CS/SE 6356 Software Maintenance, Evolution & Re-engineering
Spring 2024
Instructions for your class presentation

Check the topics and dates for the presentations at:

https://docs.google.com/spreadsheets/d/1UbQxqXVNFxXTO3eMwNw82tuY9GpxPNuGoRqV-z7ZAD8/edit#gid=0

Write your team number in Column A, next to the topic you wish to present. **Do not change any team that is already listed there.**

1. Presentation of code smells and refactoring

As you are preparing your presentation on bad smells and refactorings, please mind the followings:

- Make sure you read about ALL bad smells and refactorings before you start on your presentation. It is not a lot really. https://refactoring.guru/refactoring and https://refactoring.com/catalog/ are good sites that summarize things nicely. Other resources are mentioned in the slides on eLearning. Look into the "Slides" folder in eLearning for a set of slides that you can (re)use for your presentation.
- Pay attention on selecting your code examples. The lazy way is to just copy what you see in slides and on the web. We will end up with half the presentations showing more or less the same copied examples and it will be boring. You should find less obvious examples, or better yet, come up with one. Try to show it live in the IDE, instead of the slides. It is more fun and engaging. Best even, synchronize with one or more of your colleagues and use the same code for exemplifying several smells and refactorings, if possible.
- Connect your presentation with other ones, related bad smells and refactorings, and related design patterns, metrics, etc.
- The main goal for the day is to have a good discussion driven by your presentations. Include a few (2-4) questions or issues at the end of your presentation, that we should all talk about, as a group.
- When you are not presenting, make sure you have one question ready to ask for each presentation.
- Enjoy it, as much as you can!

On the day of your presentation:

- Send the instructor a copy of your slides at least twelve hours before your presentation, via email.

2. Reading, writing summary and presentation of MSR papers

Every student in the class (except for the team presenting the same paper) needs to **read and write a summary for each presented paper** and submit the summary and class participation notes for class participation points. Please note the following:

- Make sure you read the whole paper and complete writing the summary before each presentation.
- Please keep the following four questions in mind when reading the paper and writing the summary: (1) what problem the paper tries to solve that has not been solved by previous work; (2) what approach the paper uses to solve the problem; (3) what is the result; and (4) what problem you think has not been solved by the paper and what you will do if you continue this research.
- The paper summary should not exceed 300 words. The contents of the paper summary should not be copied from the paper; the summary should express your own understanding of the paper using your own words.
- When you are not presenting, make sure you have at least one question ready to ask for each paper.

If you are presenting a paper, please mind the followings:

- Also keep the above four questions in mind when presenting the paper.
- Feel free connect your presentation with additional papers, related in terms of the techniques used and the problem attacked.
- The main goal for the day is to have a good discussion driven by your presentation. Include questions or discussion points throughout your presentation, that we should all talk about, as a group.
- Send the instructor a copy of your slides at least twelve hours before your presentation, via email.