

WEEK-1 ASSIGNMENT

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COURSE : Android Application Development with Kotlin

CODE:

```
package com.example.googleSignup

import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.Image
import androidx.compose.foundation.background
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.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.text.KeyboardOptions
import androidx.compose.material3.Button
import androidx.compose.material3.ButtonColors
import androidx.compose.material3.ButtonDefaults
import androidx.compose.material3.Checkbox
import androidx.compose.material3.CheckboxDefaults
import androidx.compose.material3.ExperimentalMaterial3Api
import androidx.compose.material3.MaterialTheme
import androidx.compose.material3.OutlinedTextField
import androidx.compose.material3.Surface
import androidx.compose.material3.Text
import androidx.compose.material3.TextButton
import androidx.compose.runtime.Composable
import androidx.compose.runtime.mutableStateOf
import androidx.compose.runtime.remember
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.input.KeyboardType
import androidx.compose.ui.text.input.PasswordVisualTransformation
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp
import com.example.googleSignup.ui.theme.GoogleSignupTheme
```

```

import androidx.compose.runtime.getValue
import androidx.compose.runtime.setValue
import com.example.googleSignup.ui.theme.GoogleSignupTheme

class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            GoogleSignupTheme {
                // 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() {
    val context = LocalContext.current
    var firstname by remember { mutableStateOf("") }
    var lastname by remember { mutableStateOf("") }
    var username by remember { mutableStateOf("") }
    var name by remember { mutableStateOf("") }
    var password by remember { mutableStateOf("") }
    Column(
        verticalArrangement = Arrangement.Top,
        horizontalAlignment = Alignment.Start,
        modifier = Modifier
            .fillMaxSize()
            .background(color = Color.White)
            .padding(all = 20.dp)
    ) {
        Image(
            painter = painterResource(id = R.drawable.googlelogo),
            contentDescription = "",
            modifier = Modifier.size(75.dp)
        )
        Text(
            text = "Create your Google Account",
            fontSize = 25.sp,
            color = Color.Black,
            modifier = Modifier.padding(bottom = 16.dp)
        )

        OutlinedTextField(
            value = firstname, onChange = { firstname = it },
            label = { Text(text = "First name", color = Color.Black) },
            modifier = Modifier.fillMaxWidth(),
            keyboardOptions = KeyboardOptions(keyboardType =
KeyboardType.Text)

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    )

    OutlinedTextField(
        value = lastname, onValueChange = { lastname = it },
        label = { Text(text = "Last name", color = Color.Black) },
        modifier = Modifier.fillMaxWidth(),
        keyboardOptions = KeyboardOptions(keyboardType =
KeyboardType.Text)
    )

    OutlinedTextField(
        value = username, onValueChange = { username = it },
        label = { Text(text = "Username", color = Color.Black) },
        modifier = Modifier.fillMaxWidth(),
        keyboardOptions = KeyboardOptions(keyboardType =
KeyboardType.Email)
    )
    Text(
        text = "You can use letters, numbers & periods",
        modifier = Modifier.padding(top = 4.dp),
        color = Color.Black
    )

    TextButton(
        onClick = { /*TODO*/ },
        colors = ButtonDefaults.textButtonColors(
            contentColor = Color.Blue // Set the text color
        )
    ) {
        Text(text = "Use my current email address instead", fontSize =
19.sp
        )
    }

    OutlinedTextField(
        value = name, onValueChange = { name = it },
        label = { Text(text = "Username", color = Color.Black) },
        modifier = Modifier.fillMaxWidth(),
        keyboardOptions = KeyboardOptions(keyboardType =
KeyboardType.Text)
    )

    OutlinedTextField(
        value = password, onValueChange = { password = it },
        label = { Text(text = "password", color = Color.Black) },
        modifier = Modifier.fillMaxWidth(),
        keyboardOptions = KeyboardOptions(
            keyboardType = KeyboardType.Password
        )
    )
    Text(
        text = "You can use letters, numbers & periods",
        modifier = Modifier.padding(top = 4.dp),

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        color = Color.Black
    )
    Spacer(modifier = Modifier.height(20.dp))

    Row() {
        val showPass = remember {
            mutableStateOf(false)
        }
        Checkbox(
            checked = showPass.value, onCheckedChange = {
                showPass.value = !showPass.value
            },

            colors = CheckboxDefaults.colors(
                checkedColor = Color
                    (
                        26, 115,
                        232
                    )
            )
        )
        Spacer(modifier = Modifier.height(10.dp))

        Text(
            text = "Show password",
            color = Color.Black
        )
    }

    Spacer(modifier = Modifier.height(10.dp))

    Row() {
        TextButton(
            onClick = { /*TODO*/ },
            colors = ButtonDefaults.textButtonColors(
                contentColor = Color.Blue // Set the text color
            )
        ) {
            Text(text = "Sign in instead", fontSize = 19.sp)
        }

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

```

```
}  
  
}
```



Create your Google Account

First name

Last name

Username

You can use letters, numbers & periods

[Use my current email address instead](#)

Username

password

You can use letters, numbers & periods

☐ Show password

[Sign in instead](#)

Next

