# Homework 6 – Android Application Navigation and Lifecycle

# Problem

#### Main task:

◦ Create an Activity with а button in it

◦ Using view binding/data binding set click listener to it

◦ The button tap should lead to a new Activity

◦ The title of this Activity should be provided as parameter in the Intent

◦ Display the title in a TextView at the top of the Activity

◦ Add a fragment container under the title down to the bottom of the screen

◦ The fragment container should use a navigation graph XML file for fragment management

◦ The fragment container should have a start destination fragment displayed by default

◦ The navigation graph should include at least 4 Fragments to which the user can navigate and should be one way only (ex. 1 -> 2 -> 3 -> 4 -> 1 -> …)

◦ Each fragment should have a title which is unique among all fragments and a button which leads to the next fragment

◦ This navigation should happen using the generated Direction class for the current fragment and its underlying “action” methods

◦ The button in the last fragment should lead the user back to the starting state of the navigation graph removing all added fragments before that (up to and without the starting one)

#### Bonus task (includes R&D):

◦ Add a button between the title of the Activity and the fragment container

◦ Each tap on the button should lead the user to the next Fragment

◦ The next Fragment can be determined based on the current Fragment and the configured actions for this fragment in the navigation graph XML

# Deadline

Submit your solution **until 23:59 on 30 October 2022**, **Sunday**.

# Upload Instructions

#### File Upload Form

THIS IS AN EXAMPLE!!!

Upload an archived file (zip/rar/7z) in the course page under the lesson’s section (<https://softuni.bg/trainings/3884/android-development-with-kotlin-september-2022#lesson-45999>):

1. Graphical user interface, application

   Description automatically generated

Choose the file you want to upload, then select this button:

1. Graphical user interface, text, application

   Description automatically generated 3) Graphical user interface, application

   Description automatically generated with medium confidence

When you see “**Done**” and “**100%**” completion of upload, you have successfully uploaded the file.

You can **replace the uploaded file** by **uploading a new one** (a single archive for all files), you can make changes until the **due date**.

#### Project Solutions File Instructions

Go to the scratch file location, written in the top corner of the application window and archive the scratch file.