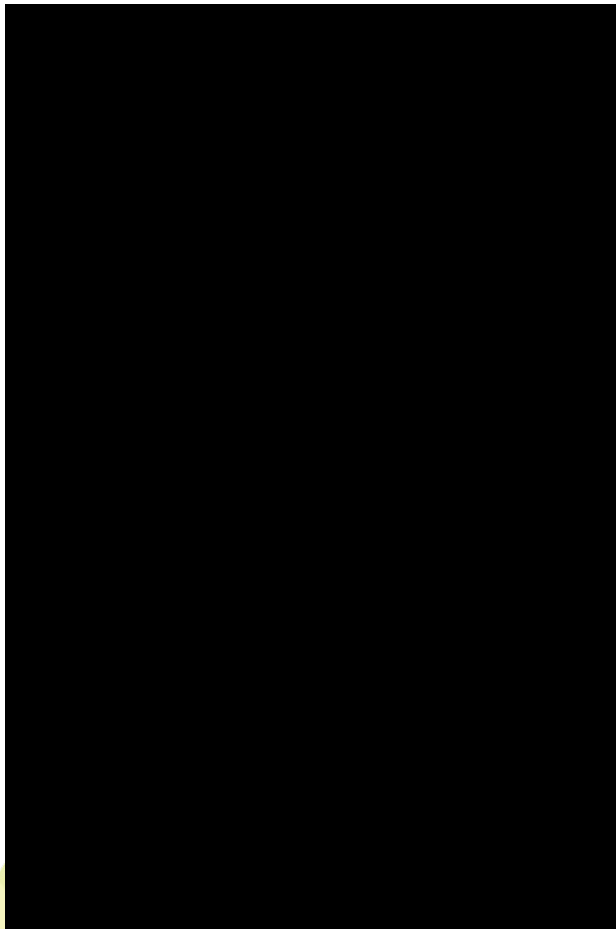# Exercise Session 5

07.10.2019
Fragments

Overview

We'll extend out details screen to a simple gallery.
using some more movies data saved on our local device.
The app will show them inside a ViewPager.

(Visit the next slide for more details…)

Overview

- Clicking on an item in the list screen will open the details screen of the selected movie.

- The details will be in a ViewPager with the same order of the original list so swiping left and right will swipe between movies details.

- The functionality of the "Movie Trailer" button should be kept.

Android ViewPager

The ViewPager allows us to display a series of Fragments inside a horizontal scrollable container using a FragmentPagerAdapter.

Learn more here: [ViewPager documentations](#)

Let's Begin

You can always use the ex-4-fragments branch of our project as a reference:

https://github.com/android-academy-minsk/fundamentals-2019-excercise/tree/ex-5-fragments

Step 1 - Create the Fragment + pager adapter

- Create a new layout for your 'details' Activity (don't delete your current layout, you might want to use it later for the fragment).
- Start with a simple mock Fragment (ex: only show a TextView) so you could make sure everything is working before diving into more complicated stuff.
- Create a ViewPager and FragmentStatePagerAdapter (Helpful example!)
- Wire everything - make sure your PagerAdapter shows your mock Fragments.

Step 2 - Replace your mock Fragments

Let's do it slowly..

First connect your Fragment to the previous layout of your 'details' Activity.

After that you should have ViewPager showing a gallery of one Movie.

Step 3 - Update your Fragment

Now that all the basic setup is completed, it's time to build our "real" Collection Fragment.

Use the newInstance pattern and give each fragment `MovieModel` Object and update the UI with the data of the current movie.

*Don't forget `MovieModel` should implement `Parcelable` for this to work.

DONE?

That's amazing! Good for you!!

If you have even a small question- don't forget to ask the mentors:

At the class or on Slack.

Kudos!!

You're all done with exercise 4!

See you next time!