

# Advanced Software Technology

## Exercise 02

### Implementation Plan

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## 1 GUI PLANNING

The application should be able to display two images of size 300x300 and uniform color. There should be sliders and text fields to set values for red, green and blue color channel for each image.

I decided to have only one set of sliders and text fields for r,g and b and to introduce two radio buttons to choose between values for one or the other image (see figure 1.1).

## 2 IMPLEMENTATION STEPS

- create JFrame that closes on exit
- add panel to frame
- add two panels to first panel for the images
- add sliders, textfields, labels and radio buttons to first panel
- make selecting one radio button deselects the other one
- display rgb values of images in text fields
- change color of image when moving sliders or changing text in fields

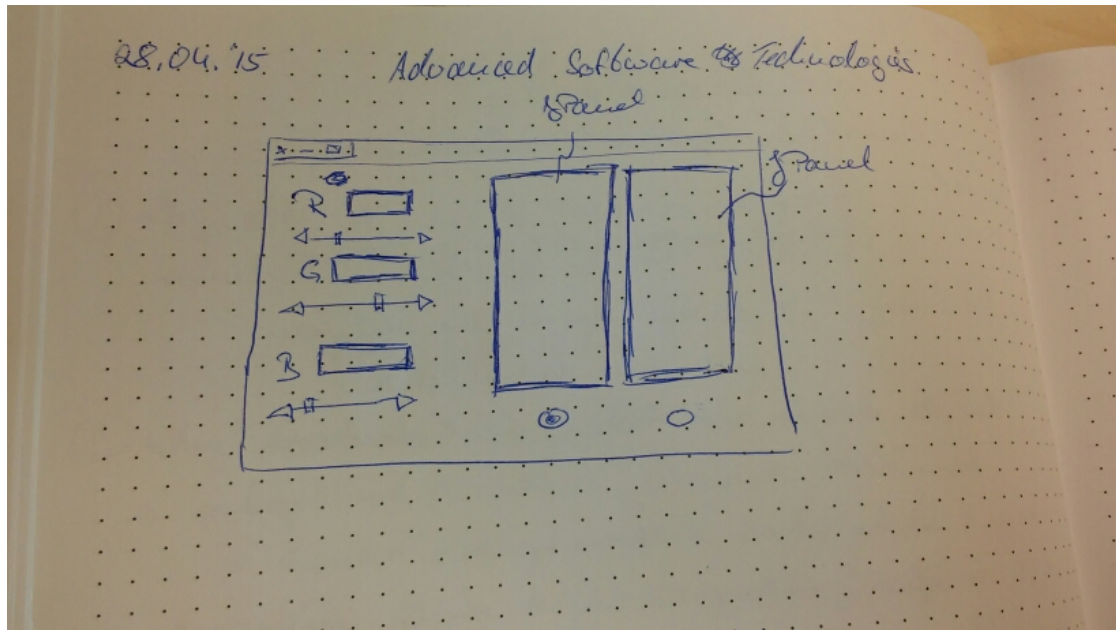


Figure 1.1: First drawing of GUI

- adjust slider and text values when switching between images