



Daffodil
International
University

Lab Report

Course Code: CSE 335

Course Name: Pervasive Computing and Mobile App Development Lab

Lab Report No: 05

Lab Report Name : NavigationBar, DashBoard, Form example

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BottomNavigation:-

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

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: MyHomePage(),
    );
  }
}

class MyHomePage extends StatefulWidget {
  @override
  _MyHomePageState createState() => _MyHomePageState();
}

class _MyHomePageState extends State<MyHomePage> {
  int _selectedIndex = 0;

  List<Widget> _widgetOptions = <Widget>[
    Text('Home'),
    Text('Favorites'),
    Text('Settings'),
  ];

  void _onItemTapped(int index) {
    setState(() {
      _selectedIndex = index;
    });
  }

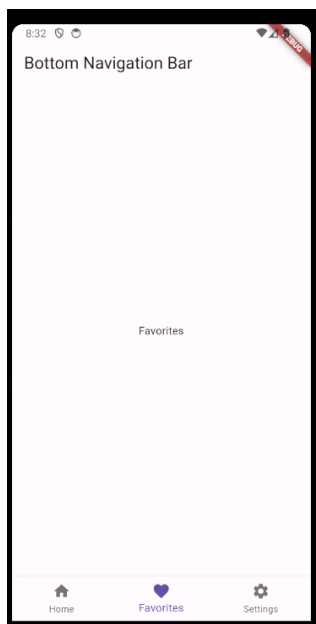
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('Bottom Navigation Bar'),
      ),
      body: Center(
```

```

        child: _widgetOptions.elementAt(_selectedIndex),
      ),
      bottomNavigationBar: BottomNavigationBar(
        items: const <BottomNavigationBarItem>[
          BottomNavigationBarItem(
            icon: Icon(Icons.home),
            label: 'Home',
          ),
          BottomNavigationBarItem(
            icon: Icon(Icons.favorite),
            label: 'Favorites',
          ),
          BottomNavigationBarItem(
            icon: Icon(Icons.settings),
            label: 'Settings',
          ),
        ],
        currentIndex: _selectedIndex,
        onTap: _onItemTapped,
      ),
    ),
  );
}
}

```

Output:



DashBoard:-

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

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

class MyApp extends StatefulWidget {
  @override
  _MyAppState createState() => _MyAppState();
}

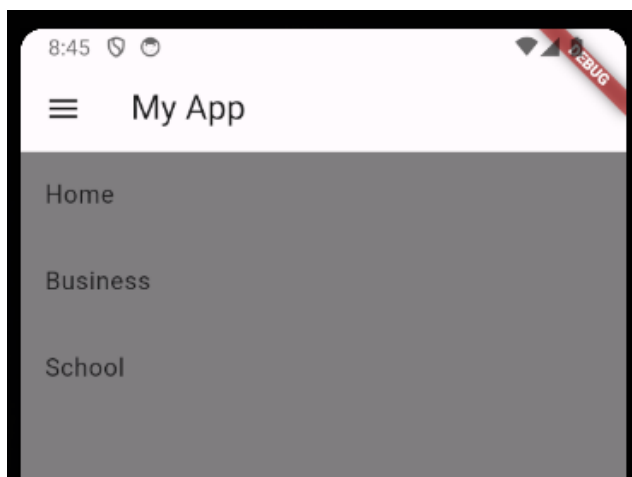
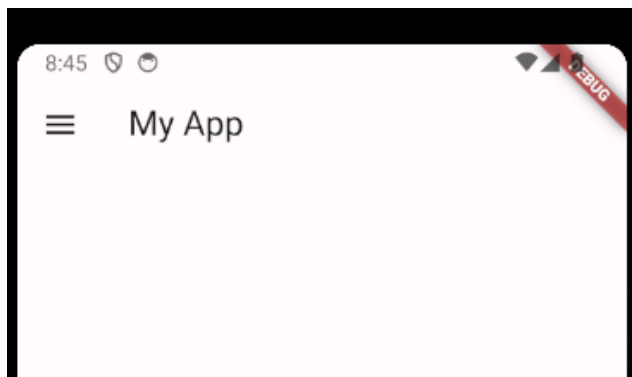
class _MyAppState extends State<MyApp> {
  List<String> menuItems = ['Home', 'Business', 'School'];
  bool showMenu = false;

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: Scaffold(
        appBar: AppBar(
          leading: IconButton(
            icon: Icon(Icons.menu),
            onPressed: () {
              setState(() {
                showMenu = !showMenu;
              });
            },
          ),
          title: Text('My App'),
        ),
        body: Stack(
          children: [
            Container(

          ),
            Visibility(
              visible: showMenu,
              child: Container(
                color: Colors.black26.withOpacity(0.5),
                child: ListView.builder(
                  itemCount: menuItems.length,
                  itemBuilder: (context, index) => ListTile(
                    title: Text(menuItems[index]),
```

```
onTap: () {  
  setState(() {  
    showMenu = false;  
  });  
},  
,  
,  
,  
,  
,  
],  
,  
,  
);  
}  
}
```

Output:



Form:-

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

class LoginPage extends StatefulWidget {
  @override
  _LoginPageState createState() => _LoginPageState();
}

class _LoginPageState extends State<LoginPage> {

  final _emailController = TextEditingController();
  final _passwordController = TextEditingController();

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('Login'),
      ),
      body: Padding(
        padding: const EdgeInsets.all(20.0),
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: [
            TextField(
              controller: _emailController,
              decoration: InputDecoration(
                labelText: 'Email',
              ),
              keyboardType: TextInputType.emailAddress,
            ),
            SizedBox(height: 10.0),
            TextField(
              controller: _passwordController,
              decoration: InputDecoration(
                labelText: 'Password',
              ),
              obscureText: true,
            ),
            SizedBox(height: 20.0),
            ElevatedButton(
              onPressed: () {
```

```

        print('Email: ${_emailController.text}');
        print('Password: ${_passwordController.text}');
      },
      child: Text('Login'),
    ),
  ],
),
),
);
}
}

void main() {
  runApp(MaterialApp(
    home: LoginPage(),
  ));
}

```

Output:

