Android app development-SmartInternz (Assignment-3)

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MainActivity.kt

code:

```kotlin
package com.example.login1

import android.content.ActivityNotFoundException
import android.content.Intent
import android.net.Uri
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.Arrangement
import androidx.compose.foundation.layout.Column
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.KeyboardActions
import androidx.compose.foundation.text.KeyboardOptions
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.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.modifier.modifierLocalConsumer
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.tooling.preview.Preview
import androidx.compose.ui.unit.dp
import com.example.login1.ui.theme.Login1Theme

@ExperimentalMaterial3Api
class MainActivity : ComponentActivity() {
```

```kotlin
        override fun onCreate(savedInstanceState: Bundle?) {
            super.onCreate(savedInstanceState)
            setContent {
                LoginScreen1()
            }
        }
    }
}

@ExperimentalMaterial3Api
@Composable
fun LoginScreen1() {
    var username by remember { mutableStateOf("") }
    var password by remember { mutableStateOf("") }
    val context = LocalContext.current
    Column(
        modifier = Modifier
            .fillMaxSize()
            .padding(16.dp),
        verticalArrangement = Arrangement.Center,
        horizontalAlignment = Alignment.CenterHorizontally
    ) {
        Image(
            painter = painterResource(id = R.drawable.login),
            contentDescription = "Login Image",
            modifier = Modifier
                .size(150.dp)
                .padding(16.dp)
        )
        Text(text = "Login",
            style = MaterialTheme.typography.headlineLarge.copy(color =
Color(0xFF476810))
        )
        OutlinedTextField(
            value = username ,
            onValueChange = { username= it },
            label = { Text("Username") },
            modifier = Modifier.fillMaxWidth()
        )

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

        OutlinedTextField(
            value = password ,
            onValueChange = { password = it },
            label = { Text("password") },
            keyboardOptions = KeyboardOptions(
                keyboardType = KeyboardType.Number,
                imeAction = ImeAction.Done
            ),
            keyboardActions = KeyboardActions(
                onDone = {
                    //handle login here
                }
            ),
            modifier = Modifier.fillMaxWidth()
        )

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

        Button(
            onClick = {
```

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

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

            }

        },
        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.youtube.com"
            val intent = Intent(Intent.ACTION_VIEW, Uri.parse(url))

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

            }

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

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

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

            }
```

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

@ExperimentalMaterial3Api
@Preview
@Composable
fun PreviewLoginScreen() {
    LoginScreen1()
}
```

AndroidManifest.xml

code:

```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">

    <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.Login1"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity"
            android:exported="true"
            android:label="@string/app_name"
            android:theme="@style/Theme.Login1">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

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

</manifest>
```
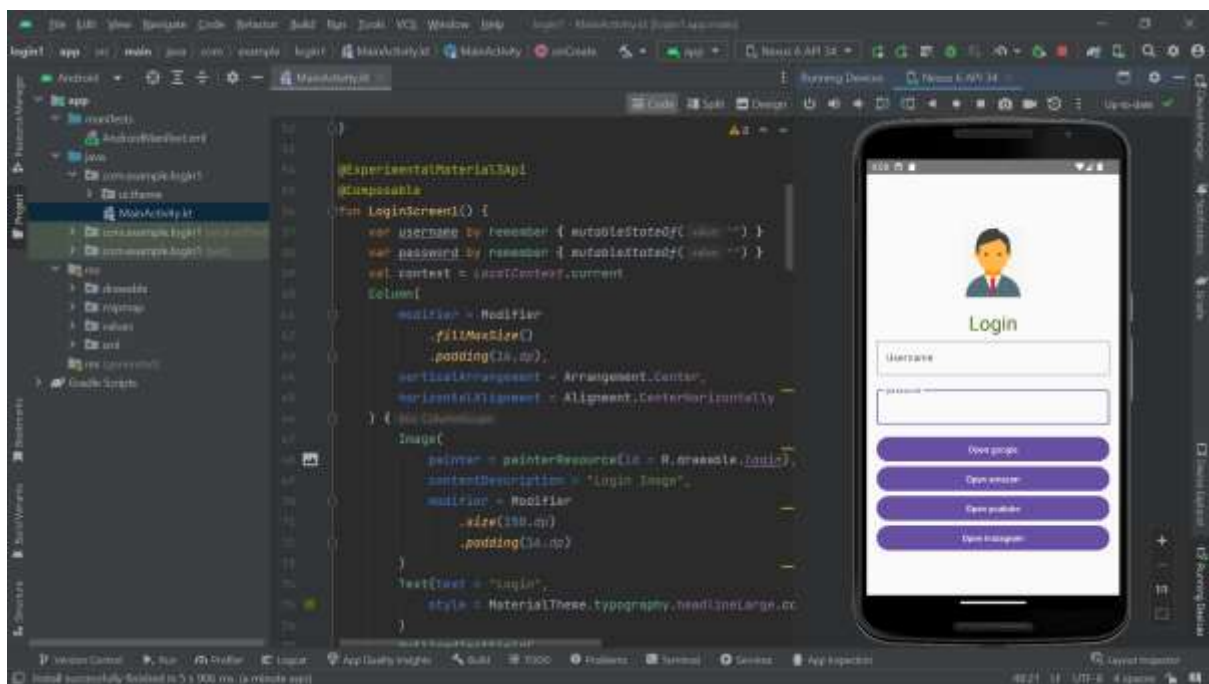
Output:

Preview: