Grading System

The score will be 10 points per exercise (13 points with the challenge task):

- **6 points: Functionality**
  Implement main program and library functions corresponding to their functional description.
- **3 points: Coding Style**
  Continuously use **only one** coding style (do a web search on *c programming style guides*); avoid code redundancy, use proper names for functions and variables, do not use Magic Numbers, promote readability (white space, indentation).
- **1 point: Documentation**
  Take care to a proper documentation of your code: description of the function behavior, parameters, and return values (it is recommend to use a JavaDoc compliant documentation); explanation of the file content; documentation of complex non-intuitive parts/ lines.
- **3 points: Solving the Challenge Task**
  You think the exercises are too easy? Then solve the task marked as *Challenge* in order to earn up to 3 bonus points. Note that tasks marked as *Challenge* are not reused in later exercises.

In total 3 selected exercises will be graded, so a total number of 30 points can be achieved (up to 39 points with the challenge tasks). The results from these exercises will be combined with the result from the written examination at the end of the semester. The examination is weighted with 70 points, adding up to a total of 100 points (109 points with the challenge tasks, capped at 100).

Note that doing the exercise is not a prerequisite for joining the exam. Nevertheless a high score in the exercise will lead to a better final mark.

Submission

All exercises are to be solved and submitted from a team consisting of two members. Submission is done via the git server which is provided for the course (see below). The directory structure used in the repository has to correspond *exactly* to the requirements stated on the exercise sheet, deviations will lead to deduction of points.

The deadline for submission will also be noted on the corresponding exercise sheet.

Git server:

https://collaborating.tuhh.de/smartport/students/ses-2020/groups/group_X

(where X is your team number)

Interview

In the first week after submission there will be an interview during lab hours. Here you have to explain your programming solution and we will ask questions about your code. Both team members have to be able to explain the **entire** solution, which includes library functions from earlier (non-graded) exercises which are referenced in the code for the graded exercise. Participation in those lab classes is *mandatory*. No points are granted for solutions which cannot be explained.

You can use the hardware beyond the exercise sessions, too. The remote access will be permanently available.

Plagiarism will be penalized with 0 points for all involved teams! This also includes partial copying of another program, e.g. with renamed variables.

Your submissions have to pass a plagiarism check. In addition to the actual submissions from your fellow students, the plagiarism check compares your code to the submissions from the previous semesters.