### **Крок 1: Створення проекту**

### **Я створив проект MoviesApp** **Build.gradle**

implementation "androidx.navigation:navigation-fragment-ktx:2.3.5"

implementation "androidx.navigation:navigation-ui-ktx:2.3.5"

implementation 'com.github.bumptech.glide:glide:4.12.0'

kapt 'com.github.bumptech.glide:compiler:4.12.0'

### **Створення класу даних (MyMovie)**

data class MyMovie(

val title: String,

val description: String,

val imageUrl: String

)

### **Крок 4: Створення ресурсів**

Я створив макети для фрагментів та елементів списку в папці res/layout:

* **res/layout/fragment\_movie\_list.xml** (макет для першого фрагмента)

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical">

<androidx.recyclerview.widget.RecyclerView

android:id="@+id/recyclerView"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:layout\_marginTop="8dp"

app:layoutManager="androidx.recyclerview.widget.LinearLayoutManager"

tools:listitem="@layout/item\_movie" />

</LinearLayout>

**res/layout/fragment\_movie\_details.xml** (макет для другого фрагмента):

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:gravity="center">

<ImageView

android:id="@+id/imageView"

android:layout\_width="120dp"

android:layout\_height="120dp"

android:src="@android:drawable/ic\_menu\_gallery"

android:contentDescription="@null"

android:layout\_marginBottom="16dp"/>

<TextView

android:id="@+id/titleTextView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Title"

android:textSize="18sp"

android:textStyle="bold"

android:layout\_marginBottom="8dp"/>

<TextView

android:id="@+id/descriptionTextView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Description"

android:textSize="16sp"

android:layout\_marginBottom="8dp"/>

</LinearLayout>

**res/layout/item\_movie.xml** (макет для елемента списку):

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="vertical"

android:layout\_margin="8dp">

<ImageView

android:id="@+id/movieImageView"

android:layout\_width="80dp"

android:layout\_height="80dp"

android:scaleType="centerCrop"

android:src="@android:drawable/ic\_menu\_gallery"

android:contentDescription="@null"

android:layout\_gravity="center"/>

<TextView

android:id="@+id/titleTextView"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Title"

android:textSize="16sp"

android:textStyle="bold"

android:layout\_marginTop="8dp"/>

<TextView

android:id="@+id/descriptionTextView"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Description"

android:textSize="14sp"

android:layout\_marginTop="4dp"/>

</LinearLayout>

Створіть новий файл **MovieListAdapter.kt**:  
import android.view.LayoutInflater

import android.view.View

import android.view.ViewGroup

import android.widget.ImageView

import android.widget.TextView

import androidx.recyclerview.widget.RecyclerView

import com.bumptech.glide.Glide

class MovieListAdapter(private val movieList: List<MyMovie>, private val onItemClick: (MyMovie) -> Unit) :

RecyclerView.Adapter<MovieListAdapter.ViewHolder>() {

inner class ViewHolder(itemView: View) : RecyclerView.ViewHolder(itemView) {

val movieImageView: ImageView = itemView.findViewById(R.id.movieImageView)

val titleTextView: TextView = itemView.findViewById(R.id.titleTextView)

val descriptionTextView: TextView = itemView.findViewById(R.id.descriptionTextView)

}

override fun onCreateViewHolder(parent: ViewGroup, viewType: Int): ViewHolder {

val view = LayoutInflater.from(parent.context).inflate(R.layout.item\_movie, parent, false)

return ViewHolder(view)

}

override fun onBindViewHolder(holder: ViewHolder, position: Int) {

val currentItem = movieList[position]

Glide.with(holder.itemView)

.load(currentItem.imageUrl)

.into(holder.movieImageView)

holder.titleTextView.text = currentItem.title

holder.descriptionTextView.text = currentItem.description

holder.itemView.setOnClickListener {

onItemClick(currentItem)

}

}

override fun getItemCount() = movieList.size

}

Створіть новий файл **MovieListFragment.kt**:

import android.os.Bundle

import android.view.LayoutInflater

import android.view.View

import android.view.ViewGroup

import androidx.fragment.app.Fragment

import androidx.navigation.fragment.findNavController

import androidx.recyclerview.widget.LinearLayoutManager

import androidx.recyclerview.widget.RecyclerView

class MovieListFragment : Fragment() {

private lateinit var recyclerView: RecyclerView

private lateinit var adapter: MovieListAdapter

override fun onCreateView(

inflater: LayoutInflater, container: ViewGroup?,

savedInstanceState: Bundle?

): View? {

val view = inflater.inflate(R.layout.fragment\_movie\_list, container, false)

recyclerView = view.findViewById(R.id.recyclerView)

adapter = MovieListAdapter(getSampleData()) { selectedItem ->

navigateToMovieDetailsFragment(selectedItem)

}

recyclerView.layoutManager = LinearLayoutManager(requireContext())

recyclerView.adapter = adapter

return view

}

private fun navigateToMovieDetailsFragment(selectedItem: MyMovie) {

val action = MovieListFragmentDirections.actionMovieListFragmentToMovieDetailsFragment(selectedItem)

findNavController().navigate(action)

}

private fun getSampleData(): List<MyMovie> {

return listOf(

MyMovie("Movie 1", "Description 1", "https://example.com/image1.jpg"),

MyMovie("Movie 2", "Description 2", "https://example.com/image2.jpg"),

MyMovie("Movie 3", "Description 3", "https://example.com/image3.jpg")

// Add more movies as needed

)

}

}

### **Крок 7: Створення другого фрагмента (MovieDetailsFragment)**

**Створіть новий файл MovieDetailsFragment.kt:**

import android.os.Bundle

import android.view.LayoutInflater

import android.view.View

import android.view.ViewGroup

import androidx.fragment.app.Fragment

import com.bumptech.glide.Glide

import kotlinx.android.synthetic.main.fragment\_movie\_details.\*

class MovieDetailsFragment : Fragment() {

private lateinit var selectedMovie: MyMovie

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

arguments?.let {

selectedMovie = MovieDetailsFragmentArgs.fromBundle(it).selectedMovie

}

}

override fun onCreateView(

inflater: LayoutInflater, container: ViewGroup?,

savedInstanceState: Bundle?

): View? {

return inflater.inflate(R.layout.fragment\_movie\_details, container, false)

}

override fun onViewCreated(view: View, savedInstanceState: Bundle?) {

super.onViewCreated(view, savedInstanceState)

titleTextView.text = selectedMovie.title

descriptionTextView.text = selectedMovie.description

Glide.with(requireContext())

.load(selectedMovie.imageUrl)

.into(imageView)

}

}

### **Крок 8: Створення графа навігації (nav\_graph.xml)**

**В папці res/navigation створіть файл nav\_graph.xml:**

<?xml version="1.0" encoding="utf-8"?>

<navigation xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:id="@+id/nav\_graph"

app:startDestination="@id/movieListFragment">

<fragment

android:id="@+id/movieListFragment"

android:name="your.package.name.MovieListFragment"

android:label="Movies"

tools:layout="@layout/fragment\_movie\_list" />

<fragment

android:id="@+id/movieDetailsFragment"

android:name="your.package.name.MovieDetailsFragment"

android:label="Movie Details"

tools:layout="@layout/fragment\_movie\_details">

<argument

android:name="selectedMovie"

app:argType="your.package.name.MyMovie"

android:defaultValue="@null" />

</fragment>

</navigation>