



# Exam, Homework (?!) & Final Presentation Notes

Scalable Software Engineering  
WS 2021/22

Enterprise Platform and Integration Concepts

# SSE Written Exam



## General Info

- Scheduled for **March 9<sup>th</sup> 2022, 09:00 AM**
- Currently scheduled as an online exam
  - Ensure access to quiet room, camera & internet
- Exam time 90 minutes
- Studierendenausweis



# SSE Written Exam



## Exam Contents

- **Agile methods, principles and concepts**
  - Rationale behind agile method implementations
  - Discussions of **advantages and drawbacks**
  - **Assessment and evaluation** of specific project situations (e.g. given ..., what would you recommend? Why?)
  - No questions regarding specific Ruby (on Rails) syntax
  - Knowledge of general tech stack (e.g. client-server) & tools (e.g. static analysis, CI/CD) & concepts (e.g. migrations, DevOps)
- ➔ **Discussion of exam contents and Q&A in last lecture**

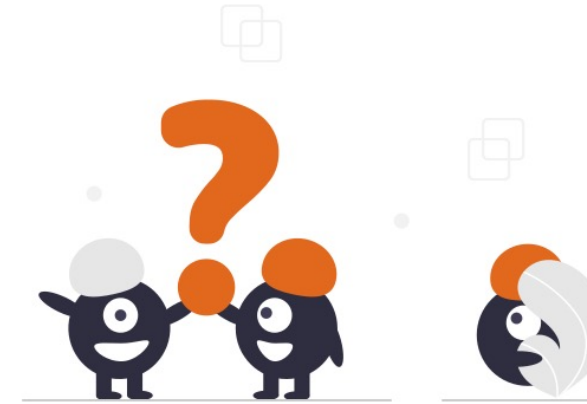


# Homework!



## Open-source, crowd-sourced, cooperative exam preparation

- We have a pool of questions for the exam
- We don't necessarily want to share all of them
- **You can write your own exam questions!**
  
- Search the slides, the related literature, Wikipedia, blogs or the internet at large for (interesting) topics
- Google/Bing/DuckDuckGo,  
e.g. **“why Scrum sucks”, “ScrumButs”, “Scrum Pitfalls”**
- Collaborate!



# Homework!

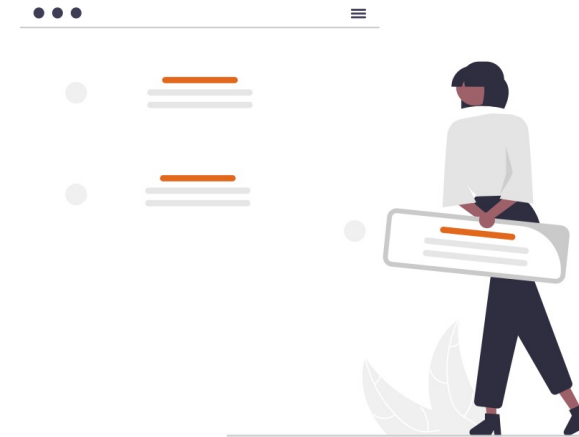


**Create an exam question and email it to the teaching team!**

**Deadline 13.2.2022**, we'll share them with everyone

## Topic ideas

- Things you did not understand
  - Things that you were particularly interested in
  - Things you think might be hard/easy to answer?!
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- We will collect questions and share them
  - We can discuss some of them in the last lecture
  - **The ones we like best, we'll add to the question pool for the exam!**





# Final Presentation Notes

Scalable Software Engineering  
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# Final Presentation



Final Project Presentation **18<sup>th</sup> Feb 2022**

**Celebration of everything you have accomplished in this course!**

- **Presentation by and for everyone**

- Not just POs, also engineering and process views
- Hybrid between product presentation & process and collaboration review
  - Refined results presentation
  - Information on how it was built, architecture and process

- **Demo!**

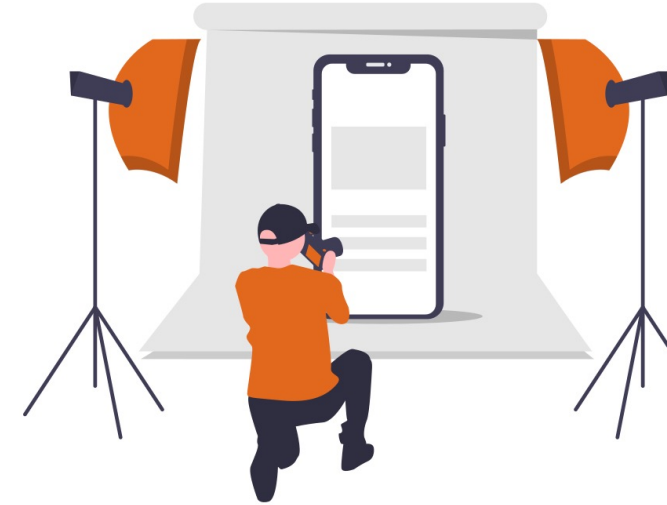


# Final Presentation Notes & Ideas



## Product Focus

- **Demo**
- **Main workflows and use cases**  
(what is possible now that was not possible before?)
- Feature set, scalability, UI & UX from the user perspective
- Highlights of the application (what are you most proud of?)
- Evolution of the project's **vision**
- Changes made to accommodate the customer
- Overview of all the business value you were able to create





# Final Presentation Notes & Ideas



## Technical behind the scenes

- Timeline of development effort
- **Application architecture, functional components** and libraries
- **Data organization** and persistence, extensibility of data schemes
- UI concepts employed, **User Experience** strategy & accessibility
- Overview of project teams, their responsibilities and dependencies
- **Key data points** of the project (e.g. tickets worked on, PRs merged, comments made, tests run, meetings had)
- Open issues and next steps (e.g. what should be tackled next?, **why should the customer definitely continue to fund you?**)

# Final Presentation Notes & Ideas



## Process behind the scenes

- **Process and collaboration learnings**
- Changes to work processes (and their rationale), changes since intermediate presentation
- Influence of process changes on product
- Biggest obstacles that were overcome in teams / on project level
- Kanban vs. Scrum vs. other, reflections on agile process methods
- **Recommendations for the next project** (e.g. what I wished a friend would have told me before starting the course)
- Curated project level retrospective & reflection on outcomes

