

SmartBridge Assignment-1

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App Development

```
1 package com.example.myapplication28
2
3 import android.os.Bundle
4 import androidx.activity.ComponentActivity
5 import androidx.activity.compose.setContent
6 import androidx.compose.foundation.background
7 import androidx.compose.foundation.layout.*
8 import androidx.compose.foundation.text.BasicTextField
9 import androidx.compose.material3.*
10 import androidx.compose.runtime.*
11 import androidx.compose.ui.Alignment
12 import androidx.compose.ui.Modifier
13 import androidx.compose.ui.graphics.Color
14 import androidx.compose.ui.text.input.TextFieldValue
15 import androidx.compose.ui.unit.dp
16 import androidx.compose.ui.unit.sp
17 import androidx.compose.ui.tooling.preview.Preview
18 import androidx.compose.ui.text.font.FontWeight
19 import androidx.compose.ui.text.TextStyle
20
21 class MainActivity : ComponentActivity() {
22     override fun onCreate(savedInstanceState: Bundle?) {
23         super.onCreate(savedInstanceState)
24         setContent {
25             AssignmentSubmissionScreen()
26         }
27     }
28 }
```

```
30 @Composable
31 fun AssignmentSubmissionScreen() {
32     var textState by remember { mutableStateOf(TextFieldValue()) }
33     var isSnackBarVisible by remember { mutableStateOf(value = false) }
34
35     Column(
36         modifier = Modifier
37             .fillMaxSize()
38             .padding(16.dp),
39         verticalArrangement = Arrangement.Top,
40         horizontalAlignment = Alignment.CenterHorizontally
41     ) { this: ColumnScope
42         Text(
43             text = "Assignment Submission",
44             style = TextStyle(fontSize = 24.sp, fontWeight = FontWeight.Bold),
45             modifier = Modifier.padding(16.dp)
46         )
47
48         Spacer(modifier = Modifier.height(16.dp))
49
50         Box(
51             modifier = Modifier
52                 .fillMaxWidth()
53                 .weight(1f),
```

```

55     ) { this: BoxScope
56         Column(
57             horizontalAlignment = Alignment.CenterHorizontally,
58             verticalArrangement = Arrangement.Center
59         ) { this: ColumnScope
60             BasicTextField(
61                 value = textState.text,
62                 onValueChange = { it: String
63                     | textState = TextFieldValue(it)
64                 },
65                 textStyle = TextStyle(fontSize = 20.sp),
66                 modifier = Modifier
67                     .background(Color.LightGray)
68                     .fillMaxWidth()
69                     .padding(16.dp)
70             )
71
72             Spacer(modifier = Modifier.height(16.dp))
73
74             Button(
75                 onClick = {
76                     isSnackBarVisible = true
77                 }
78             ) { this: RowScope
79                 Text(text = "Submit")
80             }

```

```

80         }
81     }
82 }
83
84 Spacer(modifier = Modifier.height(16.dp))
85
86 if (isSnackBarVisible) {
87     SnackBar(
88         modifier = Modifier.padding(16.dp),
89         action = {
90             TextButton(
91                 onClick = {
92                     isSnackBarVisible = false
93                 }
94             ) { this: RowScope
95                 Text(text = "Dismiss")
96             }
97         }
98     ) {
99         Text(text = "Submitted")
100     }
101 }
102 }
103 }

```



