

SmartBridge Assignment-3

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App Development

```
1 package com.example.loginscreen
2
3 import android.os.Bundle
4 import androidx.activity.ComponentActivity
5 import androidx.activity.compose.setContent
6 import androidx.compose.foundation.Image
7 import androidx.compose.foundation.background
8 import androidx.compose.foundation.layout.*
9 import androidx.compose.foundation.text.KeyboardActions
10 import androidx.compose.foundation.text.KeyboardOptions
11 import androidx.compose.material3.*
12 import androidx.compose.runtime.*
13 import androidx.compose.ui.Alignment
14 import androidx.compose.ui.Modifier
15 import androidx.compose.ui.draw.clip
16 import androidx.compose.ui.graphics.Color
17 import androidx.compose.ui.platform.LocalContext
18 import androidx.compose.ui.platform.LocalUriHandler
19 import androidx.compose.ui.platform.UriHandler
20 import androidx.compose.ui.res.painterResource
21 import androidx.compose.ui.text.input.ImeAction
22 import androidx.compose.ui.tooling.preview.Preview
23 import androidx.compose.ui.unit.dp
24
25 class MainActivity : ComponentActivity() {
26     override fun onCreate(savedInstanceState: Bundle?) {
27         super.onCreate(savedInstanceState)
28         setContent {
29             LoginScreen()
30         }
31     }
32 }
33
34 @OptIn(ExperimentalMaterial3Api::class)
35 @Composable
36 fun LoginScreen() {
37     val context = LocalContext.current
38     val uriHandler = LocalUriHandler.current
39     var username by remember { mutableStateOf("") }
40     var password by remember { mutableStateOf("") }
41
42     Column(
43         modifier = Modifier
44             .fillMaxSize()
45             .background(Color.Gray),
46         horizontalAlignment = Alignment.CenterHorizontally,
47         verticalArrangement = Arrangement.Center
48     ) { this: ColumnScope
49         Image(
50             painter = painterResource(id = R.drawable.profilepic)
```

```

49         Image(
50             painter = painterResource(id = R.drawable.profilepic),
51             contentDescription = "Profile Picture",
52             modifier = Modifier
53                 .size(100.dp) // Adjust the size as needed
54                 .padding(16.dp)
55                 .clip(MaterialTheme.shapes.small)
56         )
57
58         TextField(
59             value = username,
60             onValueChange = { username = it },
61             label = { Text(text = "Username") },
62             modifier = Modifier.padding(16.dp)
63         )
64         TextField(
65             value = password,
66             onValueChange = { password = it },
67             label = { Text(text = "Password") },
68             keyboardOptions = KeyboardOptions.Default.copy(imeAction = ImeAction.Done),
69             keyboardActions = KeyboardActions(
70                 onDone = { this: KeyboardActionScope
71
72                     }
73             ),
74             modifier = Modifier.padding(16.dp)

```

```

73         ),
74         modifier = Modifier.padding(16.dp)
75     )
76
77     Button(
78         onClick = {
79
80         },
81         modifier = Modifier.padding(16.dp)
82     ) { this: RowScope
83         Text(text = "Login")
84     }
85
86     Row(
87         modifier = Modifier.fillMaxWidth(),
88         horizontalArrangement = Arrangement.SpaceEvenly
89     ) { this: RowScope
90         WebLinkButton(text = "Amazon", url = "https://www.amazon.com", uriHandler)
91         WebLinkButton(text = "Google", url = "https://www.google.com", uriHandler)
92         WebLinkButton(text = "Instagram", url = "https://www.instagram.com", uriHandler)
93     }
94 }
95

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```

91         WebLinkButton(text: "Google", url: "https://www.google.com", uriHandler)
92         WebLinkButton(text: "Instagram", url: "https://www.instagram.com", uriHandler)
93     }
94 }
95 }
96
97 @OptIn(ExperimentalMaterial3Api::class)
98 @Composable
99 fun WebLinkButton(text: String, url: String, uriHandler: UriHandler) {
100     Button(
101         onClick = {
102             uriHandler.openUri(url)
103         },
104         modifier = Modifier.padding(8.dp)
105     ) { this: RowScope
106         Text(text = text)
107     }
108 }
109
110 @Composable
111 @Preview
112 fun LoginScreenPreview(){
113     LoginScreen()
114 }
115

```





