SUMMOR

Software Engineering Design & Construction

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Main Topics

- Understanding Software Design and Development
- Software Design Principles
- Software Design Patterns
- Advanced Programming Language Features

Goals of the Lecture

- To be able to produce "good" designs; i.e. to produce code that is among others – reusable, maintainable, comprehensible.
- To learn to judge the design of existing pieces of software.
- To get familiar with advanced programming language features and to learn when to apply them.
- To get a deeper and thorough understanding of design patterns.
- To understand the relation between software design and programming languages/
 - To understand why improvements of programming languages are important/
 - To understand programming language concepts w.r.t. supporting high-level design.

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Organization

Final Exam

- We will have a written exam at the end of July, 2015. (The date shown in TuCan may change due to the overwhelming interest in this lecture!)
- The exam will take 90 minutes.
- It will be an open-book exam.

Organization

Exercises

- We will have approx. 10 exercises
- The exercises are not graded!
- We will discuss the solution to each exercise one or two weeks after presenting it.
- You are allowed to submit one exercise to get it corrected by a tutor. The tutors will have two office hours each to help you with the exercises.

Organization

Mid-term Exam

- The mid-term exam is optional.
- By passing the mid-term exam you will get a bonus for the final exam.
- The bonus cannot be used to pass the final exam.

