Assignment 1 – Creation of a login form

Main Activity Code →

```kotlin
package com.courseclass.assignment1loginform

import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
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.padding
import androidx.compose.material3.Button
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.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.text.font.FontFamily
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp
import com.courseclass.assignment1loginform.ui.theme.Assignment1LoginFormTheme

class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            Column(modifier = Modifier.fillMaxSize().background(Color.White),
                horizontalAlignment = Alignment.CenterHorizontally, verticalArrangement
= Arrangement.Center)
            {
                LoginText()
                LoginTextField()
                Column(horizontalAlignment = Alignment.CenterHorizontally)
                {
                    LoginButton()
                }
            }
        }
    }
}

@Composable
fun LoginText()
{
    Text(text = "LOGIN", modifier = Modifier.padding(5.dp), fontSize = 40.sp)
}
```
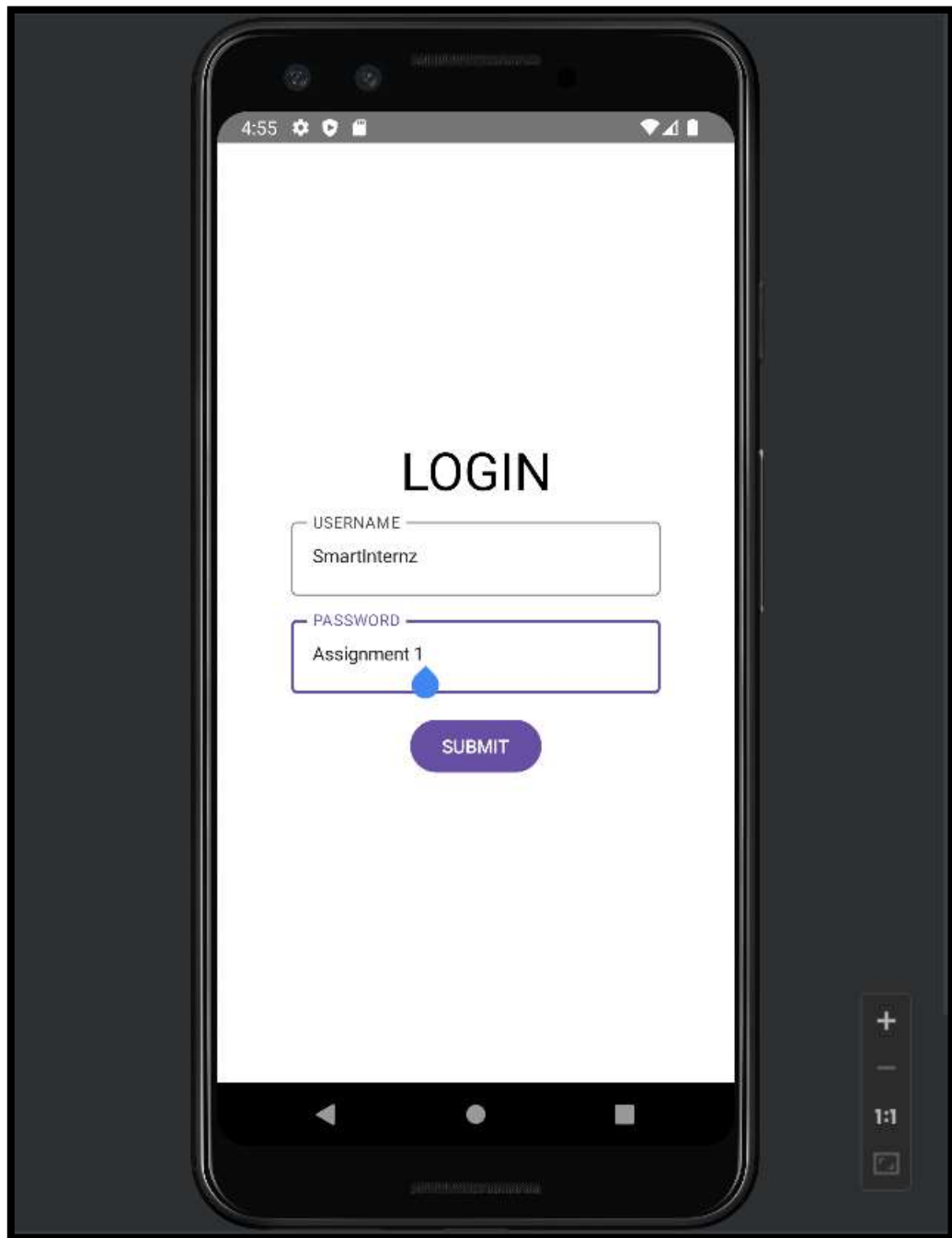
```kotlin
@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun LoginTextField()
{
    var user: String by remember { mutableStateOf("")}
    var pass: String by remember { mutableStateOf("")}
    Column(horizontalAlignment = Alignment.CenterHorizontally, verticalArrangement =
Arrangement.Center) {
        OutlinedTextField(value = user, onValueChange = {it -> user = it}, label = {
Text(text = "USERNAME")})
        Spacer(modifier = Modifier.padding(vertical = 5.dp))
        OutlinedTextField(value = pass, onValueChange = {it -> pass = it}, label = {
Text(text = "PASSWORD")})
    }
}

@Composable
fun LoginButton()
{
    Button(modifier = Modifier.padding(16.dp),onClick = { /*TODO*/ })
    {
        Text(text = "SUBMIT")
    }
}

@Preview
@Composable
fun LoginPreview()
{
    Column(modifier = Modifier.fillMaxSize().background(Color.White),
        horizontalAlignment = Alignment.CenterHorizontally, verticalArrangement =
Arrangement.Center)
    {
        LoginText()
        LoginTextField()
        Column(horizontalAlignment = Alignment.CenterHorizontally)
        {
            LoginButton()
        }
    }
}
```

Device Screenshot →

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