

# Assignments after the mid-term

Functional Programming 2017/18

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# What is next?

- ▶ Third DOMJudge assignment: type classes
- ▶ Final project: develop a game
- ▶ Optional assignment



# DOMJudge assignments

**DO NOT PLAGIARIZE!!**



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# DOMJudge assignments

## DO NOT PLAGIARIZE!!

Our DOMJudge instance notifies automatically whenever two assignments are too close to each other

- ▶ Renaming text to txt or t is useless



# Final project

- ▶ Develop your own game in Haskell
  - ▶ `gloss` library for the 2-D graphics
- ▶ Working in **pairs** is allowed and recommended
- ▶ Two deadlines:
  - ▶ 20 October: design document
  - ▶ 12 November: code + document (after exam)



# Requirements

- ▶ The player controls a character
  - ▶ The game can be paused and resumed
- ▶ There are multiple enemies to be beaten
  - ▶ Some intelligence and randomness attached to them
- ▶ 2-D graphics with some animations
- ▶ Interaction with the file system
  - ▶ For example, keep a record of high scores

Anything that fits is welcome



# Grading of the final project

- ▶ 6 points for implementing those requirements
- ▶ 2 points for **design** and **good style**
- ▶ 2 points for optional requirements
  - ▶ The list is found in the website

The design document serves two purposes:

- ▶ Check that the game fits into the requirements
- ▶ Preliminary assessment of the design



# Optional assignment

Write about some topic not treated in the course

- ▶ *Language extension*: a different part of Haskell
- ▶ *Libraries*: a nicely-designed piece of code

Up to 0.5 points added to your final grade





# Optional assignment

Work in groups of up to **three** people

Each group has to produce:

- ▶ Document (3 to 5 pages) describing the thing
- ▶ Some code which puts it in practice
- ▶ 10-minute presentation the last day

If you are interested, choose a topic from the list in the website and e-mail me **before 14 October**

