enter your password...',
    border: OutlineInputBorder(
      borderRadius: BorderRadius.all(Radius.circular(12.0)),
    ),
    hintText: 'Enter your password',
```

```
    hintStyle: TextStyle(color: Colors.grey),
    filled: true,
    fillColor: Colors.white,
  ),
  obscureText: true,
  validator: (value) {
    if (value == null || value.isEmpty) {
      return 'Please enter your password';
    }
    return null;
  },
),
const SizedBox(height: 20.0),
ElevatedButton(
  style: ElevatedButton.styleFrom(
    backgroundColor: Colors.amber,
    foregroundColor: Colors.black,
  ),
  onPressed: () {
    if (signUpKey.currentState?.validate() ?? false) {
      Navigator.pushReplacementNamed(context, '/home');
    }
  },
  child: const Text('Sign Up', style: TextStyle(fontSize: 16),),
),
const SizedBox(height: 10),
GestureDetector(
```

```

onTap: () {
  Navigator.pushReplacementNamed(context, '/login');
},
child: const Text(
  "Already have an account? Login!",
  style: TextStyle(
    color: Colors.amber,
    decoration: TextDecoration.underline,
  ),
),
),
],
),
),
],
),
),
],
),
);
}
}

```

5-Title_widget.dart:

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

```

class TitleWidget extends StatelessWidget {
  const TitleWidget({super.key});

```

```

@override
Widget build(Object context) {
  return const Row(
    mainAxisAlignment: MainAxisAlignment.center,
    children: [
      Text(
        'Hedieaty',
        style: TextStyle(
          fontSize: 45.0,
          color: Color(0xFF8F8FF),
          fontWeight: FontWeight.bold,
          fontFamily: "gvibes",
        ),
      ),
      SizedBox(width: 10),
      Icon(
        Icons.card_giftcard,
        color: Color.fromARGB(255, 248, 220, 9),
        size: 35.0,
      ),
    ],
  );
}

```

6-Homepage.dart:

```

import 'package:flutter/material.dart';
import 'title_widget.dart';
import 'package:hedieaty/event_list.dart';

```

```
class HomePage extends StatefulWidget {  
  const HomePage({super.key});  
  
  @override  
  State<HomePage> createState() => _HomePageState();  
}
```

```
class _HomePageState extends State<HomePage> {  
  final List<Map<String, dynamic>> friends = [  
    {  
      'name': 'Alice',  
      'profilePic': 'assets/images/profile_icon.png',  
      'phone': '+123456789',  
      'events': 2,  
    },  
    {  
      'name': 'Bob',  
      'profilePic': 'assets/images/profile_icon.png',  
      'phone': '+987654321',  
      'events': 0,  
    },  
    {  
      'name': 'Charlie',  
      'profilePic': 'assets/images/profile_icon.png',  
      'phone': '+456123789',  
      'events': 1,  
    }  
  ];
```



```

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      toolbarHeight: 80,
      backgroundColor: const Color.fromARGB(255, 58, 2, 80),
      title: const TitleWidget(),
      actions: [
        GestureDetector(
          onTap: () {
            Navigator.pushNamed(context, '/profile');
          },
          child: const Padding(
            padding: EdgeInsets.only(right: 16.0),
            child: CircleAvatar(
              backgroundImage: AssetImage('assets/images/profile_icon.png'),
              radius: 18.0,
            ),
          ),
        ),
      ],
    ),
    body: Container(
      decoration: const BoxDecoration(
        gradient: LinearGradient(
          colors: [
            Color.fromARGB(255, 58, 2, 80),
            Color.fromARGB(255, 219, 144, 5),

```

```
],
  begin: Alignment.topLeft,
  end: Alignment.bottomRight,
),
),
padding: const EdgeInsets.all(16.0),
child: Column(
  crossAxisAlignment: CrossAxisAlignment.center,
  children: [
    const Text(
      'Welcome, User!',
      style: TextStyle(
        fontSize: 24,
        fontWeight: FontWeight.bold,
        color: Colors.white,
      ),
    ),
    const SizedBox(height: 20),
    Row(
      children: [
        Expanded(
          child: ElevatedButton.icon(
            style: ElevatedButton.styleFrom(
              backgroundColor: Colors.amber,
              foregroundColor: Colors.black,
              minimumSize: const Size.fromHeight(48),
            ),
            icon: const Icon(Icons.person_add),
            label: const Text("Add Friend"),
```

```

        onPressed: () {
          },
        ),
      ),
    const SizedBox(width: 10),
    Expanded(
      child: ElevatedButton.icon(
        style: ElevatedButton.styleFrom(
          backgroundColor: Colors.amber,
          foregroundColor: Colors.black,
          minimumSize: const Size.fromHeight(48),
        ),
        icon: const Icon(Icons.add_circle_outline),
        label: const Text(
          'Create Your Own Event/List',
          style: TextStyle(fontSize: 16),
        ),
        onPressed: () {
          Navigator.pushNamed(context, '/createEvent');
        },
      ),
    ),
  ],
),
const SizedBox(height: 20),
TextField(
  decoration: InputDecoration(
    hintText: 'Search for friends' gift lists...',
    prefixIcon: const Icon(Icons.search),
  ),

```

```
filled: true,
fillColor: Colors.white,
border: OutlineInputBorder(
  borderRadius: BorderRadius.circular(15.0),
  borderSide: BorderSide.none,
),
),
onChanged: (value) {},
),
const SizedBox(height: 20),
Expanded(
  child: ListView.builder(
    itemCount: friends.length,
    itemBuilder: (context, index) {
      final friend = friends[index];
      return Card(
        color: Colors.grey[200],
        shape: RoundedRectangleBorder(
          borderRadius: BorderRadius.circular(15.0),
        ),
        margin: const EdgeInsets.symmetric(vertical: 8.0),
        child: ListTile(
          leading: CircleAvatar(
            backgroundColor: Colors.white,
            backgroundImage: AssetImage(friend['profilePic']),
          ),
          title: Text(
            friend['name'],
            style: const TextStyle(
```

```

        color: Color.fromARGB(255, 58, 2, 80),
        fontWeight: FontWeight.bold,
    ),
),
subtitle: Text(
    friend['phone'],
    style: const TextStyle(color: Colors.black54),
),
trailing: friend['events'] > 0
    ? CircleAvatar(
        radius: 12,
        backgroundColor: Colors.amber,
        child: Text(
            friend['events'].toString(),
            style: const TextStyle(
                color: Colors.black,
                fontWeight: FontWeight.bold,
            ),
        ),
    )
    : null,
onTap: () {
    Navigator.push(
        context,
        MaterialPageRoute(
            builder: (context) =>
                EventListPage(friendName: friend['name']),
        ),
    );
};

```

```

        },
      ),
    );
  },
),
),
],
),
),
);
}
}

```

7-event_list.dart:

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

```
import 'package:intl/intl.dart';
```

```
class EventListPage extends StatefulWidget {
```

```
  final String? friendName;
```

```
  const EventListPage({super.key, this.friendName});
```

```
  @override
```

```
  State<EventListPage> createState() => _EventListPageState();
```

```
}
```

```
class _EventListPageState extends State<EventListPage> {
```

```
  List<Map<String, dynamic>> events = [
```

```
{
    'name': 'Birthday Party',
    'category': 'Social',
    'status': 'Upcoming',
    'date': DateTime(2024, 1, 15),
},
{
    'name': 'Wedding',
    'category': 'Family',
    'status': 'Past',
    'date': DateTime(2023, 12, 22),
},
{
    'name': 'Office Meeting',
    'category': 'Work',
    'status': 'Current',
    'date': DateTime(2024, 2, 10),
}
];
```

```
String sortBy = 'name';
```

```
void addEvent() {
}
```

```
void editEvent(int index) {
}
```

```
void deleteEvent(int index) {  
  
  setState(() {  
  
    events.removeAt(index);  
  
  });  
}
```

```
@override
```

```
Widget build(BuildContext context) {  
  
  events.sort((a, b) => a[sortBy].compareTo(b[sortBy]));  
  
  
  return Scaffold(  
  
    appBar: AppBar(  
  
      title: Text(  
  
        "${widget.friendName}'s Event List",  
  
        style: const TextStyle(color: Colors.white),  
  
      ),  
  
      backgroundColor: const Color.fromARGB(255, 58, 2, 80),  
  
      iconTheme: const IconThemeData(color: Colors.white),  
  
      actions: [  
  
        GestureDetector(  
  
          onTap: () {  
  
            Navigator.pushNamed(  
  
              context, '/profile');  
  
          },  
  
          child: const Padding(  
  
            padding: EdgeInsets.only(right: 16.0),
```



```
child: CircleAvatar(  
  backgroundImage: AssetImage('assets/images/profile_icon.png'),  
  radius: 18.0,  
),  
  
,  
  
,  
  
],  
),  
body: Container(  
  decoration: const BoxDecoration(  
    gradient: LinearGradient(  
      colors: [  
        Color.fromARGB(255, 58, 2, 80),  
        Color.fromARGB(255, 219, 144, 5),  
      ],  
      begin: Alignment.topLeft,  
      end: Alignment.bottomRight,  
    ),  
  ),  
  padding: const EdgeInsets.all(16.0),  
  child: Column(  
    children: [  
      DropdownButton<String>(  
        value: sortBy,  
        dropdownColor: const Color.fromARGB(255, 58, 2, 80),  
        onChanged: (value) {  
          setState() {
```

```
        sortBy = value!;
    });
},
items: const [
  DropdownMenuItem(
    value: 'name',
    child: Text(
      'Sort by Name',
      style: TextStyle(color: Colors.white),
    ),
  ),
  DropdownMenuItem(
    value: 'category',
    child: Text(
      'Sort by Category',
      style: TextStyle(color: Colors.white),
    ),
  ),
  DropdownMenuItem(
    value: 'status',
    child: Text(
      'Sort by Status',
      style: TextStyle(color: Colors.white),
    ),
  ),
],
),
```

```
const SizedBox(height: 16.0),
Expanded(
  child: ListView.builder(
    itemCount: events.length,
    itemBuilder: (context, index) {
      final event = events[index];
      String formattedDate =
        DateFormat('MMMM dd, yyyy').format(event['date']);
      return Card(
        color: Colors.grey[200],
        shape: RoundedRectangleBorder(
          borderRadius: BorderRadius.circular(15.0),
        ),
        child: ListTile(
          title: Text(event['name']),
          subtitle: Text(
            '${event['category']} • ${event['status']} • $formattedDate',
          ),
          trailing: Row(
            mainAxisAlignment: MainAxisAlignment.min,
            children: [
              IconButton(
                icon: const Icon(Icons.edit, color: Colors.amber),
                onPressed: () => editEvent(index),
              ),
              IconButton(
                icon: const Icon(Icons.delete, color: Colors.red),
```

```

        onPressed: () => deleteEvent(index),
      ),
    ],
  ),
),
);
},
),
),
],
),
),
floatingActionButton: FloatingActionButton.extended(
  backgroundColor: Colors.amber,
  foregroundColor: Colors.black,
  icon: const Icon(Icons.add),
  label: const Text('Add New Event'),
  onPressed: addEvent,
),
);
}
}

```

8-Gift_list.dart:

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

```

class GiftListPage extends StatefulWidget {
  final String? eventName;

```

```
const GiftListPage({super.key, this.eventName});
```

```
@override
```

```
State<GiftListPage> createState() => _GiftListPageState();
```

```
}
```

```
class _GiftListPageState extends State<GiftListPage> {
```

```
List<Map<String, dynamic>> gifts = [
```

```
{
```

```
  'name': 'Smartphone',
```

```
  'category': 'Electronics',
```

```
  'status': 'Available',
```

```
  'price': 999.99,
```

```
  'pledged': false,
```

```
},
```

```
{
```

```
  'name': 'Book',
```

```
  'category': 'Books',
```

```
  'status': 'Pledged',
```

```
  'price': 19.99,
```

```
  'pledged': true,
```

```
},
```

```
{
```

```
  'name': 'Watch',
```

```
  'category': 'Accessories',
```

```
  'status': 'Available',
```

```
    'price': 149.99,  
    'pledged': false,  
  },  
];
```

```
String sortBy = 'name';
```

```
void addGift() {  
}
```

```
void editGift(int index) {  
}
```

```
void deleteGift(int index) {  
  setState(() {  
    gifts.removeAt(index);  
  });  
}
```

```
@override
```

```
Widget build(BuildContext context) {  
  gifts.sort((a, b) => a[sortBy].compareTo(b[sortBy]));
```

```
  return Scaffold(  
    appBar: AppBar(  
      title: Text(  
        "${widget.eventName}'s Gift List",
```

```

        style: const TextStyle(color: Colors.white),
    ),
    backgroundColor: const Color.fromARGB(255, 58, 2, 80),
    iconTheme: const IconThemeData(color: Colors.white),
),
body: Container(
  decoration: const BoxDecoration(
    gradient: LinearGradient(
      colors: [
        Color.fromARGB(255, 58, 2, 80),
        Color.fromARGB(255, 219, 144, 5),
      ],
      begin: Alignment.topLeft,
      end: Alignment.bottomRight,
    ),
  ),
  padding: const EdgeInsets.all(16.0),
  child: Column(
    children: [
      DropdownButton<String>(
        value: sortBy,
        dropdownColor: const Color.fromARGB(255, 58, 2, 80),
        onChanged: (value) {
          setState(() {
            sortBy = value!;
          });
        },
      ),
    ],
  ),

```

```
items: const [  
  DropdownMenuItem(  
    value: 'name',  
    child: Text(  
      'Sort by Name',  
      style: TextStyle(color: Colors.white),  
    ),  
  ),  
  DropdownMenuItem(  
    value: 'category',  
    child: Text(  
      'Sort by Category',  
      style: TextStyle(color: Colors.white),  
    ),  
  ),  
  DropdownMenuItem(  
    value: 'status',  
    child: Text(  
      'Sort by Status',  
      style: TextStyle(color: Colors.white),  
    ),  
  ),  
],  
,  
const SizedBox(height: 16.0),  
Expanded(  
  child: ListView.builder(  

```



```
itemCount: gifts.length,

itemBuilder: (context, index) {

  final gift = gifts[index];

  return Card(

    color: gift['pledged'] ? Colors.red[100] : Colors.grey[200],

    shape: RoundedRectangleBorder(

      borderRadius: BorderRadius.circular(15.0),

    ),

    child: ListTile(

      title: Text(gift['name']),

      subtitle: Text(

        '${gift['category']} • ${gift['status']} • \${gift['price'].toStringAsFixed(2)}',

      ),

      trailing: Row(

        mainAxisAlignment: MainAxisAlignment.min,

        children: [

          IconButton(

            icon: const Icon(Icons.edit, color: Colors.amber),

            onPressed: gift['pledged'] ? null : () => editGift(index),

          ),

          IconButton(

            icon: const Icon(Icons.delete, color: Colors.red),

            onPressed: gift['pledged'] ? null : () => deleteGift(index),

          ),

        ],

      ),

    ),

  ),
```

```
    );  
    },  
    ),  
    ),  
  ],  
),  
),  
floatingActionButton: FloatingActionButton.extended(  
  backgroundColor: Colors.amber,  
  foregroundColor: Colors.black,  
  icon: const Icon(Icons.add),  
  label: const Text('Add New Gift'),  
  onPressed: addGift,  
),  
);  
}  
}
```