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

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DOMJudge assignments

DO NOT PLAGIARIZE!!

DOMJudge assignments

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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)

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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

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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

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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

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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**

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