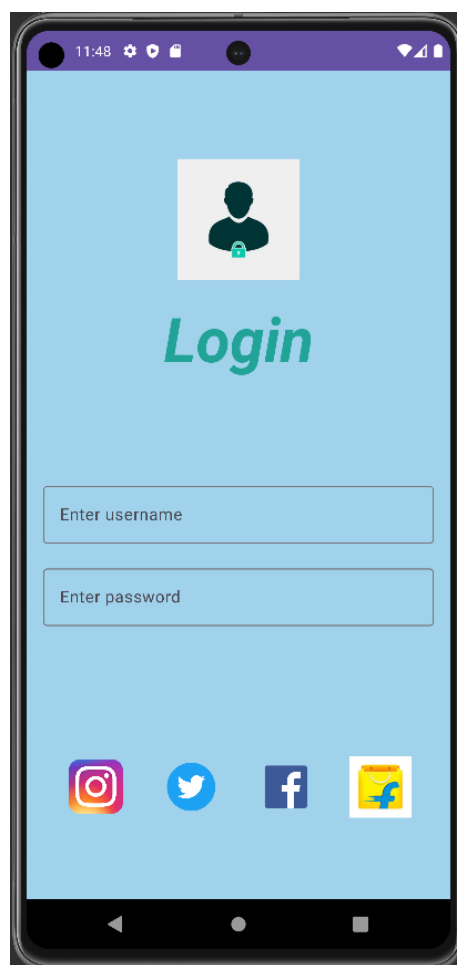# Assignment-3

Navigation

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About Project:

This is project where we mainly focussed on navigation . After entering password ,we get list of 4 websites. After choosing one site we can open website

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MainActivity.kt

```kotlin
package com.example.loginapp


import android.content.ActivityNotFoundException
import android.content.Intent
import android.net.Uri
import android.net.UrlQuerySanitizer
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.background
import androidx.compose.foundation.clickable
import androidx.compose.foundation.layout.*
import androidx.compose.foundation.text.KeyboardActions
import androidx.compose.foundation.text.KeyboardOptions
import androidx.compose.material3.*
import androidx.compose.runtime.*
import androidx.compose.ui.Alignment
import androidx.compose.ui.Modifier
import androidx.compose.ui.graphics.Color
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.unit.dp
import com.example.loginapp.ui.theme.LoginAppTheme
import androidx.compose.material3.MaterialTheme
import androidx.compose.ui.graphics.painter.Painter
import androidx.compose.ui.text.TextStyle
import androidx.compose.ui.text.font.FontStyle
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.sp


class MainActivity : ComponentActivity() {
    val backgroundColor = Color(0xFFA0D2EB) // Define the background color
here
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            LoginAppTheme() {
                // A surface container using the 'background' color from
the theme
                Surface(
                    modifier = Modifier.fillMaxSize(),
                    color = backgroundColor // Use backgroundColor here
                ) {
                    LoginScreen()
                }
            }
        }
    }
}
```

```kotlin
@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun LoginScreen() {
    var username by remember { mutableStateOf(value = "") }
    var password by remember { mutableStateOf(value = "") }
    val context = LocalContext.current

    Column(
        modifier = Modifier
            .fillMaxSize()
            .padding(16.dp),
        verticalArrangement = Arrangement.Center,
        horizontalAlignment = Alignment.CenterHorizontally
    ) {
        Image(
            painter = painterResource(id = R.drawable.lp),
            contentDescription = "Login Image",
            modifier = Modifier
                .size(150.dp)
                .padding(16.dp)
        )

        Text(
            text = "Login",
            style = TextStyle(
                fontSize = 60.sp,
                fontStyle = FontStyle.Italic,
                fontWeight = FontWeight.Bold,
                color = Color(0xFF21A397)
            )
        )
        Spacer(modifier = Modifier.height(80.dp))

        OutlinedTextField(
            value = username,
            onValueChange = { username = it },
            label = { Text(text = "Enter username") },
            modifier = Modifier
                .fillMaxWidth()
                .padding(vertical = 16.dp)
        )

        OutlinedTextField(
            value = password,
            onValueChange = { password = it },
            label = { Text(text = "Enter password") },
            keyboardOptions = KeyboardOptions(
                keyboardType = KeyboardType.Password,
                imeAction = ImeAction.Done
            ),
            keyboardActions = KeyboardActions(
                onDone = {
                    // Handle login here
                }
            ),
            modifier = Modifier
                .fillMaxWidth()
                .padding(bottom = 16.dp)
        )
```

```kotlin
        Spacer(modifier = Modifier.height(100.dp)) // Add more space here

        Row(
            modifier = Modifier.fillMaxWidth(),
            horizontalArrangement = Arrangement.SpaceEvenly
        ) {
            ImageViewButton(
                painter = painterResource(id = R.drawable.instagram),
                onClick = { openLink(context, "https://www.instagram.com/")
}
            )

            ImageViewButton(
                painter = painterResource(id = R.drawable.twitter),
                onClick = { openLink(context, "https://twitter.com/") }
            )

            ImageViewButton(
                painter = painterResource(id = R.drawable.facebook),
                onClick = { openLink(context, "https://www.facebook.com/")
}
            )
        }
    }
}

@Composable
fun ImageViewButton(
    painter: Painter,
    onClick: () -> Unit
) {
    Box(
        modifier = Modifier
            .size(80.dp)
            .clickable { onClick() },
        contentAlignment = Alignment.Center,
    ) {
        Image(
            painter = painter,
            contentDescription = null,
            modifier = Modifier.size(60.dp)
        )
    }
}

fun openLink(context: android.content.Context, link: String) {
    val intent = Intent(Intent.ACTION_VIEW, Uri.parse(link))
    context.startActivity(intent)
}
@Preview(showBackground = true)
@Composable
fun PreviewLoginScreen() {
    LoginAppTheme() {
        LoginScreen()
    }
}
```
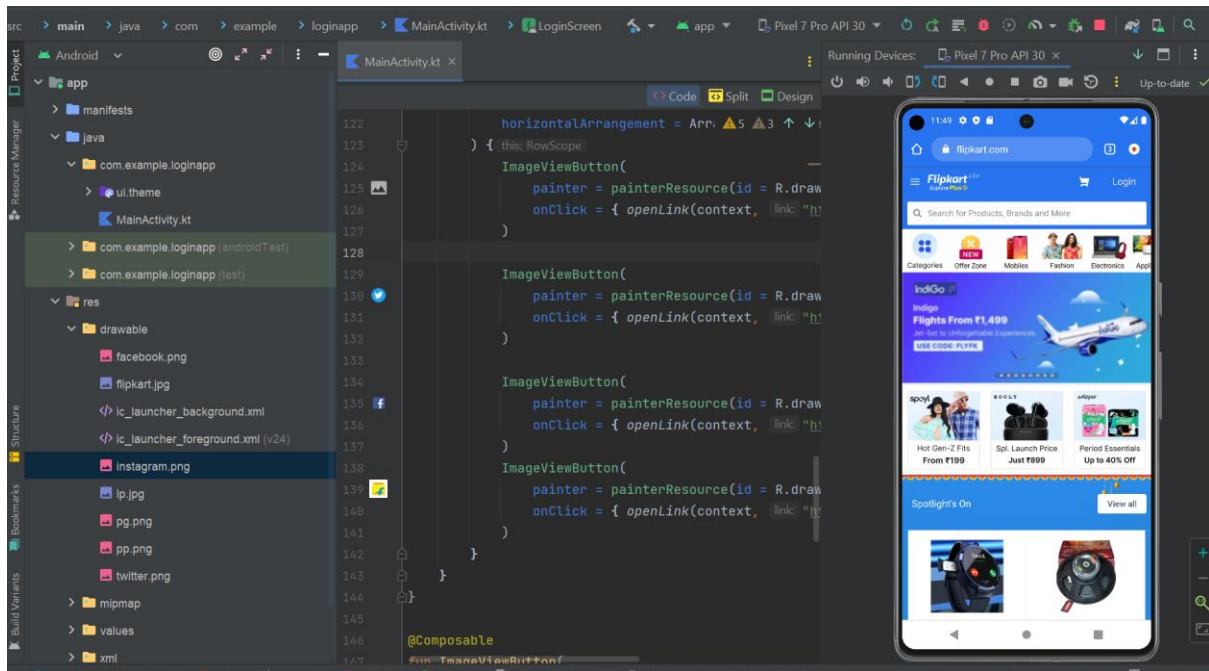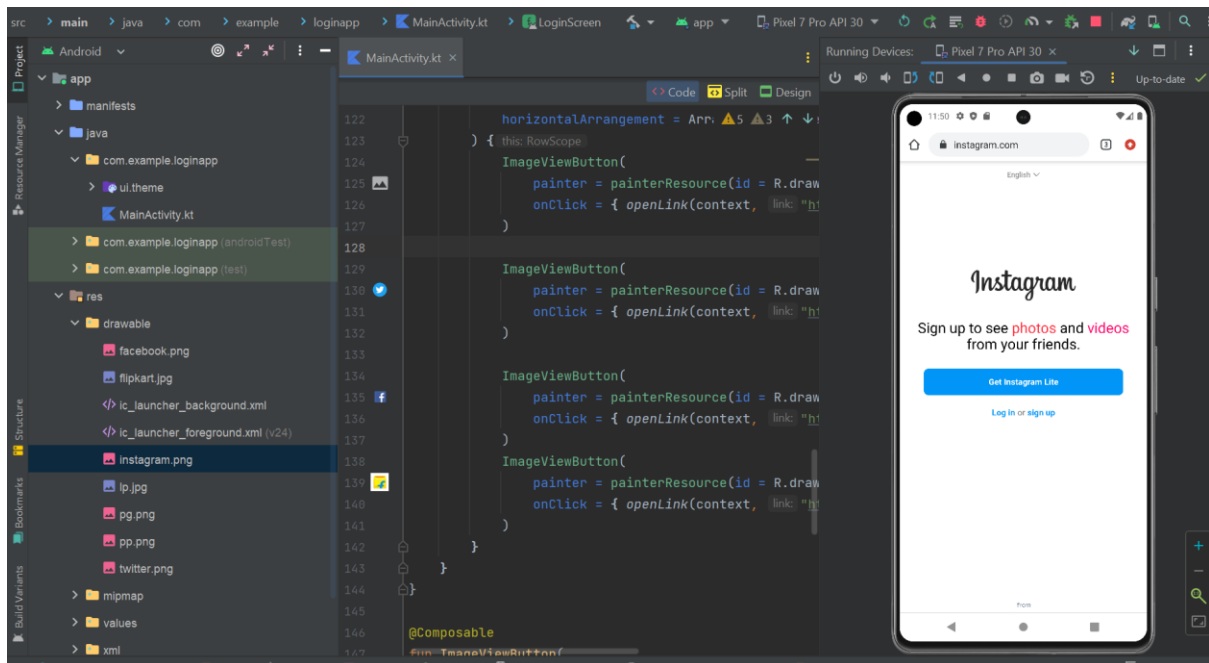
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If we click flipkart button:

If we Click Facebook Button: