Practical Concurrent and Parallel Programming XIV

Exam & mandatory reading

IT University of Copenhagen

Friday 2020-11-27

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Starts at 8:00

Plan for today

- Mandatory readings
- Overview of exam practicalities
- Course feedback

Mandatory readings

See mandatoryReadingPCPP.md for details.

What does "mandatory" mean?

It means that there might very well be exam questions which assume you are familiar with the material in the mandatory readings.

What is the primary topics to pick up?

- All what is necessary to solve the **green** weekly exercises
- Then the **yellow** ones in the weekly exercise

We made the weekly exercises color coded to make sure you got the key topics first and foremost.

Hey, what, what about the red exercises?

- Honestly, skip them for the exam reading
- Unless you have time on hand.
- If you do have time at hand, it is recommended to look at old exam sets.

Key differences between 2020 and earlier mandatory readings

- Goetz - also previously
- Java streams - also previously
- Channel based concurrency - also previously
- Coroutines and RxJava - new this year
- Transactional memory and concurrency - not this year
- Actors and akka - not this year

Course feedback
(then we return to exam stuff)

- A short poll
- Freetext feedback at learnit under week 14
- We will follow up next week at the Q&A session,
- Our summary will be available on LearnIT for final comment

Exam practicalities

Hand out and hand in

- The exam questions will be available at LearnIT.
- There will be some accompaning code - available as a zip file

Formal aspect - Front page

See [preliminary frontpage](#)

Your solutions and answers must be made by you and you only

- Your solution must contain the following declaration:

  I hereby declare that I have answered these exam questions myself without any outside help. (name) (date)

- You are **NOT** allowed to

  - create the exam solutions as group work,
  - to consult with fellow students,
  - pose questions on internet fora,
  - or the like.

- You are allowed to ask for clarification of possible mistakes, misprints, and so on, by private email to kasper@itu.dk with a CC: to sap@itu.dk.

  - Expect the answer in the PCPP LearnIT news forum

Experienced teachers

Jørgen and I have been teaching and grading 25+ for years
(well, a lot more actually).

We do not hold it against you that if you ask for clearification, point out mistakes, or other raise issues during the exam.

Color coding at the exam

Same meaning as throughout semester:

- Green - up to, including grade 4
- Yellow - 7, or perhaps a 10 if very good
- Red - 10 or 12

However!

- You need to do them right to get full credit
- There are more (a lot more) green than has been the case throughout the semester
- Solving the red and not the green will not be a good idea

Green questions - covers stuff which is absolutely required

Yellow questions - covers stuff we expect most of you to be able to do

Red questions - are either harder, or simply just more

Kotlin at the exam

We expect you to be able to:

- Read kotlin code (eg. rewrite this Kotlin into Java)
- If there is a kotlin programming exercise it can be solved using the kotlin playground

Did I forget anything?

Q&A session next Friday

- You will get better answers if you post the questions beforehand (at the forum)