MainActivity.kt ×

```kotlin
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) {
```

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```kotlin
        @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,
```

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```kotlin
39      fun LoginScreen(onLoginClick: (String, String) -> Unit) {
40      ) {
58              label = { Text("Email") },
59              modifier = Modifier.fillMaxWidth(),
60              keyboardOptions = KeyboardOptions(
61                  keyboardType = KeyboardType.Email,
62                  imeAction = ImeAction.Next
63              )
64          )
65
66          Spacer(modifier = Modifier.height(16.dp))
67
68          OutlinedTextField(
69              value = password,
70              onValueChange = { password = it },
71              label = { Text("Password") },
72              modifier = Modifier.fillMaxWidth(),
73              visualTransformation = PasswordVisualTransformation(),
74              keyboardOptions = KeyboardOptions(
75                  keyboardType = KeyboardType.Password,
76                  imeAction = ImeAction.Done
77              )
78          )
79
80          Spacer(modifier = Modifier.height(24.dp))
81
82          Button(
83              onClick = { onLoginClick(email, password) },
84              modifier = Modifier.fillMaxWidth()
85          ) {
86              Text("Login")
87          }
88      }
89  }
90
```

Sign In

Email
george@gmail.com

Password
••••••••

Login

Login Success