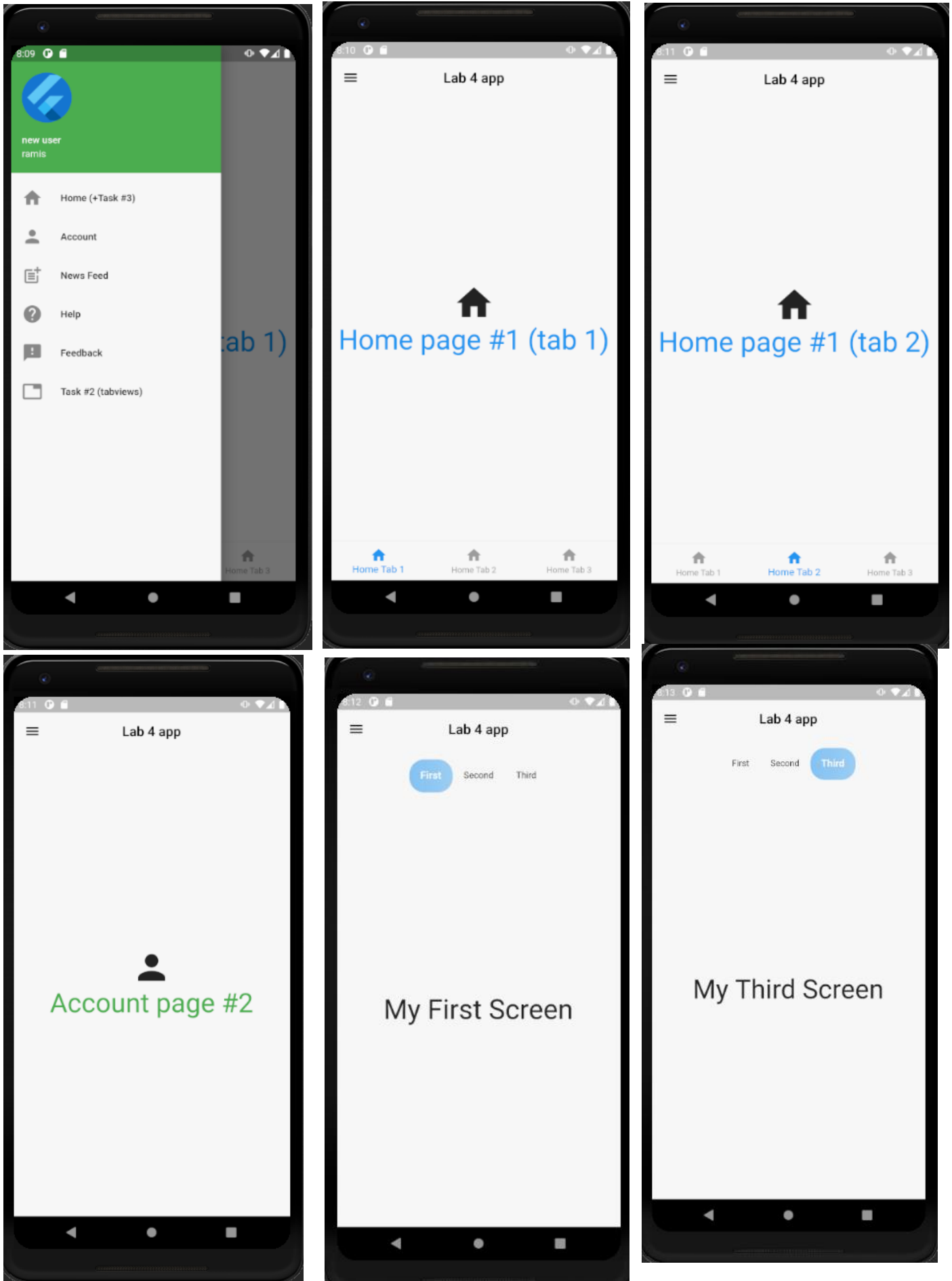


## Output



## Source Code

### Main.dart

```
import 'package:flutter/material.dart';
import 'package:ramis_lab2/widgets/navbar.dart';
import 'package:splashscreen/splashscreen.dart';
import 'package:ramis_lab2/widgets/myAppBar.dart';
import 'package:ramis_lab2/widgets/myDrawer.dart';

String accountName;

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

class MyApp extends StatelessWidget {
  // This widget is the root of your application.
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      title: 'Lab 4',
      home: Splash()
    );
  }
}

class Splash extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return SplashScreen(
      seconds: 5,
      backgroundColor: Colors.white,
      image: Image.asset('files/flutter-logo.png'),
      loaderColor: Colors.blue,
      photoSize: 150,
      navigateAfterSeconds: Login(),
    );
  }
}

class Login extends StatefulWidget {
  @override
  _LoginState createState() => _LoginState();
}

class _LoginState extends State<Login> {
  final emailController = TextEditingController();
  final passwordController = TextEditingController();
  bool passwordHide = true;
  bool rememberMe = true;

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: SafeArea(
        child: SingleChildScrollView(
          child: Padding(
            padding: EdgeInsets.only(left: 40, right: 40, top:
MediaQuery.of(context).size.height/6),
            child: Column(
              mainAxisAlignment: MainAxisAlignment.center,
              children: [
                Image.asset("files/flutter-logo.png"),
                SizedBox(height: 10,),
```

```
TextFormField(
    decoration: InputDecoration(
        prefixIcon: Icon(Icons.email_outlined, color: Colors.grey,),
        labelText: " Email ",
        border: UnderlineInputBorder()
    ),
    controller: emailController,
    onChanged: (newVal){accountName = newVal;},
),
 SizedBox(height: 10,),
 TextFormField(
    obscureText: passwordHide,
    decoration: InputDecoration(
        prefixIcon: Icon(Icons.lock),
        labelText: ' Password ',
        suffix: IconButton(icon: Icon(passwordHide ? Icons.remove_red_eye :
Icons.remove_red_eye_outlined), onPressed: (){setState(() {passwordHide = !passwordHide;});}),
        border: UnderlineInputBorder()
    ),
    controller: passwordController,
),
 Row(
    mainAxisAlignment: MainAxisAlignment.spaceBetween,
    children: [
        Container(width: 200, child: CheckboxListTile(controlAffinity:
 ListTileControlAffinity.leading, value: rememberMe, onChanged: (value){setState(() {rememberMe
= value;});}, title: Align(alignment: Alignment(-4,0),child: Text("Remember me")),)),
        FlatButton(child: Text("Forgot Password", style: TextStyle(fontSize:
12)), textColor: Colors.blue, disabledTextColor: Colors.blue,)
    ],
),
 SizedBox(height: 25,),
 RaisedButton(
    shape: StadiumBorder(),
    elevation: 1,
    color: Colors.blue,
    padding: EdgeInsets.symmetric(horizontal: 80, vertical: 15),
    textColor: Colors.white,
    child: Text("Login"),
    onPressed: (){
        showDialog(
            context: context,
            barrierDismissible: false,
            builder: (ctx){
                return AlertDialog(
                    title: Text("Your username is ${emailController.text}"),
                    content: Text("Your password is ${passwordController.text}"),
                    actions: [FlatButton(
                        onPressed: (){
                            Navigator.of(context).pop();
                            Navigator.of(context).pushReplacement(MaterialPageRoute(builder:
(context) => HomeScreen(Icons.home))),);
                            child: Text("Continue", style: TextStyle(fontWeight:
FontWeight.bold, color: Colors.blue,)),
                        )],
                    );
                }
            );
        },
    ),
),
),
```

```
    ),
  ),
);
}
}

class HomeScreen extends StatelessWidget {
  IconData screenIcon;
  HomeScreen(this.screenIcon);

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: myAppBar(),
      drawer: myDrawer(accountName),
      bottomNavigationBar: myNavBar(0),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: [
            Icon(screenIcon, size: 60,),
            Text("Home page #1 (tab 1)", style: TextStyle(color: Colors.blue, fontSize: 40),),
          ],
        ),
      ),
    );
  }
}

class AccountScreen extends StatelessWidget {
  IconData screenIcon;
  AccountScreen(this.screenIcon);

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: myAppBar(),
      drawer: myDrawer(accountName),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: [
            Icon(screenIcon, size: 60,),
            Text("Account page #2", style: TextStyle(color: Colors.green, fontSize: 40),),
          ],
        ),
      ),
    );
  }
}

class FeedScreen extends StatelessWidget {
  IconData screenIcon;
  FeedScreen(this.screenIcon);

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: myAppBar(),
      drawer: myDrawer(accountName),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
```

```
        children: [
          Icon(screenIcon, size: 60,),
          Text("News Feed #3", style: TextStyle(color: Colors.orange, fontSize: 40)),
        ],
      ),
    ),
  );
}

class HelpScreen extends StatelessWidget {
  IconData screenIcon;
  HelpScreen(this.screenIcon);

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: myAppBar(),
      drawer: myDrawer(accountName),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: [
            Icon(screenIcon, size: 60,),
            Text("Help Screen #4", style: TextStyle(color: Colors.teal, fontSize: 40)),
          ],
        ),
      ),
    );
  }
}

class FeedbackScreen extends StatelessWidget {
  IconData screenIcon;
  FeedbackScreen(this.screenIcon);

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: myAppBar(),
      drawer: myDrawer(accountName),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: [
            Icon(screenIcon, size: 60,),
            Text("Feedback screen #5", style: TextStyle(color: Colors.red, fontSize: 40)),
          ],
        ),
      ),
    );
  }
}

class TabsScreen extends StatefulWidget{

  @override
  _TabsScreenState createState() => _TabsScreenState();
}

class _TabsScreenState extends State<TabsScreen> with TickerProviderStateMixin{
  TabController tabcontroller;
```

```
Widget tabBar(BuildContext context) {
  this.tabcontroller = TabController(length: 3, initialIndex: 0, vsync: this);
  return TabBar(
    isScrollable: true,
    unselectedLabelColor: Colors.black,
    labelColor: Colors.white,
    labelStyle: TextStyle(fontWeight: FontWeight.bold, fontSize: 15),
    unselectedLabelStyle: TextStyle(
      fontWeight: FontWeight.normal, fontSize: 13),
    indicatorSize: TabBarIndicatorSize.tab,
    controller: tabcontroller,
    indicator: BoxDecoration(
      gradient: LinearGradient(
        colors: [Theme
          .of(context)
          .primaryColor
          .withOpacity(0.9), Theme
          .of(context)
          .primaryColor
          .withOpacity(0.7)
        ],
      ),
      borderRadius: BorderRadius.circular(22),
      color: Theme
        .of(context)
        .hintColor),
    tabs: [
      Tab(child: Text("First")),
      Tab(child: Text("Second")),
      Tab(child: Text("Third"))
    ],
  );
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    drawer: myDrawer(accountName),
    appBar: PreferredSize(
      preferredSize: Size.fromHeight(120),
      child: AppBar(
        centerTitle: true,
        title: Text("Lab 4 app", style: TextStyle(color: Colors.black)),
        iconTheme: IconThemeData(color: Colors.black),
        elevation: 0,
        backgroundColor: Colors.transparent,
        bottom: tabBar(context)
      ),
    ),
    body: TabBarView(
      controller: tabcontroller,
      children: [
        Center(child: Text("My First Screen", style: TextStyle(fontSize: 40))),
        Center(child: Text("My Second Screen", style: TextStyle(fontSize: 40))),
        Center(child: Text("My Third Screen", style: TextStyle(fontSize: 40))),
      ],
    ),
  );
}
```

## myappbar.dart

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

Widget myAppBar(){
  return AppBar(
    centerTitle: true,
    title: Text("Lab 4 app", style: TextStyle(color: Colors.black),),
    elevation: 0,
    backgroundColor: Colors.transparent,
    iconTheme: IconThemeData(color: Colors.black),
  );
}
```

## mydrawer.dart

```
import 'package:flutter/material.dart';
import 'package:ramis_lab2/main.dart';

class myDrawer extends StatelessWidget {
  String accountUsername;
  myDrawer(this.accountUsername);

  @override
  Widget build(BuildContext context) {
    return Drawer(
      child: Column(
        children: [
          UserAccountsDrawerHeader(
            decoration: BoxDecoration(
              color: Colors.green,
            ),
            accountName: Text("new user"),
            accountEmail: Text(accountUsername),
            currentAccountPicture: CircleAvatar(backgroundImage: AssetImage("files/flutter-logo.png")),
          ),
          ListTile(
            leading: Icon(Icons.home, size: 30,),
            title: Text("Home (+Task #3)"),
            onTap: (){Navigator.of(context).pushReplacement(MaterialPageRoute(builder:
(context) => HomeScreen(Icons.home)));},
          ),
          ListTile(
            leading: Icon(Icons.person, size: 30,),
            title: Text("Account"),
            onTap: (){Navigator.of(context).pushReplacement(MaterialPageRoute(builder:
(context) => AccountScreen(Icons.person)));},
          ),
          ListTile(
            leading: Icon(Icons.post_add, size: 30,),
            title: Text("News Feed"),
            onTap: (){Navigator.of(context).pushReplacement(MaterialPageRoute(builder:
(context) => FeedScreen(Icons.post_add)));},
          ),
          ListTile(
            leading: Icon(Icons.help, size: 30,),
            title: Text("Help"),
            onTap: (){Navigator.of(context).pushReplacement(MaterialPageRoute(builder:
(context) => HelpScreen(Icons.help)));},
          ),
          ListTile(
            leading: Icon(Icons.feedback, size: 30,),
```

```

        title: Text("Feedback"),
        onTap: (){Navigator.of(context).pushReplacement(MaterialPageRoute(builder:
(context) => FeedbackScreen(Icons.feedback)));},
    ),
    ListTile(
        leading: Icon(Icons.tab, size: 30),
        title: Text("Task #2 (tabviews)"),
        onTap: (){Navigator.of(context).pushReplacement(MaterialPageRoute(builder:
(context) => TabsScreen()));},
    )
  ],
),
);
}
}

```

## navbar.dart

```

import 'package:flutter/material.dart';
import 'package:ramis_lab2/main.dart';

import 'myAppBar.dart';
import 'myDrawer.dart';

class HomeScreen2 extends StatelessWidget {
  IconData screenIcon;
  HomeScreen2(this.screenIcon);

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: myAppBar(),
      bottomNavigationBar: myNavBar(1),
      drawer: myDrawer(accountName),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: [
            Icon(screenIcon, size: 60,),
            Text("Home page #1 (tab 2)", style: TextStyle(color: Colors.blue, fontSize: 40)),
          ],
        ),
      ),
    );
  }
}

class HomeScreen3 extends StatelessWidget {
  IconData screenIcon;
  HomeScreen3(this.screenIcon);

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: myAppBar(),
      bottomNavigationBar: myNavBar(2),
      drawer: myDrawer(accountName),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: [
            Icon(screenIcon, size: 60,),
            Text("Home page #1 (tab 3)", style: TextStyle(color: Colors.blue, fontSize: 40)),
          ],
        ),
      ),
    );
  }
}

```



```

    ],
  ),
),
);
}
}

class myNavBar extends StatefulWidget {
  int index;
  myNavBar(this.index);

  @override
  _myNavBarState createState() => _myNavBarState();
}

class _myNavBarState extends State<myNavBar> {
  int _selectedIndex;

  @override
  void initState(){
    this._selectedIndex = widget.index;
    super.initState();
  }

  Map<int, Widget> routes = {
    0: HomeScreen(Icons.home),
    1: HomeScreen2(Icons.home),
    2: HomeScreen3(Icons.home),
  };

  void _onItemTapped(int index) {
    setState(() {
      _selectedIndex = index;
      if (routes[index] != null) {
        Navigator.pushReplacement(
          context,
          MaterialPageRoute(builder: (context) => routes[index])
        );
      }
    });
  }

  @override
  Widget build(BuildContext context) {
    return BottomNavigationBar(
      fixedColor: Theme.of(context).primaryColor,
      type: BottomNavigationBarType.fixed,
      elevation: 6,
      showSelectedLabels: true,
      unselectedItemColor: Colors.grey,
      showUnselectedLabels: true,
      selectedLabelStyle: TextStyle(fontSize: 14, color: Theme.of(context).primaryColor),
      unselectedLabelStyle: TextStyle(fontSize: 12, color: Colors.grey),
      items: <BottomNavigationBarItem>[
        BottomNavigationBarItem(
          icon: Icon(Icons.home),
          label: 'Home Tab 1',
        ),
        BottomNavigationBarItem(
          icon: Icon(Icons.home),
          label: 'Home Tab 2',
        ),
        BottomNavigationBarItem(

```

```
        icon: Icon(Icons.home),  
        label: 'Home Tab 3',  
      ),  
    ],  
    currentIndex: _selectedIndex,  
    onTap: _onItemTapped,  
  );  
}
```