SE Practices 2

Introduction to Group Assignment

During the semester, you will deepen your knowledge about Software Engineering in small groups. Every member of the team will focus on a specific topic and share its acquired knowledge with the rest of the group. Actively participating in the group assignment is required to pass the module. You are expected to invest about **40 hours** of work during the semester.

Instructions

Start of semester

- Form groups of **3 to 5 people**. For best results, it is recommended to work with the same people as you do in your SE Project. Use the channel Team Building in Microsoft Teams if you are looking for more team members.
- Assign **one book** from the booklist to every member of the group. It is not allowed to assign the same book to multiple team members.
- Add your team to this **Google Spreadsheet**: https://bit.ly/3Hx0pmQ

During the semester

- Read the book assigned to you at your own pace.
- Write a **summary** of your book. The document should be between **5 to 10 pages**. It is recommended to use LaTeX, but feel free to use other tools.
- Share your progress and insights with your team **at least twice** over the course of the semester.
- At the middle of the semester, one member of your team must upload a `.zip`-archive containing the following items to Moodle:

  (1) The draft of all summaries as `.pdf`-files
  (2) Any proof that at least one team session took place (meeting notes, video-recording, …)

End of semester

- Finalize your **summary**.
- Prepare a short **presentation** of your book. The presentation should be less than **15 minutes**.
- In a final team session, **present your book** to the other team members.
- Read **at least one summary** of your team colleagues.
- After the final presentations, one member of your team must upload a `.zip`-archive containing the following items to Moodle:

  (1) All summaries as `.pdf`-files
  (2) All presentations as `.pdf`-files
  (3) Optional: link to a video recording of the final presentations

Deadlines

Assignment	Deadline
Forming Groups and updating Google Spreadsheet	Friday, 25.02.2022 18:00
Intermediate Submission on Moodle[1]	Friday, 08.04.2022 18:00
Final Submission on Moodle[1]	Friday, 10.06.2022 18:00

List of Books

Book	Author(s)	Amazon
Clean Code - A Handbook of Agile Software Craftsmanship	Robert C. Martin	Link
The Clean Coder - A Code of Conduct for Professional Programmers	Robert C. Martin	Link
Clean Architecture - A Craftsman's Guide to Software Structure and Design	Robert C. Martin	Link
Clean Agile - Back to Basics	Robert C. Martin	Link
The Pragmatic Programmer - Your Journey to Mastery (20th Anniversary Edition)	Hunt & Thomas	Link
Design Patterns - Elements of Reusable Object-Oriented Software	Gamma et al.	Link

Personal Remarks

- I have read all the books myself and would qualify them as "rather easy reads". Nevertheless, your milage may vary depending on your previous knowledge of the topic.
- All books will be covered in the lectures in a summarized form. That means that you will get at an insight into every book, even those not chosen by any member your group.
- All listed books are "must reads" for Software Engineers. Of course, you will not have time to read all of them simultaneous to your studies but try to read them at a later point in time.

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[1] The assignments on Moodle will be made available after the groups have been formed. You should be able to access them a few days after the first deadline has passed.