# Homework 7 – Work with API

# Problem

**The homework is an extension of the demo project from the lesson.**

⁃ Add a click event to each item in the list (hint: add it to the “holder.binding.root” in onBindViewHolder method of the adapter class)

⁃ When the user taps on an item a request should be made to this endpoint: “https://restcountries.com/v2/name/COUNTRY\_NAME\_HERE” where “COUNTRY\_NAME\_HERE” should be replaced with the name of the selected country (ex. https://restcountries.com/v2/name/bulgaria))

⁃ Create another model that will be used to parse the response returned by this request

⁃ you can paste the link in your browser to see the response format

⁃ you can copy the text you will see in your browser and paste it here “http://json.parser.online.fr” in the left field and you will get a more readable format of this response

⁃ The endpoint should be defined in the Service class

⁃ A second method should be added in the Repository class to call this endpoint

⁃ The model for the response should have fields for “name”, “capital”, “flag” (PNG one, not SVG), “region”, “population”, “area”

⁃ Display this information in a second Fragment which should occupy the whole screen (it doesn’t matter how you order the information on the layout file of the fragment)

⁃ The fragment should have a back button that will remove it and return the user on the list of countries

# Deadline

Submit your solution **until 23:59 on 6 November 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-46000>):

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

Archive the whole project folder and upload the file.