

ANDROID APPLICATION DEVELOPMENT

ASSIGNMENT 3

GITHUBLINK: <https://github.com/smartinternz02/SI-GuidedProject-580265-1694177702>

Code :

Mainactivity.kt:

```
package main.course.com.example.assignment3

import android.content.Intent
import android.net.Uri
import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.rememberLauncherForActivityResult
import androidx.activity.compose.setContent
import androidx.activity.result.ActivityResultLauncher
import androidx.activity.result.contract.ActivityResultContracts
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.KeyboardActions.Companion.Default
//import androidx.compose.foundation.text.KeyboardActions.Companion.Search
import androidx.compose.foundation.text.KeyboardOptions
import androidx.compose.material.icons.Icons
import androidx.compose.material.icons.filled.Info
import androidx.compose.material.icons.filled.Person
import androidx.compose.material3.*
import androidx.compose.runtime.*
import androidx.compose.ui.Alignment
import androidx.compose.ui.Modifier
import androidx.compose.ui.draw.clip
import androidx.compose.ui.draw.scale
```

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import androidx.compose.ui.graphics.Color
import androidx.compose.ui.graphics.painter.Painter
import androidx.compose.ui.res.painterResource
import androidx.compose.ui.text.font.FontFamily
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.text.input.ImeAction
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp

import main.course.com.example.assignment3.ui.theme.ASSIGNMENT3Theme

class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            LoginPage()
        }
    }
}

@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun LoginPage() {
    var username by remember { mutableStateOf("") }
    var password by remember { mutableStateOf("") }
    val launcher =
rememberLauncherForActivityResult(ActivityResultContracts.StartActivityForResult()) { }

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

    Column(
        modifier = Modifier
            .fillMaxSize()
            .padding(20.dp),
        verticalArrangement = Arrangement.Center,
        horizontalAlignment = Alignment.CenterHorizontally
    ) {
        Text(
            text = "Ecommerce Login",
            color = Color.Blue,
            fontFamily = FontFamily.Monospace,
            fontWeight = FontWeight.Bold,
            fontSize = 30.sp
        )

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

        OutlinedTextField(
            value = username,
            onValueChange = { username = it },
            label = { Text(text = "Username") },
            placeholder = { Text(text = "Enter username") },
            leadingIcon = { Icon(imageVector = Icons.Default.Person,
contentDescription = "Person") },

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        modifier = Modifier
            .fillMaxWidth()
            .padding(8.dp)
    )

    OutlinedTextField(
        value = password,
        onChange = { password = it },
        label = { Text(text = "Password") },
        placeholder = { Text(text = "Enter password") },
        leadingIcon = { Icon(imageVector = Icons.Default.Info,
contentDescription = "Info") },
        keyboardOptions = KeyboardOptions.Default.copy(
            imeAction = ImeAction.Done
        ),
        keyboardActions = KeyboardActions(onDone = { /* Handle login
here */ }),
        modifier = Modifier
            .fillMaxWidth()
            .padding(8.dp)
    )

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

    Row(
        modifier = Modifier.fillMaxWidth(),
        horizontalArrangement = Arrangement.SpaceBetween
    ) {
        LogoButton(
            logoResource = R.drawable.amazon,
            websiteUrl = "https://www.amazon.in",
            launcher = launcher
        )

        LogoButton(
            logoResource = R.drawable.flipkart,
            websiteUrl = "https://www.flipkart.com",
            launcher = launcher
        )
    }

    Spacer(modifier = Modifier.height(16.dp))
    Row(
        modifier = Modifier.fillMaxWidth(),
        horizontalArrangement = Arrangement.SpaceBetween
    ) {
        LogoButton(
            logoResource = R.drawable.myntra1,
            websiteUrl = "https://www.myntra.com",
            launcher = launcher
        )

        LogoButton(
            logoResource = R.drawable.ajio,
            websiteUrl = "https://www.ajio.com",
            launcher = launcher
        )
    }

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    }
}

@Composable
fun LogoButton(logoResource: Int, websiteUrl: String, launcher:
ActivityResultLauncher<Intent>) {
    val painter: Painter = painterResource(id = logoResource)
    Box(
        modifier = Modifier.clickable {
            val intent = Intent(Intent.ACTION_VIEW, Uri.parse(websiteUrl))
            launcher.launch(intent)
        }
    ) {
        Image(
            painter = painter,
            contentDescription = null,
            modifier = Modifier
                .size(100.dp)
                .clip(shape = MaterialTheme.shapes.large)
                .background(MaterialTheme.colorScheme.secondary)
                .padding(12.dp)
        )
    }
}

```

Screenshot :

