Software Development - Bonus point system

General Information

- Participation in the bonus point system is 100% voluntary, there are no disadvantages if you do not participate.
- Idea: 5 points can be achieved on each exercise sheet. Partially the tasks can differ in the degree of difficulty and accordingly be "worth" different numbers of points. The exact number of points of a task can be found on the sheet.
- A total of 50-60 points will be achievable (10-12 exercise sheets).
- Depending on the total number of points achieved, a bonus of 5%-10% will be achievable:
    - $\geq$50% of the achievable points: 5% bonus in the written exam.
    - $\geq$75% of the achievable points: 7% bonus in the written exam
    - $\geq$90% of the achievable points: 10% bonus in the written exam.
- In principle, the exercise sheets may be worked on together in groups, but each participant should understand the solution
- More detailed explanations for the solution and support during the work will only be provided in the lab exercise, but concrete questions about the sheets can of course also be asked after the lab exercise by e-mail (Lukas.Lodes@thi.de)
- For all exercise sheets a sample solution will be uploaded to Moodle after the exercise.

How can points be scored?

Since it is not possible to correct the exercise sheets for capacity reasons, we use a simplified submission principle. Each participant indicates which tasks have been completed by Wednesday, 12:00 PM. If a task is marked as "completed", the presentation of the solution can be expected. If a solution marked as "completed" cannot be presented, the complete sheet counts as "not completed". In case of three violations of this principle, the participant will be excluded from the bonus system. Participation in the lab exercise is irrelevant for the evaluation of a sheet. The following procedure applies to both variants:

1. Regardless of the participation in the exercise, you have to register in the Moodle survey for the exercise sheet completion. The registration is possible until 12:00 PM on the day of the exercise. Please register in the Moodle survey of your course (WI/EGM). If entered in the wrong exercise, the sheet may be counted as "not completed".
2. If no attendance in the exercise is planned, a submission of the solution must be made in addition to the entry in step 1. This can also be done by 12:00 PM on the day of the exercise via Moodle. The solution does not have to be 100% correct, but a comprehensible solution idea must be recognizable. In addition to the solutions, the submission must include a protocol (please as PDF). In this, the following information must be provided:
    - Which tasks were completed?
    - If the work was done in a group: mention all involved participants.
    - For each task: Explanation of the solution idea in an appropriate scope (approx. 1 sentence per point).

An incorrect submission will be considered as "not completed" (see above). A submission will be scored as incorrect for the following reasons:

- Python file/solution for task indicated as "completed" is missing.
- Protocol is missing completely
- Explanation of one or more tasks is missing completely or is completely wrong.

3. In the exercise, for each task, one participant is randomly selected to present the solution. The solution does not have to be 100% correct, but a comprehensible solution idea must be recognizable. If it is obvious during the presentation that the participant does not understand the solution him/herself, the sheet is considered as "not completed" (see above). If a selected participant is not present, it will be checked if there is a submission (see step 2). If this is not the case, the sheet counts as "not completed" (see above). A voluntary presentation of the solution by another participant is then possible. For this, an additional point is awarded for the exercise sheet.

FAQ
- Can tasks be credited after the deadline?
  - Crediting of tasks after the deadline is not possible.
- What must the online submission look like?
  - 1 zip directory
  - 1 or more Python (.py) files containing the solutions
  - For non-programming assignments: Please attach the solutions as PDF, avoid Word/PPT/etc.
  - Protocol (PDF or txt please): What tasks were worked on? With whom were the tasks worked on? For each task, the solution idea must be explained in an appropriate scope (approx. 1 sentence per task item).
- What happens if you sign up for the wrong survey (e.g. WI instead of EGM)?
  - In the respective exercises, the pre-calculating participants are randomly drawn from the corresponding survey. If a person is then not present in the correct exercise, a check is made to see if there is an online submission. If this is not the case, the sheet counts as "not completed" (see above). → If a person has registered in the wrong exercise, an additional online submission is therefore sufficient. An e-mail to the lecturers is not necessary.