

## Mandatory II

**Assignment type:** Group (Semester groups)

**Hand-in type:** Git link + Heroku link on Fronter

**Deadline:** April 29th 23:59.

### **Part 1 - GUI:**

Create a bouncing ball project in Java that uses threads.

Use JavaFX or Swing (since you have already learned the former).

Each ball should run in its own thread.

The balls should not go through each other.

If a ball hits the edge it should bounce back.

### **Part 2 - Deploy:**

Use Spring to create a website with explanations of what you've created and how. Include your code and screenshots of the application. Also include a download link to your application.

Use Heroku to deploy your website.

The Spring project should be using a database (also hosted on Heroku). What that database contains is up to you. It could be urls to images.