

Exercise: Country info app

Behavior Specification (part 1)

each time the user taps on one of the four choices (UK, IT, ES, FR)



the corresponding flag of the country must be displayed



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UI Components

Radio Buttons: four choices

Radio Group: used to create a multiple-exclusion scope for a set of radio buttons.

Checking one radio button that belongs to a radio group **unchecks any previously checked radio** button within the same group.

Note: The `RadioGroup` is a **subclass of `LinearLayout`** that has a vertical orientation by default (and we have an horizontal orientation of the Radio Buttons in the app...)



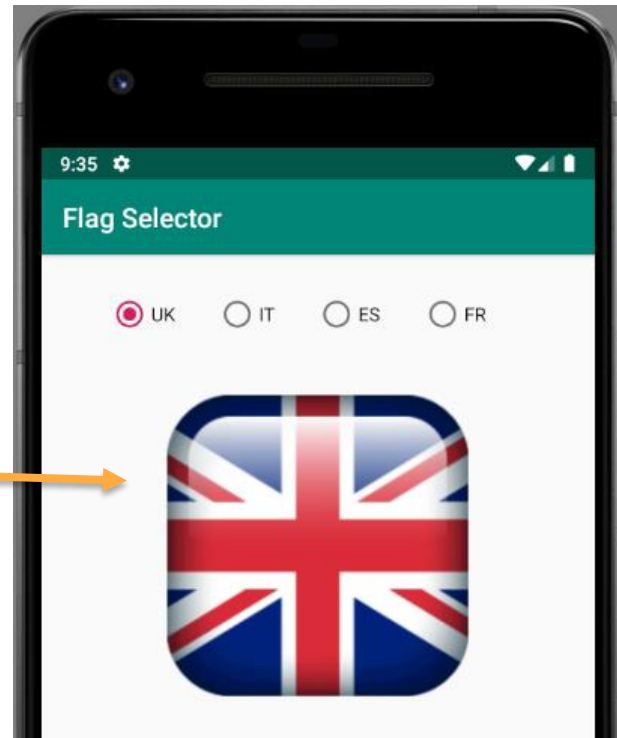
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UI Components

ImageView

Displays image resources, for example
Bitmap or Drawable resources

```
<ImageView  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:src="@drawable/my_image"  
    android:contentDescription="@string/my_image_description"  
/>
```



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Implementation Hints

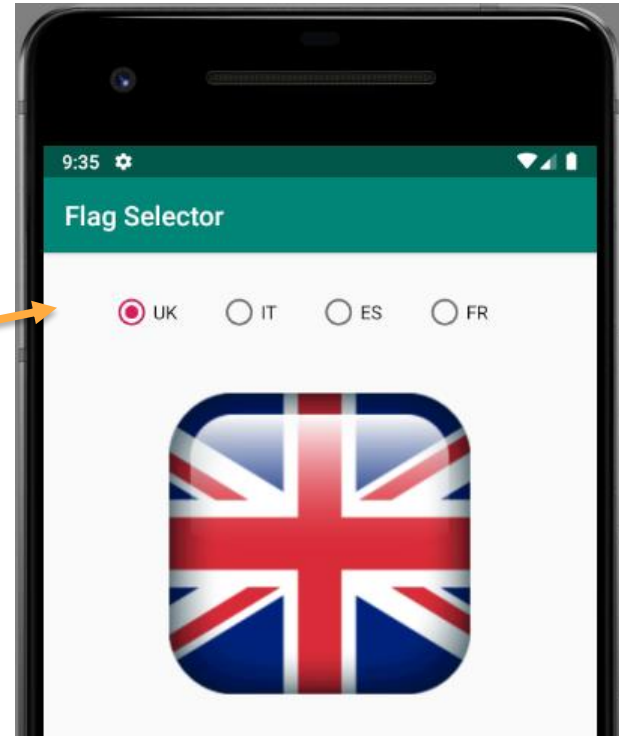
Create a method:

```
public void clickFlag(View view) {...}
```

that recognizes which option button has been selected and changes the image displayed in the image view

Put the images (e.g., 4 .PNG) in the folder «drawable»:

and access to them using `R.drawable.<filename>`



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Behavior Specification (part 2)

each time the user taps on one of the four choices (UK, IT, ES, FR)



Below the flag, show also a long description of the country (e.g., a text from wikipedia) in a scrollable TextView

Hint: use ScrollView+TextView



Upload the Assignment on Aulaweb

1. Export the two projects as a Zip file
 - a. (“Counter App” + “Country info app”)
2. Put them in a Zip file named: *Surname.zip*
3. Upload it on Aulaweb