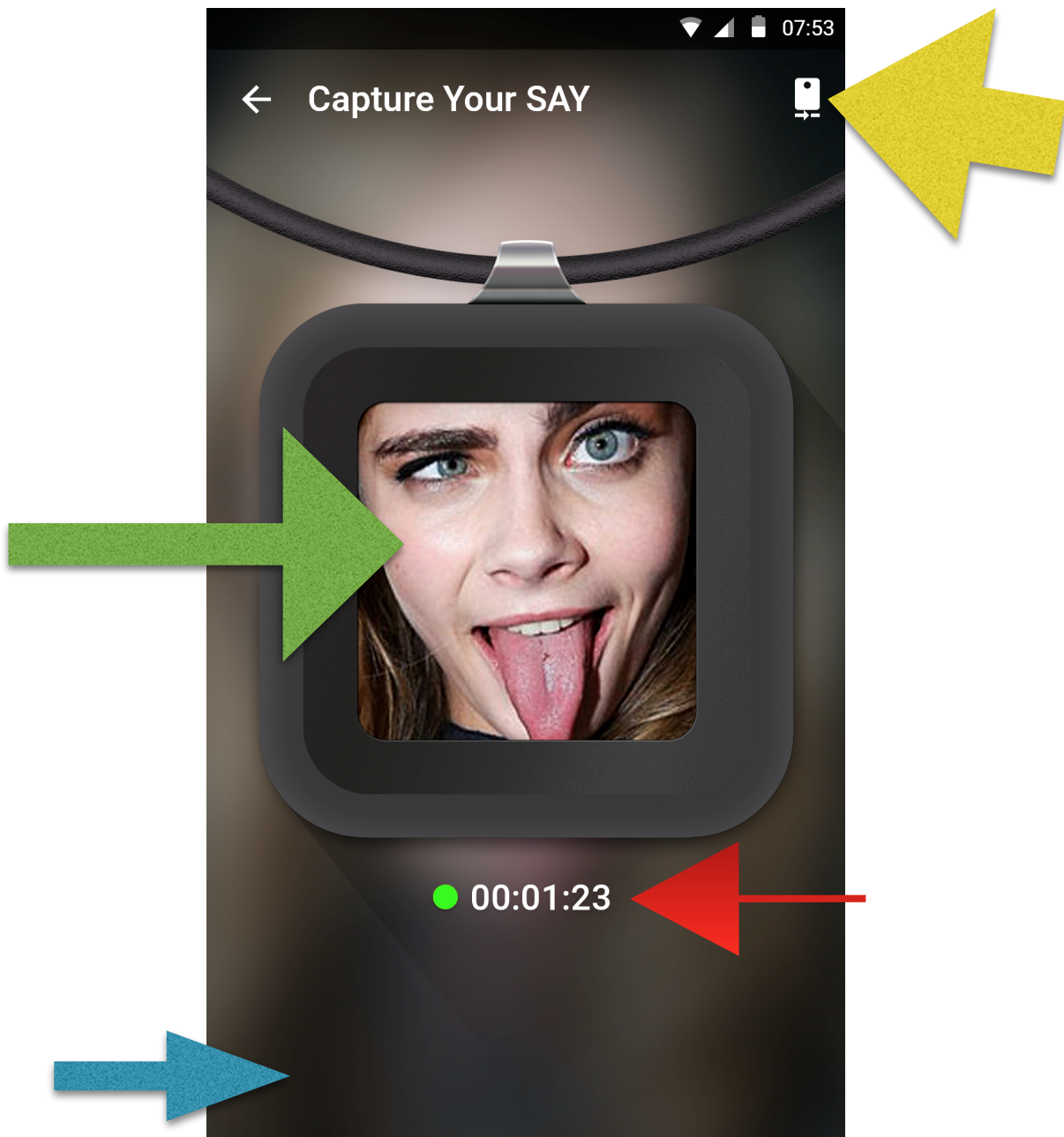


## IOS Camera test

Object: test camera api knowledge.

The idea is to create a simple app the uses the camera api to allow the user to create a short video clip using either the front or rear camera and the apply some transformations to the resulting video.



The view is composed of the following:

### Video Preview:

This should display a preview of what the camera can see - **Cropped at a 1:1 ratio**  
So although the source video is either portrait or landscape the preview displays the centre **Square** of the source

### Camera select:

A simple toggle Bar button item allowing the user to switch between the two phone cameras

**Blurred background:**

The background will display a blurred preview of the same source video being displayed in the preview area, although it will use the **original source ratio** and will extend to fill the entire background.

**Action area:**

Starts off as a simple **record** button. when the user taps the recording starts and the duration is displayed. when the user re-taps the recording stops and processing begins.

Once the user completes the recording the video will be post-processed to create a final video from the cropped area displayed in the preview (centre 1:1 ratio crop) and will be downsized to 300x300 pixels and save tho the gallery.