



Finale & Retrospective

Software Engineering II

WS 2020/21

Enterprise Platform and Integration Concepts

Thanks for attending SWT II

- Your work and enthusiasm make this course work
- **Team work requires collaboration and communication**
- Thanks to the tutors!

Feedback

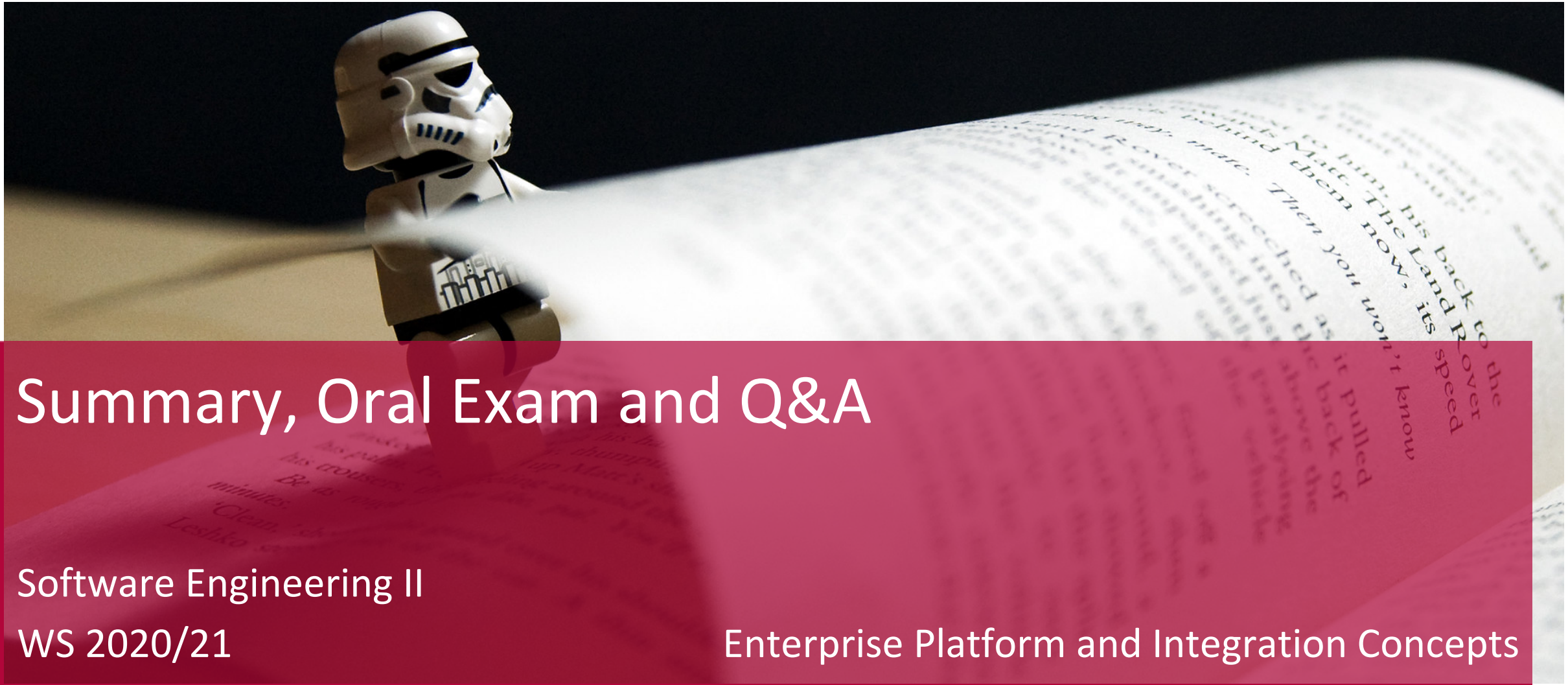
- We rely on you for feedback
- If you enjoyed the course, maybe recommend it?
- If there were things you thought could be improved next time...

Retrospective on Project and Lecture



I like, I wish
(I wonder)

- Notes: <http://tiny.cc/swt2retro>



Summary, Oral Exam and Q&A

Software Engineering II

WS 2020/21

Enterprise Platform and Integration Concepts

Agenda



1. Summary
 - Learning targets
2. Oral exam
 - Structure
 - Process
3. Q&A
 - Discussion

Extract of Learning Targets



**Be able to reflect on the development process,
be aware of pros & cons of the discussed topics**

Software Development

- Continuous Integration/Delivery

Scrum

- Agile Manifesto
- Roles, Artifacts, Meetings
- Scaling Scrum

Project Management

- Tools & Best Practices
- Planning

Remote Collaboration

- Types & challenges

Version Control Systems

- Processes, Approaches to code organisation

Testing

- TDD, BDD, Best practices

Code Reviews

- Methods, Pros & Cons

Infrastructure as Code

- Motivation & Consequences

Deployment

- DevOps, approaches and alternatives

Lean & Kanban

- Principles, Pros & Cons (esp. vs Scrum)

Group Oral Exam (default is virtual via Zoom call)

- Group exam of 3 people
- Questions posed one by one to each participant
- 3 categories of questions
 - Knowledge (What is ...?)
 - Understanding (Explain ...)
 - Applying learnings (How would you...)
- Questions from each category drawn randomly
- 30-40 minutes overall per group
- After initial answer, question can be opened for discussion
- 2 to 3 teaching team members present

Virtual exams during COVID:
Notify the teaching team if
this is not feasible for you.

Virtual Oral Exam

Exam steps

- You were assigned an exam slot
 - Email
 - If you don't know your slot, contact team team
- Connect to the Zoom call a few mins before start
 - **Test mic & video before** (in the settings)
 - Wait in waiting room until previous exam is done
 - Bring your Studierendenausweis (cover Matrikelnummer, if preferred)
- After exam, we'll put you in the waiting room
 - Discuss results
 - Then we'll let you in again

Bear with us and please have some patience. This is our first time too :)

Evaluation and Feedback

- Please evaluate the course on EvaP!
 - <https://evap.hpi.de/>
- Official evaluation of the course
- Structured
- Many dimensions
- Anonymous

Recruitment



Tutoring

- This course is heavily reliant on tutoring in meetings
- Did you enjoy thinking about processes and how teams can work together?
- Did you ever think **“I could do that tutor job”**?

- **You can!**
- christoph.matthies@hpi.de, michael.perscheid@hpi.de

Research

- Interested in Agile methods and software engineering? Are there things you would like to explore in a research setting?
- Send us your ideas and what you would like to work on!

Questions & Answers



Questions?

- Everyone knows when their oral exam slot is?
- Exam procedure?
- Lecture content?

Studying

- Use the collected questions for studying!
- Read Agile blogs
- Jeopardy!

Ruby, Ruby, Ruby,
Ruby

Mana, Mana;
Management

Immer im Kreis

Weiche Ware

Gemischtware

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<https://jeopardylabs.com/play/swtii-jeopardy>

Team 1

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Team 2

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Team 3

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Your SWTII Exam Questions



Custom Questions

- Thanks for sending them in!
- Grab a drink, let's discuss some

Your SWTII Exam Questions



- Wie grenzen Sie die Begriffe “promoting” und “releasing” voneinander ab?
- Was sehen Sie als die wichtigsten Unterschiede zwischen einer traditionellen Code Review und einer “Modern” Code Review?
- Unter welchen Umständen würden Sie als Scrum Master vorschlagen, den aktuellen Sprint Ihres Teams abubrechen?

Your SWTII Exam Questions



- Eine Pandemie hat das Geschäft Ihres Kunden komplett geändert. Ihr Team hat besonders wenig Zeit für ein neues, kritisches Feature. Auf welche Arten von Tests verzichten Sie trotz aller Konsequenzen als erstes und warum?
- Ihnen wurde die Verantwortung für ein neues, junges und unerfahrenes Softwareentwicklungsteam übertragen. Welche Vorgehensweisen empfehlen Sie dem Team?
- 3 Mitglieder Ihres Sechserteams sind zu Hause eingeschneit, sie werden in den nächsten 4 Wochen das Büro nicht erreichen. Diskutieren Sie, ob es sinnvoll ist, das gesamte Team ins Home Office zu schicken.