Interactive Graphics

Homework 2
Online May 10th, 2017
Deadline: **June 4th, 2017**

Tasks to do
The homeworks must be completed alone. Each student should do its own homework. Download the file Homework2.zip from the course homepage in Piazza
https://piazza.com/uniroma1.it/spring2017/1044398/home

After unzipping you will find this file, and 2 directories, one (Common) contains the required libraries, and one contains the files to modify (Homework2.html and Homework2.js). These are the files of example **figure** of Chapter 9 of the book, these are meant only as an example, not a starting point. You need to modify the files deleting all the sliders and completely replacing the figure present in the file with the new one described below. The tasks you need to complete are.

1. Create a hierarchical model of a (simplified) hand, composed of the following parts;
    a. Wrist
    b. 4 fingers, each one composed of 3 independent components (phalanges)
    c. Thumb, composed of two independent components
    All components are cubes, use the cube function present in the file

2. Add a button that starts an animation of the hand so that, starting from the open position it closes all fingers and then stops. All rotation angles start at the value of 0 degrees and terminate at 180 degrees.

How to submit the homework
After you finish completing all the tasks, create a zip file CONTAINING ONLY THE TWO SOLUTION FILES (html and javascript), do not include the Common directory and the PDF file. The name of the zip file should be your student ID number (numero di matricola). Then please fill in this form (requires logging in your uniroma1.it email account):
https://goo.gl/forms/zHoCxf2hniPvbThH2
and upload the zip file. If you are unable to use the form, put it in any other sharing website and send me (marco.schaerf@uniroma1.it) the link. As a last resort, send me the two files as an attachment in email.
Don't post solutions on Piazza. Use Piazza only for questions and clarifications.