Assignment 3

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MainActivty.kt

```kotlin
package com.example.loginpage

import android.content.ActivityNotFoundException
import android.content.Intent
import android.net.Uri
import android.net.UrlQuerySanitizer
import android.os.Bundle
import android.widget.Toast
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.Image
import androidx.compose.foundation.layout.*
import androidx.compose.foundation.text.KeyboardActions
import androidx.compose.foundation.text.KeyboardOptions
import androidx.compose.material3.*
import androidx.compose.runtime.*
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.ImeAction
import androidx.compose.ui.text.input.KeyboardType
import androidx.compose.ui.unit.dp
import com.example.loginpage.ui.theme.LoginPageTheme
import androidx.compose.material3.MaterialTheme
import androidx.compose.ui.text.TextStyle
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.sp
import java.net.URL


class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            LoginPageTheme {
                // A surface container using the 'background' color from
the theme
                Surface(
                    modifier = Modifier.fillMaxSize(),
                    color = MaterialTheme.colorScheme.background
                ) {
                    LoginScreen()
                }
            }
        }
    }
}

@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun LoginScreen() {
```

```kotlin
    var username by remember { mutableStateOf(value = "") }
    var password by remember { mutableStateOf(value = "") }
    val context = LocalContext.current
    Column(
        modifier = Modifier
            .fillMaxSize()
            .padding(16.dp),
        verticalArrangement = Arrangement.Center,
        horizontalAlignment = Alignment.CenterHorizontally
    ) {
        Image(
            painter = painterResource(id = R.drawable.login1),
            contentDescription = "Login Image",
            modifier = Modifier
                .size(150.dp)
                .padding(16.dp)
        )

        Text(
            text = "Login",
            style = TextStyle(
                fontSize = 42.sp, // Adjust the font size as needed
                fontWeight = FontWeight.Bold,
                color = Color(0xFF476810)
            )
        )

        OutlinedTextField(
            value = username,
            onValueChange = { username = it },
            label = { Text(text = "Username") },
            modifier = Modifier.fillMaxWidth()
        )

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

        OutlinedTextField(
            value = password,
            onValueChange = { password = it },
            label = { Text(text = "Password") },
            keyboardOptions = KeyboardOptions(
                keyboardType = KeyboardType.Password,
                imeAction = ImeAction.Done
            ),
            keyboardActions = KeyboardActions(
                onDone = {
                    // Handle login here
                }
            ),
            modifier = Modifier.fillMaxWidth()
        )
        Spacer(modifier = Modifier.height(16.dp))

        // Login button
        Button(
            onClick = {

                val url = "https://www.google.com"
                val intent = Intent(Intent.ACTION_VIEW, Uri.parse(url))

                try {
                    context.startActivity(intent)
                } catch (e: ActivityNotFoundException) {

                }
```

```kotlin
                },
                modifier = Modifier.fillMaxWidth()
            ) {
                Text(text = "Open Google")
            }
            Button(
                onClick = {

                    val url = "https://www.amazon.com"
                    val intent = Intent(Intent.ACTION_VIEW, Uri.parse(url))

                    try {
                        context.startActivity(intent)
                    } catch (e: ActivityNotFoundException) {

                    }

                },
                modifier = Modifier.fillMaxWidth()
            ) {
                Text(text = "Open Amazon")
            }
            Button(
                onClick = {

                    val url = "https://www.snapchat.com"
                    val intent = Intent(Intent.ACTION_VIEW, Uri.parse(url))

                    try {
                        context.startActivity(intent)
                    } catch (e: ActivityNotFoundException) {

                    }

                },
                modifier = Modifier.fillMaxWidth()
            ) {
                Text(text = "Open Snapchat")
            }
            Button(
                onClick = {

                    val url = "https://www.twitter.com"
                    val intent = Intent(Intent.ACTION_VIEW, Uri.parse(url))

                    try {
                        context.startActivity(intent)
                    } catch (e: ActivityNotFoundException) {

                    }

                },
                modifier = Modifier.fillMaxWidth()
            ) {
                Text(text = "Open X")
            }
        }
    }
}

@Preview(showBackground = true)
@Composable
fun PreviewLoginScreen() {
    LoginPageTheme {
        LoginScreen()
    }
}
```

```
    }
}
```

AndroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">
    <uses-permission android:name="android.permission.INTERNET"/>
    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.LoginPage"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity"
            android:exported="true"
            android:label="@string/app_name"
            android:theme="@style/Theme.LoginPage">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER"
/>
            </intent-filter>
        </activity>
    </application>

</manifest>
```