ASSIGNMENT-03

ANDROID APP DEVELOPMENT

NAME.: M.NANAJI

REG NO.: 21BCE7007

CAMPUS.: VIT-AP UNIVERSITY

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LOGIN PAGE

```kotlin
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp

@ExperimentalComposeUiApi
class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            MyApp()
        }
    }
}
@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun MyApp() {
    var selectedOption by remember { mutableStateOf( value: 0) }
            .background(Color.White)
    ) { this: BoxScope
        // Background Image
        Image(
            painter = painterResource(id = R.drawable.img_7),
            contentDescription = null,
            contentScale = ContentScale.Crop,
            modifier = Modifier.fillMaxSize()
        )

        Column(
            modifier = Modifier
                .fillMaxSize()
                .padding(4.dp),
            horizontalAlignment = Alignment.CenterHorizontally
        ) { this: ColumnScope
            Text(
                text = "Login",
                style = MaterialTheme.typography.bodyMedium.copy(
                    fontSize = 30.sp,
                    fontWeight = FontWeight.Bold,
                    color = Color( color: 0xFF476810)
                )
            )
            Spacer(modifier = Modifier.height(16.dp))
            Image(
                painter = painterResource(id = R.drawable.img_1),
                contentDescription = null,
                contentScale = ContentScale.Crop,
                modifier = Modifier
                    .height(200.dp)
                    .width(400.dp)
            )

            Spacer(modifier = Modifier.height(20.dp))
            //Username TextField
            OutlinedTextField(
                value = username,
                onValueChange = { username = it },
                label = { Text(text = "Username") },
                modifier = Modifier
                    .width(270.dp)
                    .height(60.dp)
            )

            Spacer(modifier = Modifier.height(8.dp))
```

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```kotlin
 97         OutlinedTextField(
 98             value = password,
 99             onValueChange = { password = it },
100             label = { Text(text = "password") },
101             keyboardActions = KeyboardActions(
102                 onDone = { this: KeyboardActionScope
103                     //Handle Login Here
104                 }
105             ),
106             modifier = Modifier
107                 .width(270.dp)
108                 .height(60.dp)
109         )
110         Spacer(modifier = Modifier.height(16.dp))
111         Text(
112             text = "Select the option to visit the website",
113             style = MaterialTheme.typography.bodyMedium.copy(
```

```kotlin
121
122         // Center the radio buttons below the password field
123         Column(
124             modifier = Modifier
125                 .fillMaxWidth()
126                 .padding(1.dp), // Decreased padding
127             horizontalAlignment = Alignment.CenterHorizontally
128         ) { this: ColumnScope
129             RadioOption(
130                 text = "AMAZON",
131                 selected = selectedOption == 0,
132                 onSelected = { selectedOption = 0 }
133
134             )
135             RadioOption(
136                 text = "FLIPCART",
137                 selected = selectedOption == 1,
138                 onSelected = { selectedOption = 1 }
139             )
140             RadioOption(
141                 text = "MEESHO",
142                 selected = selectedOption == 2,
143                 onSelected = { selectedOption = 2 }
144             )
```

```kotlin
145             RadioOption(
146                 text = "AJIO",
147                 selected = selectedOption == 3,
148                 onSelected = { selectedOption = 3 }
149             )
150         }
151
152         Spacer(modifier = Modifier.height(8.dp)) // Decreased spacer height
153
154         Box(
155             modifier = Modifier
156                 .padding(4.dp) // Decreased padding
157         ) { this: BoxScope
158             Button(
159                 {
160                     val urls = arrayOf(
161                         "https://www.amazon.com/",
162                         "https://www.flipkart.com/",
163                         "https://www.meesho.com/",
164                         "https://www.ajio.com/"
165                     )
166
167                     val selectedUrl = urls.getOrNull(selectedOption)
168
```

```
169            when (selectedOption) {
170                0, 1, 2, 3 -> {
171                    if (!selectedUrl.isNullOrBlank()) {
172                        val intent = Intent(Intent.ACTION_VIEW, Uri.parse(selectedUrl))
173                        context.startActivity(intent)
174                    }
175                }
176
177                else -> {
178                    // Handle the case where no option is selected
179                }
180            }
181        }, Modifier
182            .padding(1.dp),
183        // Decreased padding
184
185            ) { this: RowScope
193        onSelected: () -> Unit
194    ) {
195        Row(
196            modifier = Modifier
197                .fillMaxWidth()
198                .padding(2.dp)
199                .clickable { onSelected() },
200            verticalAlignment = Alignment.CenterVertically // Align content vertically
201        ) { this: RowScope
202            RadioButton(
203                selected = selected,
204                onClick = { onSelected() }
205            )
206            Spacer(modifier = Modifier.width(8.dp))
207            Text(text)
208        }
209    }
210    @OptIn(ExperimentalComposeUiApi::class)
211    @Composable
212    @Preview(showBackground = true)
213    fun PreviewMyApp(){
214        MyApp()
215    }
```

CODE:

```kotlin
package com.example.radiobuttons
import android.content.Intent
import android.net.Uri
import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.Image
import androidx.compose.foundation.background
import androidx.compose.foundation.clickable
import androidx.compose.foundation.layout.*
import androidx.compose.foundation.text.BasicTextField
import androidx.compose.foundation.text.KeyboardActions
import androidx.compose.foundation.text.KeyboardOptions
import androidx.compose.material3.*
import androidx.compose.runtime.*
```

```kotlin
import androidx.compose.ui.Alignment
import androidx.compose.ui.ExperimentalComposeUiApi
import androidx.compose.ui.Modifier
import androidx.compose.ui.graphics.Color
import androidx.compose.ui.layout.ContentScale
import androidx.compose.ui.platform.*
import androidx.compose.ui.res.painterResource
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.text.input.KeyboardType
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp
import androidx.compose.ui.text.TextStyle

@ExperimentalComposeUiApi
class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            MyApp()
        }
    }
}
@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun MyApp() {
    var selectedOption by remember { mutableStateOf(0) }
    var username by remember { mutableStateOf(" ") }
    var password by remember { mutableStateOf(" ") }
    val context = LocalContext.current

    Box(
        modifier = Modifier
            .fillMaxSize()
            .background(Color.White)
    ) {
        // Background Image
        Image(
            painter = painterResource(id = R.drawable.img_7),
            contentDescription = null,
            contentScale = ContentScale.Crop,
            modifier = Modifier.fillMaxSize()
        )

        Column(
            modifier = Modifier
                .fillMaxSize()
                .padding(4.dp),
            horizontalAlignment = Alignment.CenterHorizontally
        ) {
            Text(
                text = "Login",
                style = MaterialTheme.typography.bodyMedium.copy(
                    fontSize = 30.sp,
                    fontWeight = FontWeight.Bold,
                    color = Color(0xFF476810)
```

```kotlin
            )
        )
        Spacer(modifier = Modifier.height(16.dp))
        Image(
            painter = painterResource(id = R.drawable.img_1),
            contentDescription = null,
            contentScale = ContentScale.Crop,
            modifier = Modifier
                .height(200.dp)
                .width(400.dp)
        )

        Spacer(modifier = Modifier.height(20.dp))
        //Username TextField
        OutlinedTextField(
            value = username,
            onValueChange = { username = it },
            label = { Text(text = "Username") },
            modifier = Modifier
                .width(270.dp)
                .height(60.dp)
        )

        Spacer(modifier = Modifier.height(8.dp))

        OutlinedTextField(
            value = password,
            onValueChange = { password = it },
            label = { Text(text = "password") },
            keyboardActions = KeyboardActions(
                onDone = {
                    //Handle Login Here
                }
            ),
            modifier = Modifier
                .width(270.dp)
                .height(60.dp)
        )
        Spacer(modifier = Modifier.height(16.dp))
        Text(
            text = "Select the option to visit the website",
            style = MaterialTheme.typography.bodyMedium.copy(
                fontSize = 20.sp,
                fontWeight = FontWeight.Bold,
                color = Color(0xFFF44336)
            )

        )


        // Center the radio buttons below the password field
        Column(
            modifier = Modifier
                .fillMaxWidth()
                .padding(1.dp), // Decreased padding
```

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```kotlin
                horizontalAlignment = Alignment.CenterHorizontally
        ) {
            RadioOption(
                text = "AMAZON",
                selected = selectedOption == 0,
                onSelected = { selectedOption = 0 }

            )
            RadioOption(
                text = "FLIPCART",
                selected = selectedOption == 1,
                onSelected = { selectedOption = 1 }
            )
            RadioOption(
                text = "MEESHO",
                selected = selectedOption == 2,
                onSelected = { selectedOption = 2 }
            )
            RadioOption(
                text = "AJIO",
                selected = selectedOption == 3,
                onSelected = { selectedOption = 3 }
            )
        }

        Spacer(modifier = Modifier.height(8.dp)) // Decreased
spacer height

        Box(
            modifier = Modifier
                .padding(4.dp) // Decreased padding
        ) {
            Button(
                {
                    val urls = arrayOf(
                        "https://www.amazon.com/",
                        "https://www.flipkart.com/",
                        "https://www.meesho.com/",
                        "https://www.ajio.com/"
                    )

                    val selectedUrl =
urls.getOrNull(selectedOption)

                    when (selectedOption) {
                        0, 1, 2, 3 -> {
                            if (!selectedUrl.isNullOrBlank()) {
                                val intent =
Intent(Intent.ACTION_VIEW, Uri.parse(selectedUrl))
                                context.startActivity(intent)
                            }
                        }

                        else -> {
                            // Handle the case where no option
is selected
```

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```kotlin
                        }
                    }
                }, Modifier
                    .padding(1.dp),
                // Decreased padding

            ) {
                Text("Click Here To Open The selected Ecart
Website", color = Color.Black)

            } } } } }
@Composable
fun RadioOption(
    text: String,
    selected: Boolean,
    onSelected: () -> Unit
) {
    Row(
        modifier = Modifier
            .fillMaxWidth()
            .padding(2.dp)
            .clickable { onSelected() },
        verticalAlignment = Alignment.CenterVertically // Align
content vertically
    ) {
        RadioButton(
            selected = selected,
            onClick = { onSelected() }
        )
        Spacer(modifier = Modifier.width(8.dp))
        Text(text)
    }
}
@OptIn(ExperimentalComposeUiApi::class)
@Composable
@Preview(showBackground = true)
fun PreviewMyApp(){
    MyApp()
}
```

OUTPUT

Login

Username

password

Select the option to visit the website

○ AMAZON

○ FLIPCART

○ MEESHO

◉ AJIO

Click Here To Open The selected Ecart Website

THE END