ANDROID DEVELOPMENT WITH KOTLIN

ASSIGNMENT WEEK 1

INSTAGRAM SIGN UP

```kotlin
package com.shrimadbhagwat.instagram

import android.content.Context
import android.os.Bundle
import android.widget.Toast
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.Image
import androidx.compose.foundation.background
import androidx.compose.foundation.border
import androidx.compose.foundation.layout.Arrangement
import androidx.compose.foundation.layout.Column
import androidx.compose.foundation.layout.Row
import androidx.compose.foundation.layout.Spacer
import androidx.compose.foundation.layout.fillMaxHeight
import androidx.compose.foundation.layout.fillMaxSize
import androidx.compose.foundation.layout.fillMaxWidth
import androidx.compose.foundation.layout.height
import androidx.compose.foundation.layout.padding
import androidx.compose.foundation.layout.size
import androidx.compose.foundation.layout.width
import androidx.compose.foundation.shape.RoundedCornerShape
import androidx.compose.material3.AlertDialogDefaults.shape
import androidx.compose.material3.Button
import androidx.compose.material3.ButtonColors
import androidx.compose.material3.ButtonDefaults
import androidx.compose.material3.Divider
import androidx.compose.material3.ExperimentalMaterial3Api
import androidx.compose.material3.Icon
import androidx.compose.material3.MaterialTheme
import androidx.compose.material3.Surface
import androidx.compose.material3.Text
import androidx.compose.material3.TextField
import androidx.compose.material3.TextFieldDefaults
import androidx.compose.runtime.Composable
import androidx.compose.runtime.getValue
import androidx.compose.runtime.mutableStateOf
import androidx.compose.runtime.remember
import androidx.compose.runtime.setValue
import androidx.compose.ui.Alignment
import androidx.compose.ui.Modifier
import androidx.compose.ui.graphics.Color
import androidx.compose.ui.platform.LocalContext
import androidx.compose.ui.res.painterResource
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp
import com.shrimadbhagwat.instagram.ui.theme.InstagramTheme
```

```kotlin
class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            InstagramTheme {
                // A surface container using the 'background' color from the theme
                Surface(
                    modifier = Modifier.fillMaxSize(),
                    color = MaterialTheme.colorScheme.background
                ) {
                    App()
                }
            }
        }
    }
}

@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun App(modifier: Modifier = Modifier) {
    var applicationContext = LocalContext.current
    var mobile_or_email by remember {
        mutableStateOf("")
    }
    var fullname by remember {
        mutableStateOf("")
    }
    var username by remember {
        mutableStateOf("")
    }
    var password by remember {
        mutableStateOf("")
    }
    Column(
        verticalArrangement = Arrangement.Center,
        horizontalAlignment = Alignment.CenterHorizontally,
        modifier = Modifier
            .fillMaxSize()
            .background(Color.White)
    ) {

        // Logo
        Row() {
            Image(
                painter = painterResource(id = R.drawable.instagramlogo),
                contentDescription = "Instagram",
                modifier = Modifier.width(250.dp)
            )
        }
        Spacer(modifier = Modifier.height(16.dp))

        // TextLine
        Text(
            text = "Sign up to see photos and videos",
            fontSize = 20.sp,
```

```kotlin
                fontWeight = FontWeight.Bold,
                color = Color.Gray
            )
            Text(
                text = "from your friends.",
                fontSize = 20.sp,
                fontWeight = FontWeight.Bold,
                color = Color.Gray
            )
            Spacer(modifier = Modifier.height(16.dp))

            // Login with Facebook
            Button(
                onClick = {
                        Toast.makeText(applicationContext,"Login with Facebook", Toast.LENGTH_SHORT).show()
                    },
                colors = ButtonDefaults.buttonColors(Color(0xFF4392ef)),
                shape = RoundedCornerShape(10.dp),
                modifier = Modifier
                    .padding(all = 5.dp)
                    .width(320.dp)
                    .height(46.dp)
            ) {

                Image(
                    painter = painterResource(id = R.drawable.facebook),
                    contentDescription = "fblogo",
                    modifier = Modifier.size(24.dp)
                )
                Text(
                    text = "  Log in with Facebook",
                    fontWeight = FontWeight.Bold,
                    color = Color.White,
                    fontSize = 18.sp
                )
            }
            Spacer(modifier = Modifier.height(16.dp))

            // OR
            Row {
//              Divider(color = Color.LightGray, thickness = 1.dp, modifier = Modifier.width(200.dp))
                Text(
                    text = "OR",
                    fontSize = 18.sp,
                    fontWeight = FontWeight.Bold,
                    color = Color.Gray
                )
//              Divider(color = Color.LightGray, thickness = 1.dp, modifier = Modifier.width(200.dp))
            }
            Spacer(modifier = Modifier.height(16.dp))

            // Form
            // Mobile
            Row() {
                TextField(
                    value = mobile_or_email,
```

```kotlin
                    onValueChange = { mobile_or_email = it },
                    colors = TextFieldDefaults.textFieldColors(containerColor = Color(0xfffbfafb)),

                    placeholder = { Text("Mobile number or email address", color = Color.Gray) },
                    modifier = Modifier
                        .width(320.dp)
                        .height(50.dp)
                        .border(1.dp, Color.LightGray)
                )
            }
            Spacer(modifier = Modifier.height(8.dp))

            // Full Name
            Row() {
                TextField(
                    value = fullname,
                    onValueChange = { fullname = it },
                    colors = TextFieldDefaults.textFieldColors(containerColor = Color(0xfffbfafb)),
                    placeholder = { Text("Full Name", color = Color.Gray) },
                    modifier = Modifier
                        .width(320.dp)
                        .height(50.dp)
                        .border(1.dp, Color.LightGray)
                )
            }
            Spacer(modifier = Modifier.height(8.dp))

            // Username
            Row() {
                TextField(
                    value = username,
                    onValueChange = { username = it },
                    colors = TextFieldDefaults.textFieldColors(containerColor = Color(0xfffbfafb)),
                    placeholder = { Text("Username", color = Color.Gray) },
                    modifier = Modifier
                        .width(320.dp)
                        .height(50.dp)
                        .border(1.dp, Color.LightGray)
                )
            }
            Spacer(modifier = Modifier.height(8.dp))

            // Password
            Row() {
                TextField(
                    value = password,
                    onValueChange = { password = it },
                    colors = TextFieldDefaults.textFieldColors(containerColor = Color(0xfffbfafb)),
                    placeholder = { Text("Password", color = Color.Gray) },
                    modifier = Modifier
                        .width(320.dp)
                        .height(50.dp)
                        .border(1.dp, Color.LightGray)
                )
            }
            Spacer(modifier = Modifier.height(16.dp))
```

```kotlin
Row() {
    Text(
        text = "People who use our service may have uploaded",
        fontSize = 14.sp,
        fontWeight = FontWeight.Bold,
        color = Color.Gray
    )
}
Row() {
    Text(
        text = "your contact information to Instagram. ",
        fontSize = 14.sp,
        fontWeight = FontWeight.Bold,
        color = Color.Gray
    )
    Text(
        text = "Learn",
        fontSize = 14.sp,
        fontWeight = FontWeight.Bold,
        color = Color(0xFF385185)
    )
}
Row {
    Text(
        text = "more",
        fontSize = 14.sp,
        fontWeight = FontWeight.Bold,
        color = Color(0xFF385185)
    )
}

Spacer(modifier = Modifier.height(16.dp))

Row() {
    Text(
        text = "By signing up. you agree to our ",
        fontSize = 14.sp,
        fontWeight = FontWeight.Bold,
        color = Color.Gray
    )
    Text(
        text = "Terms, Privacy",
        fontSize = 14.sp,
        fontWeight = FontWeight.Bold,
        color = Color(0xFF385185)
    )
}
Row {
    Text(
        text = "Policy ",
        fontSize = 14.sp,
        fontWeight = FontWeight.Bold,
        color = Color(0xFF385185)
    )
    Text(
        text = "and ",
        fontSize = 14.sp,
```

```kotlin
                fontWeight = FontWeight.Bold,
                color = Color.Gray
            )
            Text(
                text = "Cookies Policy. ",
                fontSize = 14.sp,
                fontWeight = FontWeight.Bold,
                color = Color(0xFF385185)
            )
        }
        Spacer(modifier = Modifier.height(16.dp))
        Button(
            onClick = {
                Toast.makeText(applicationContext,mobile_or_email + "\n" + fullname + "\n" + username + "\n" +
password, Toast.LENGTH_SHORT).show()
            },
            colors = ButtonDefaults.buttonColors(Color(0xFF7CB8FF)),
            shape = RoundedCornerShape(10.dp),
            modifier = Modifier
                .padding(all = 5.dp)
                .width(320.dp)
        ) {

            Text(
                text = "Sign Up",
                fontWeight = FontWeight.Bold,
                color = Color.White,
                fontSize = 20.sp
            )
        }
        Spacer(modifier = Modifier.height(16.dp))
        Divider(color = Color.LightGray, thickness = 1.dp, modifier = Modifier.fillMaxWidth())
        Spacer(modifier = Modifier.height(12.dp))
        Divider(color = Color.LightGray, thickness = 1.dp, modifier = Modifier.fillMaxWidth())
        Spacer(modifier = Modifier.height(16.dp))
        Row {
            Text(
                text = "Have an account? ",
                fontSize = 18.sp,
                fontWeight = FontWeight.Bold,
                color = Color(0xFF353535)
            )
            Text(
                text = "Log in",
                fontSize = 18.sp,
                fontWeight = FontWeight.Bold,
                color = Color(0xFF3576FF)
            )
        }

    }
}
```

OUTPUT

Instagram

Sign up to see photos and videos
from your friends.

f Log in with Facebook

OR

Mobile number or email address

Full Name

Username

Password

People who use our service may have uploaded
your contact information to Instagram. **Learn
more**

By signing up. you agree to our **Terms, Privacy
Policy** and **Cookies Policy.**

Sign Up

Login with Facebook

Have an account? Log in

Instagram

Sign up to see photos and videos
from your friends.

f Log in with Facebook

OR

9988557744

Elon Musk

elon_478

abcdefgh123

People who use our service may have uploaded
your contact information to Instagram. **Learn
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Policy** and **Cookies Policy.**

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Have an account? Log in