

The SmartBridge EXTERNSHIP

Android Application Development with Kotlin

Assessment 1

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Code:-

```
package com.example.google

import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.Image
import androidx.compose.foundation.layout.Arrangement
import androidx.compose.foundation.layout.Column
import androidx.compose.foundation.layout.Row
import androidx.compose.foundation.layout.fillMaxSize
import androidx.compose.foundation.layout.fillMaxWidth
import androidx.compose.foundation.layout.width
import androidx.compose.material3.Button
import androidx.compose.material3.ButtonDefaults
import androidx.compose.material3.Checkbox
import androidx.compose.material3.ExperimentalMaterial3Api
import androidx.compose.material3.MaterialTheme
import androidx.compose.material3.Surface
import androidx.compose.material3.Text
import androidx.compose.material3.TextField
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.res.painterResource
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.dp
import com.example.google.ui.theme.GoogleTheme

class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
```

```

        super.onCreate(savedInstanceState)
        setContentView {
            GoogleTheme {
                // A surface container using the 'background' color from the
theme
                Surface(modifier = Modifier.fillMaxSize(), color =
MaterialTheme.colorScheme.background) {

                    Greeting()

                }
            }
        }
    }
}

@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun Greeting() {

    var fname by remember {
        mutableStateOf("First name")
    }
    var lname by remember {
        mutableStateOf("Last name")
    }
    var eid by remember {
        mutableStateOf("Username")
    }
    var password by remember {
        mutableStateOf("password")
    }
    var cpassword by remember {
        mutableStateOf("Confirm")
    }
    var checkboxval by remember {
        mutableStateOf(true)
    }
    Column(
        horizontalAlignment = Alignment.CenterHorizontally,
        verticalArrangement = Arrangement.Center,
        modifier = Modifier.fillMaxSize()
    ) {
        Image(painterResource(id = R.drawable.downloa), contentDescription =
"google")

        Text(text = "Create your Google Account")
        Row() {
            TextField(value = fname,
                onChange = { fname = it },
                label = { Text(text = "First name") },
                placeholder = { Text(text = "Enter your first name") },
                modifier = Modifier.width(200.dp))
            TextField(value = lname, onChange = { lname = it },
                label = { Text(text = "Last name") },
                placeholder = { Text(text = "Enter your Last name") },
                modifier = Modifier.width(200.dp))

```

```

    }
    Column(horizontalAlignment = Alignment.Start) {
        TextField(value = eid, onValueChange = { eid = it }, modifier =
Modifier.fillMaxWidth() )
        Text(text = "You can use letter,number & periods" )
        Text(text = "Use my current email address instead", color =
Color.Blue)
    }

    Row() {
        TextField(value = password, onValueChange = { password = it },
            label = { Text(text = "password") },
            placeholder = { Text(text = "Enter your password") },
            modifier = Modifier.width(200.dp))
        TextField(value = cpassword, onValueChange = { cpassword = it },
            label = { Text(text = "Confirm") },
            placeholder = { Text(text = "Confirm your password") },
            modifier = Modifier.width(200.dp))
    }
    Text(text = "Use 8 or more characters with a mix of letters, numbers
& symbols")
    Row() {
        Checkbox(checked = checkboxval, onCheckedChange = { checkboxval =
it })
        Text(text = "Show password")
    }

    Row() {
        Button(onClick = { /*TODO*/ }, colors =
ButtonDefaults.buttonColors(Color.White)) {
            Text(text = "Sign in instead", color = Color.Blue)
        }
        Button(onClick = { /*TODO*/ }, colors =
ButtonDefaults.buttonColors(Color.Blue)) {
            Text(text = "Sign in instead", color = Color.White)
        }
    }
}

}

@Preview(showBackground = true)
@Composable
fun GreetingPreview() {
    GoogleTheme {
        Greeting()
    }
}

```

Output:-

https://drive.google.com/file/d/1i900UI_orGTcLk61MUee78CN8J8t_3zk/view?usp=sharing