

2. JokeAPI

- a. implement with XML layouts
- b. implement with Jetpack Compose

In this exercise you will create an Android application that displays jokes organized in categories. The API documentation is available at the following URL: <https://sv443.net/jokeapi/v2/>

- a) when the application opens the user will see:
 - i) an options menu with the following entries: 1.0p
 - 1. Any (*displayed as action directly in the options bar – not under the three points*)
 - 2. Christmas
 - 3. Programming
 - 4. Miscellaneous
 - 5. Dark
 - 6. Pun
 - 7. Spooky
 - ii) a loading animation visible for two seconds 0.5p
- b) after two seconds since the application is started, a call to the API is made to load 10 jokes from any category: 1.5p
GET <https://sv443.net/jokeapi/v2/joke/Any?amount=10>
- c) the records will be displayed in a vertical list, with the following data for each of them: 1.0p
 - i) category
 - ii) type
 - iii) IF type == single
 - display the content of field **joke**
 - ELSE
 - display the content of field **setup**
 - iv) flags
- d) when performing a TAP / CLICK on an element 0.5p
 - i) IF type != single
 - display the content of field **delivery**
 - ELSE
 - display a Toast with message „This joke is of type SINGLE”
- e) when a new category is selected from the options menu:
 - i) the new category will be displayed as action (*directly in the options bar – not under the three points*) 0.5p
 - ii) previous category will be moved under the three points 0.5p
 - iii) the API will be called to load jokes from the new category 1.5p
- f) a loading animation will be displayed for two seconds and only after the results will be displayed 0.5p

- g) each of the elements of the list will have an options menu with a single element 1.0p
 - i) Report record
- h) when **Report record** is selected the application will navigate to a new activity with the following content: 1.0p
 - i) In the center of the screen, 150dp from the top margin, the text:
 - 1) Are you sure you want to report this joke?
 - ii) YES button – when clicked, the application returns to the activity with the list and the reported record is marked according to the following requirement
 - iii) CANCEL button – when clicked, the application returns to the activity with the list without any other changes
- i) any reported element of the list will have **all the text content** displayed with the color #FFCCCC 0.5p