Task 14-1: Develop an exam-like exercise

In the last tutorial on 2016-02-01 we will work through a mock exam in preparation of the actual exam one week later on 2016-02-08. It is up to you to provide some task for this.

Important: To allow the teaching assistant some time to compile the mock exam, this practice sheet is due on Friday, 2016-01-29, 08:00 am.

1. Select a topic out of the course subjects. Work out a task to be included in the mock exam as well as its solution and grading scheme.
   See the information provided below on the nature of exam questions.

2. By Friday, 08:00 am: Submit your task, its solution, and grading scheme through the "KVV Assignments" tool.

Nature of Exam Questions

Adapted from http://www.inf.fu-berlin.de/w/SE/PruefungRegeln

- Test for comprehension of the topic/the field, not for memorized answers. Therefore, typical types of questions are:
  - Which are the problems the course’s topic addresses?
  - What are the relationships between these problems?
  - What are the basic concepts and general solution approaches in that field?
  - What are the relationships between the basic concepts?
  - What are the more concrete solution methods for the problems?
  - What are there pros and cons? When to use them? When not?

- A second class of tasks checks for practical skills of applying the discussed methods. Knowledge about technical details is expected if:
  - they can be derived from the methods’ basic ideas, or
  - they are necessary for application in simple to mid-complex cases.

Additional details might be necessary for reaching the highest grade.

- The basic concepts must to be part of the active vocabulary; everything else should be part of passive vocabulary.

- The grading scheme always favors comprehension over knowledge of technical details.