Assignment # 6

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


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: 'WHATSAPP',


  // theme: ThemeData(
     //accentColor: Color(0XFF25D366) // green color for whatapp clone theme
     //),
   home: MyHomePage(),
  );
 }
}


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

```dart
}

class _MyHomePageState extends State<MyHomePage>

    with SingleTickerProviderStateMixin {

  late TabController _tabController;


  @override

  void initState() {

    // TODO: implement initState

    super.initState();

    // total tab we are creating is 4 so : length is 4 : initialIndex is set to position 1

    _tabController = new TabController(length: 4, vsync: this, initialIndex: 1);

  }


  @override

  Widget build(BuildContext context) {

    return Scaffold(

      backgroundColor: Colors.white,

      appBar: AppBar(

        title: Text("WhatsApp"),

        backgroundColor: Colors.green[900],

        elevation: 0.5,

        bottom: TabBar(

          controller: _tabController,

          indicatorColor: Colors.green,
```

```
    tabs: <Widget>[

      // here we are creating 4 Tabs

      Tab(icon: Icon(Icons.camera_alt)),

      Tab(

        text: "CHATS",

      ),

      Tab(

        text: "STATUS",

      ),

      Tab(text: "CALLS")

    ],

  ),

  //we need 2 menu icons on app bar : search and more setting

  actions: <Widget>[

    Icon(Icons.search),

    Padding(

      padding: const EdgeInsets.symmetric(horizontal: 7),

    ),

    Icon(Icons.more_vert)

  ],

),

body:

TabBarView(

  //this will work similar to fragment in android app
```

```dart
      controller: _tabController,

      //loading 4 pages in tabs

      children: <Widget>[CameraPage(), ChatPage(), Statuspage(), CallsPage()],

    ),

    floatingActionButton: FloatingActionButton(

      onPressed: () {

        print("Floating Button Clicked");

          },

      backgroundColor: Colors.green[900],    //Theme.of(context).accentColor,

      child: Icon(

        Icons.message,

        color: Colors.white,

      ),

    ),

  );

 }

}


class Chats {

 final String name;

 final String message;

 final String time;

 Chats({required this.name, required this.message, required this.time});

}
```

```dart
// dummy data for chats page  listview

List<Chats> dummyData = [

  new Chats(

    name: "ALI",

    message: " Hi......",

    time: "2:00 AM"),


  new Chats(

    name: "HASSAN TAYYAB",

    message: " how are you??",

    time: "12:30 PM"),


  new Chats(

    name: "TALAL",

    message: " Happy birthday",

    time: "12:00 AM"),


  new Chats(

    name: "FARAZ",

    message: "come on dude...",

    time: "9:45 AM"),


  new Chats(

    name: "SIR BILAL",
```

```dart
      message: "assignment done??",

      time: "5:30 AM"),


];




class CallsPage extends StatefulWidget {

 @override

 _CallsPageState createState() => _CallsPageState();

}




class _CallsPageState extends State<CallsPage> {

 @override

 Widget build(BuildContext context) {

   return Center(

     child: Text("Call Page"),

   );

 }

}




class CameraPage extends StatefulWidget {

 @override

 _CameraPageState createState() => _CameraPageState();

}
```

```dart
class _CameraPageState extends State<CameraPage> {

  @override

  Widget build(BuildContext context) {

    return Center(

      child: Text("Camera Page"),

    );

  }

}


class Statuspage extends StatefulWidget {

  @override

  _StatuspageState createState() => _StatuspageState();

}


class _StatuspageState extends State<Statuspage> {

  @override

  Widget build(BuildContext context) {

    return Center(

      child: Text("Status Page"),


    );

  }

}
```
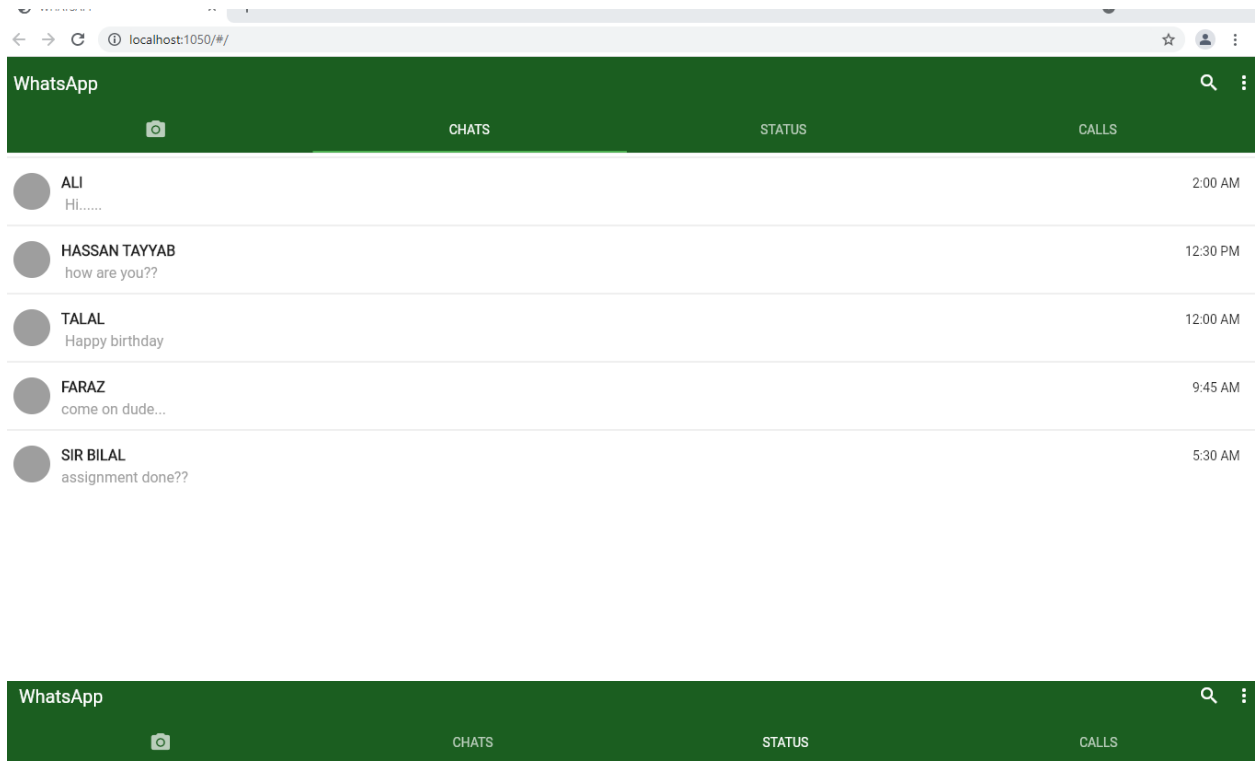
```dart
class ChatPage extends StatefulWidget {

 @override

 _ChatPageState createState() => _ChatPageState();

}


class _ChatPageState extends State<ChatPage> {

 @override

 Widget build(BuildContext context) {

  return ListView.builder(

   itemCount: dummyData.length,

   itemBuilder: (context, index) => Column(

    children: <Widget>[

     Divider(

      height: 10.0,

     ),

     ListTile(

      leading: CircleAvatar(

       radius: 20,

       foregroundColor: Theme.of(context).primaryColor,

       backgroundColor: Colors.grey,

      ),

      title: new Row(

       mainAxisAlignment: MainAxisAlignment.spaceBetween,

       children: <Widget>[

        Text(
```

```dart
              dummyData[index].name,

              style: TextStyle(fontWeight: FontWeight.bold),

            ),

            Text(

              dummyData[index].time,

              style: TextStyle(fontSize: 14.0),

            ),

          ],

        ),

        subtitle: Container(

          padding: const EdgeInsets.only(top: 5.0),

          child: Text(

            dummyData[index].message,

            style: TextStyle(color: Colors.grey, fontSize: 16.0),

          ),

        ),

      ),

    ],

  ),

);

}

}
```

WhatsApp 🔍 ⋮

📷 | CHATS | STATUS | CALLS

⚪ **ALI** 2:00 AM
Hi......

⚪ **HASSAN TAYYAB** 12:30 PM
how are you??

⚪ **TALAL** 12:00 AM
Happy birthday

⚪ **FARAZ** 9:45 AM
come on dude...

⚪ **SIR BILAL** 5:30 AM
assignment done??

WhatsApp 🔍 ⋮

📷 | CHATS | STATUS | CALLS

Status Page

WhatsApp

	CHATS	STATUS	CALLS

Call Page