

George Assignment

MainActivity.kt

```
package com.example.georgeassignment

import android.os.Bundle
import android.widget.Toast
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.layout.*
import androidx.compose.foundation.text.KeyboardOptions
import androidx.compose.material3.*
import androidx.compose.runtime.*
import androidx.compose.ui.Modifier
import androidx.compose.ui.text.input.ImeAction
import androidx.compose.ui.text.input.KeyboardType
import androidx.compose.ui.text.input.PasswordVisualTransformation
import androidx.compose.ui.unit.dp
import com.example.georgeassignment.ui.theme.GeorgeAssignmentTheme

class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            GeorgeAssignmentTheme {
                Surface(modifier = Modifier.fillMaxSize()) {
                    LoginScreen { email, password ->
                        // Handle login here
                        if (email == "george@gmail.com" && password == "password") {
                            Toast.makeText(this, "Login Success", Toast.LENGTH_SHORT).show()
                        } else {
                            Toast.makeText(this, "Invalid credentials", Toast.LENGTH_SHORT).show()
                        }
                    }
                }
            }
        }
    }
}

@Composable
fun LoginScreen(onLoginClick: (String, String) -> Unit) {
    Column(
        modifier = Modifier
            .fillMaxSize()
            .padding(24.dp),
        verticalArrangement = Arrangement.Center
    ) {
        Text(
            text = "Sign In",
            style = MaterialTheme.typography.headlineMedium,
            modifier = Modifier.padding(bottom = 24.dp)
        )

        OutlinedTextField(
            value = email,
            onValueChange = { email = it },
            label = { Text("Email") },
            modifier = Modifier.fillMaxWidth(),
            keyboardOptions = KeyboardOptions(
                keyboardType = KeyboardType.Email,
                imeAction = ImeAction.Next
            )
        )

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

        OutlinedTextField(
            value = password,
            onValueChange = { password = it },
            label = { Text("Password") },
            modifier = Modifier.fillMaxWidth(),
            visualTransformation = PasswordVisualTransformation(),
            keyboardOptions = KeyboardOptions(
                keyboardType = KeyboardType.Password,
            )
        )
    }
}
```

Sign In

Email

Password

Login

George Assignment

MainActivity.kt

```
@Composable
fun LoginScreen(onLoginClick: (String, String) -> Unit) {
    var email by remember { mutableStateOf("") }
    var password by remember { mutableStateOf("") }

    Column(
        modifier = Modifier
            .fillMaxSize()
            .padding(24.dp),
        verticalArrangement = Arrangement.Center
    ) {
        Text(
            text = "Sign In",
            style = MaterialTheme.typography.headlineMedium,
            modifier = Modifier.padding(bottom = 24.dp)
        )

        OutlinedTextField(
            value = email,
            onValueChange = { email = it },
            label = { Text("Email") },
            modifier = Modifier.fillMaxWidth(),
            keyboardOptions = KeyboardOptions(
                keyboardType = KeyboardType.Email,
                imeAction = ImeAction.Next
            )
        )

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

        OutlinedTextField(
            value = password,
            onValueChange = { password = it },
            label = { Text("Password") },
            modifier = Modifier.fillMaxWidth(),
            visualTransformation = PasswordVisualTransformation(),
            keyboardOptions = KeyboardOptions(
                keyboardType = KeyboardType.Password,
            )
        )
    }
}
```

Sign In

george@gmail.com

password

Login

Invalid credentials

The screenshot shows the Android Studio interface with the following details:

- Left Panel (Code View):** The file `MainActivity.kt` is open, displaying Kotlin code for a login screen. The code uses Jetpack Compose to define a `LoginScreen` component. It includes fields for email and password, a login button, and logic for handling login click events.
- Top Bar:** Shows the project name "George Assignment", version control status, and the target device "Medium Phone API 36".
- Right Panel (Preview):** Displays a preview of the `LoginScreen`. The screen has a title "Sign In" and two text input fields for "Email" (containing "george@gmail.com") and "Password" (containing "sword"). A blue "Login" button is at the bottom. A success message "Login Success" is shown in a toast at the bottom right.
- Bottom Bar:** Shows the file path "Assignment > app > src > main > java > example > georgeassignment > MainActivity.kt > LoginScreen", along with other settings like font size, encoding, and mode.