

SER516

Software Agility:

Project and Process Management

Lecture 01. Course Presentation

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Office Hours: By appointment

Definition

SER516 – Software Agility: Project and Process Management

Organized Set of **tasks**

Organized set of **steps**

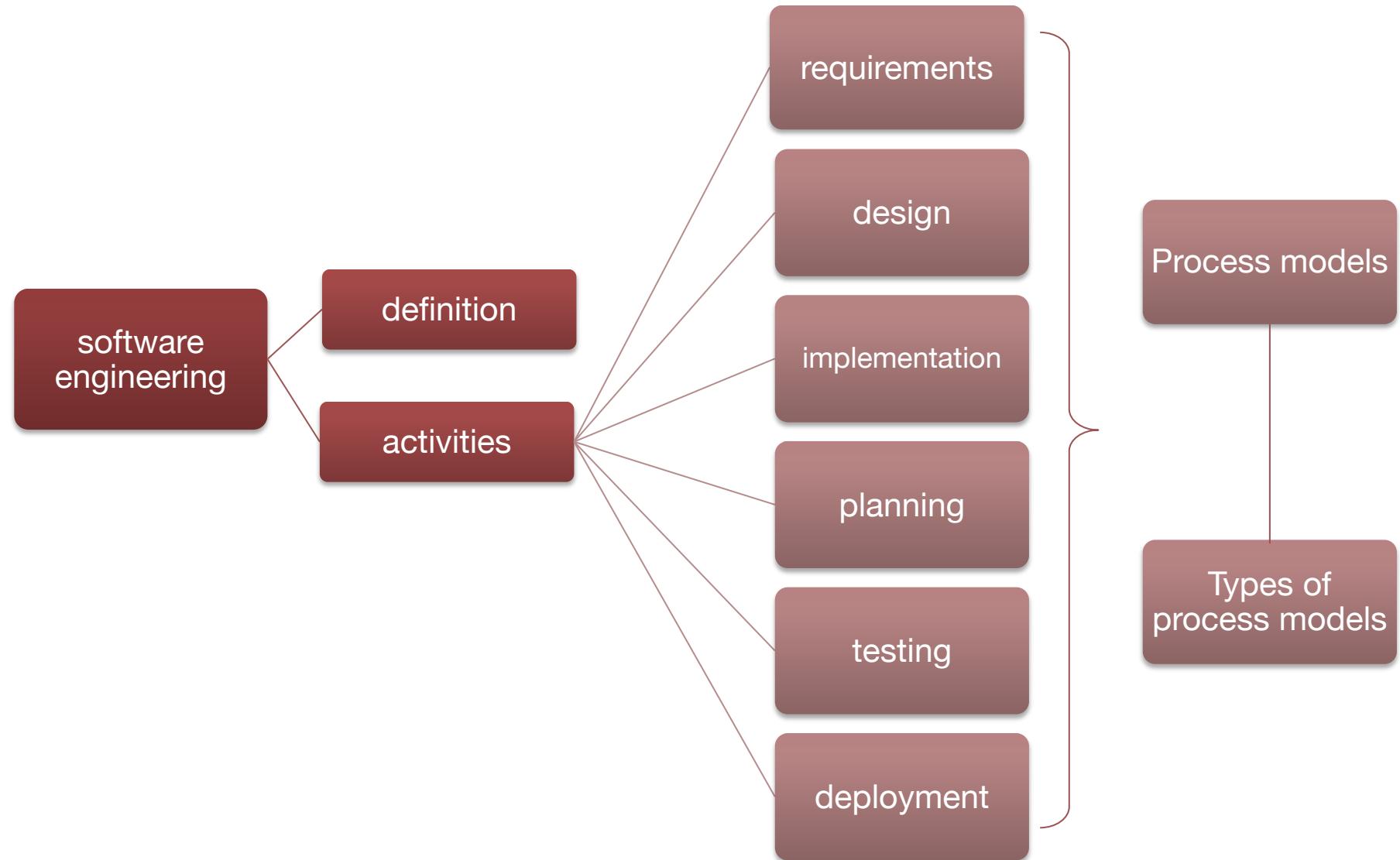
“manus agere” – to lead by the hand

[Agile]

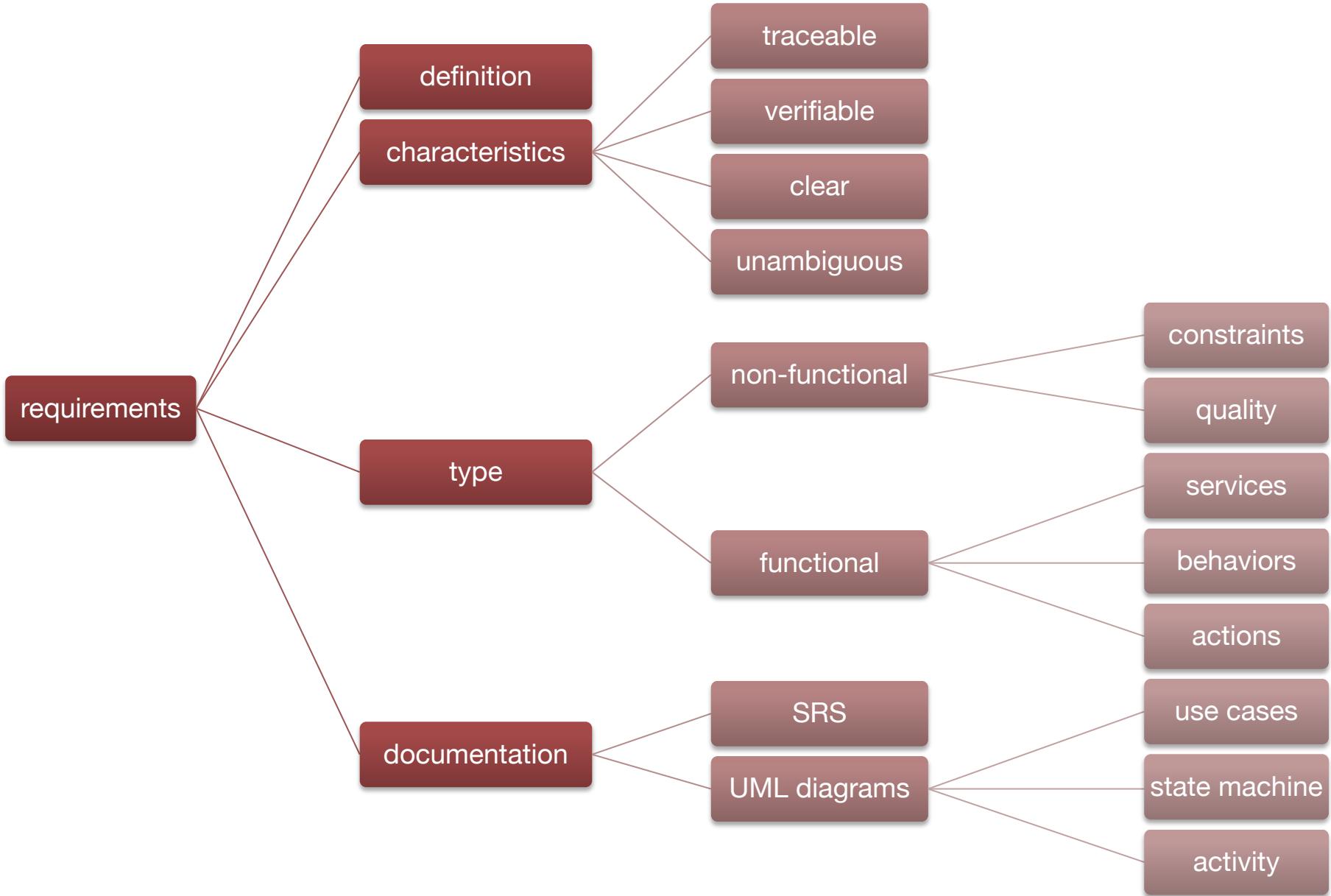
Prerequisites

- CSE 360, or
- SER 315 + SER 316, or
- Software Engineering Background

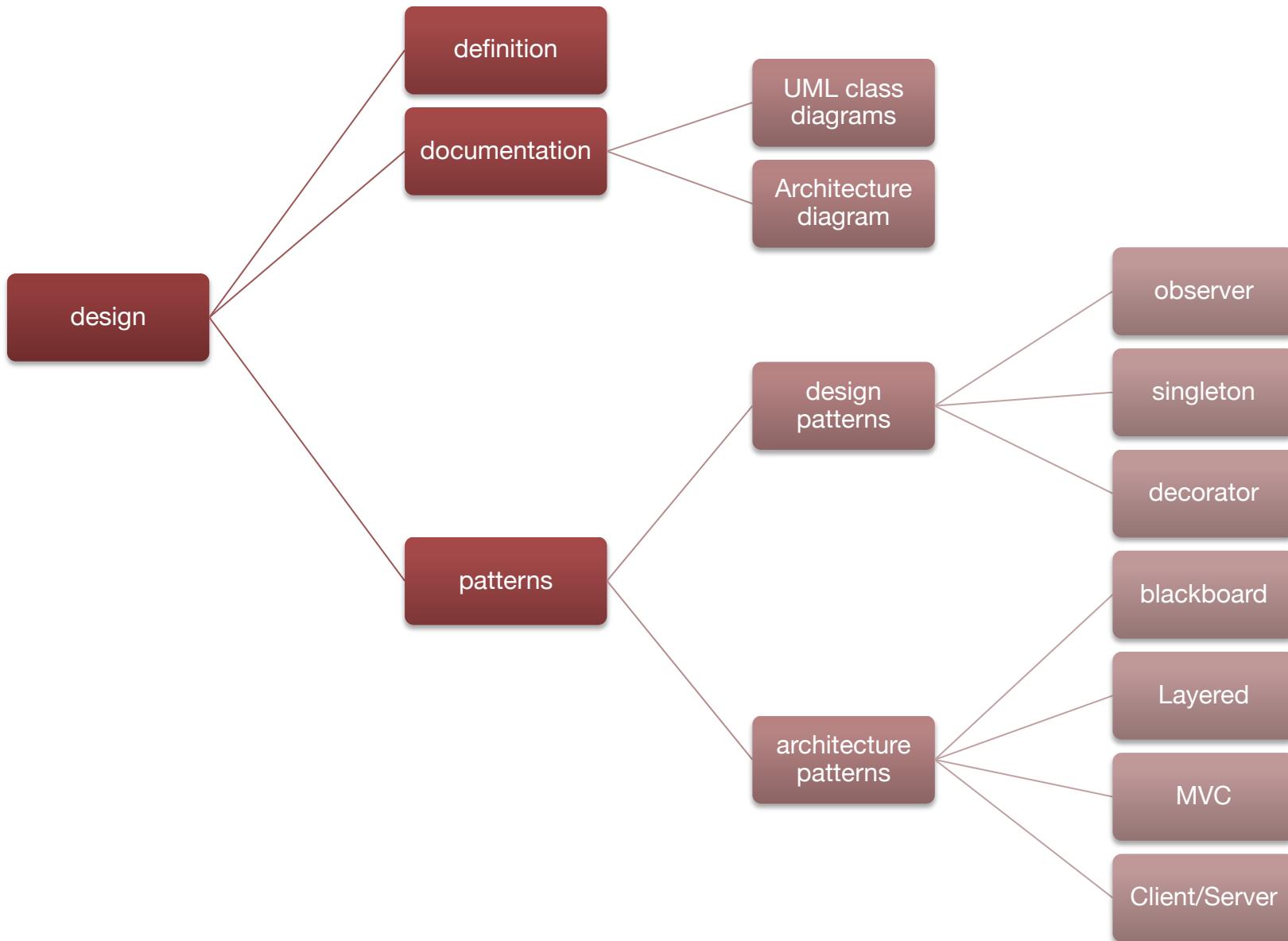
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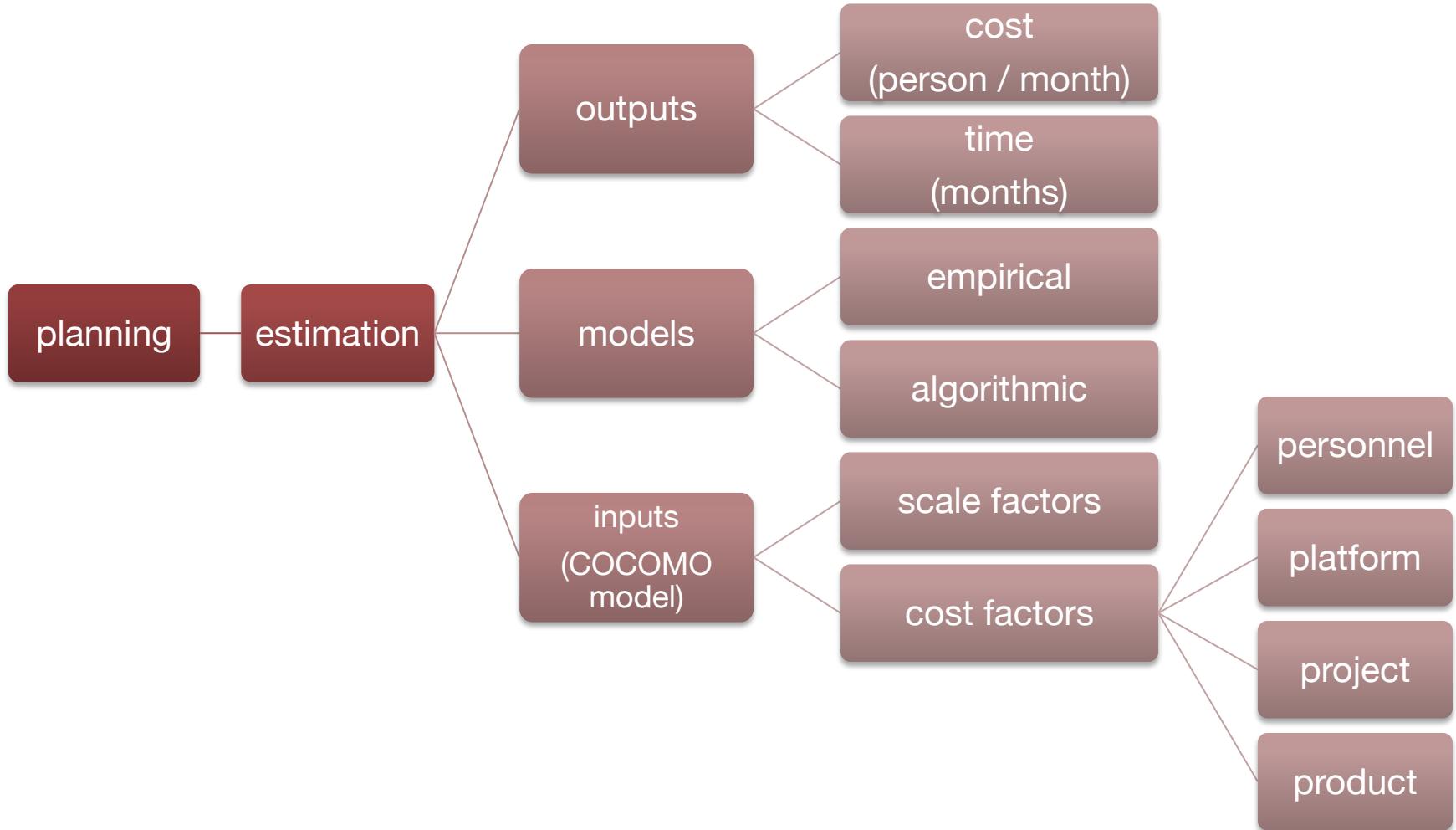
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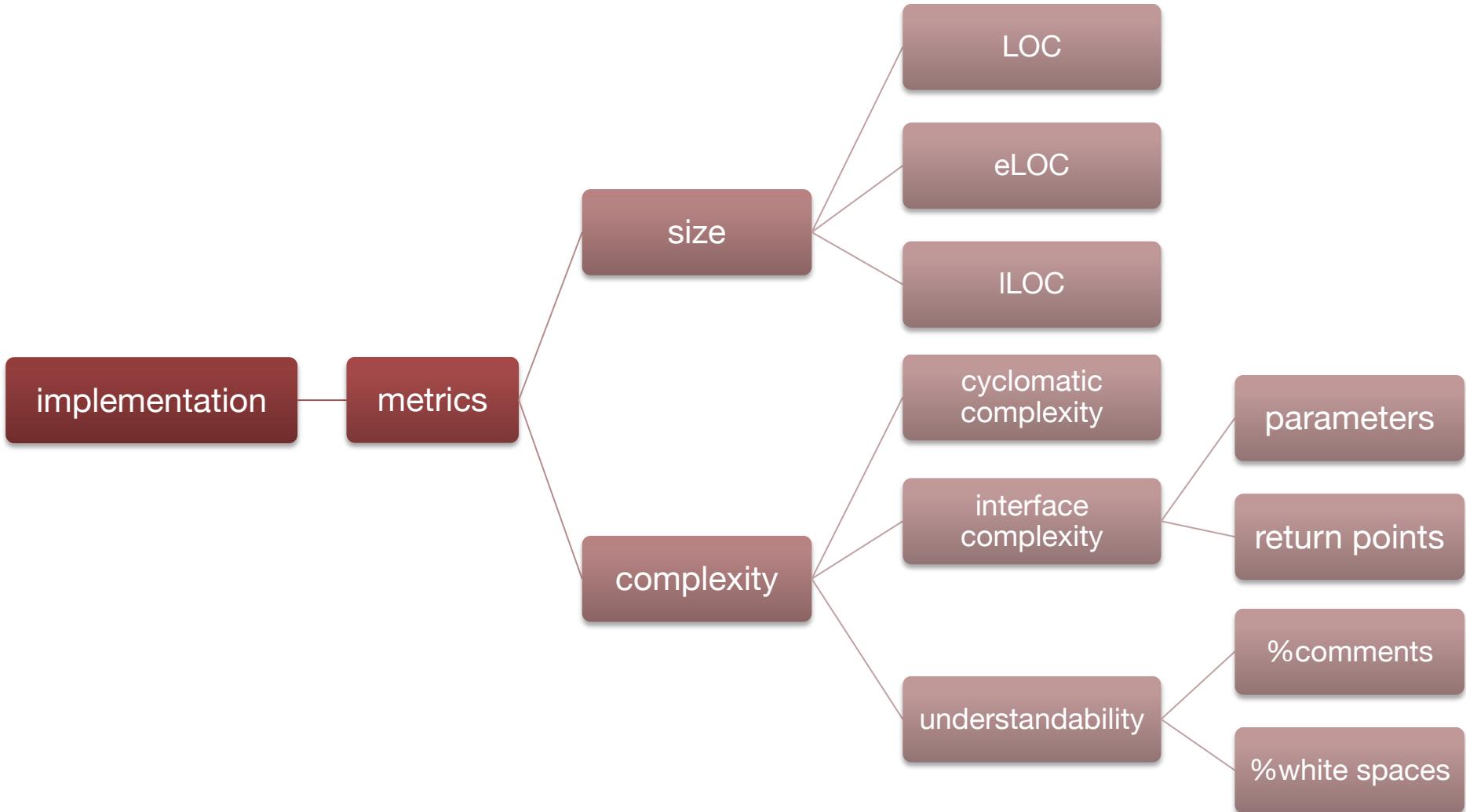
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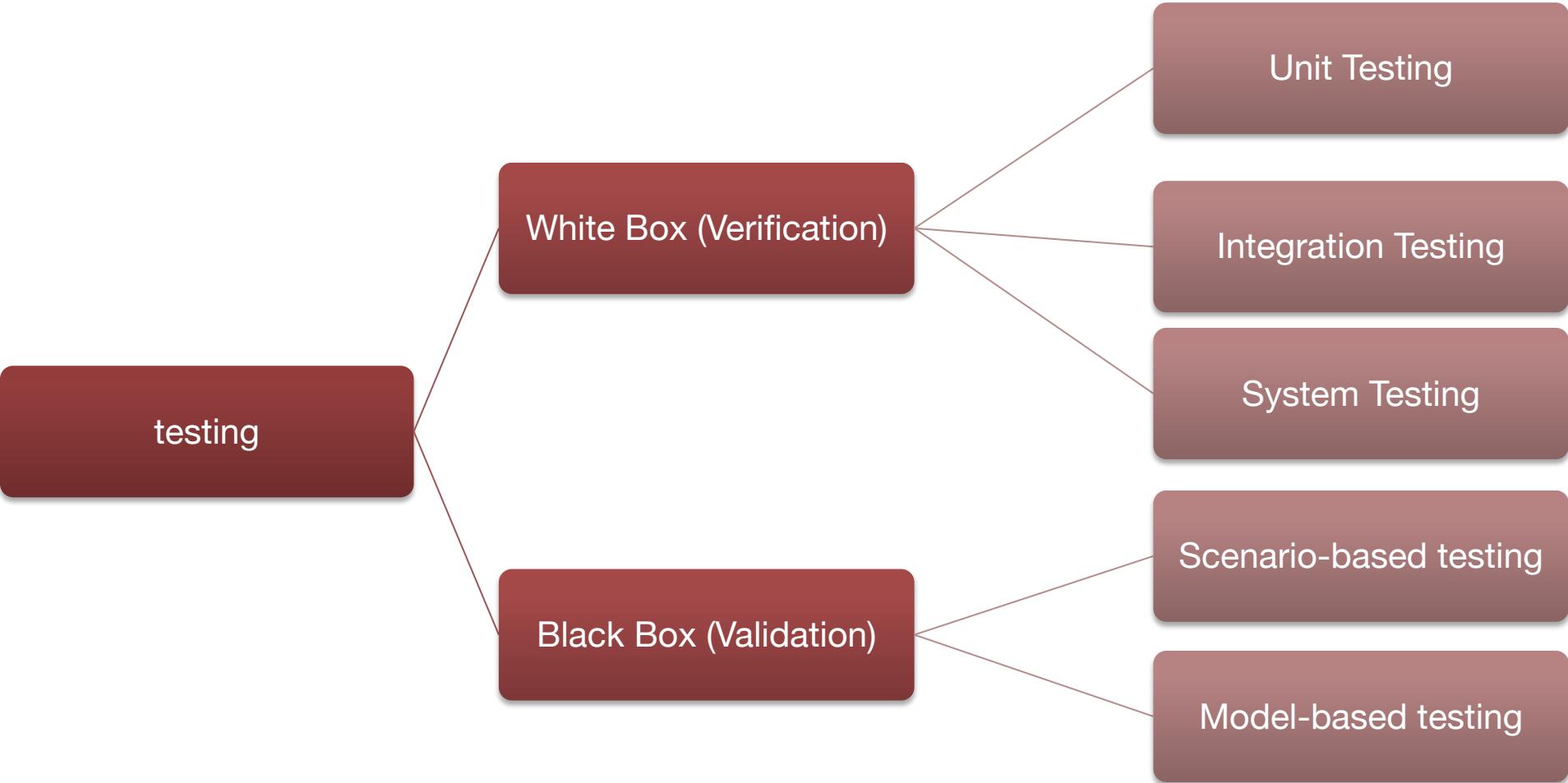
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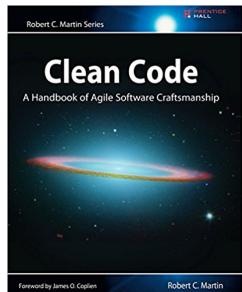
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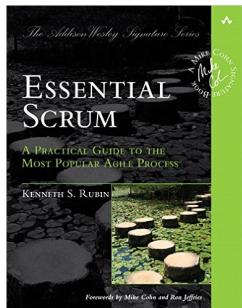
Books



- Ian Sommerville. **Software Engineering** (10th Edition). Addison-Wesley.
This is the **textbook** used in **CSE 360** (introduction to SE) and it is used extensively in **SER 515**.



- Martin, Robert C. **Clean Code: A Handbook of Agile Software Craftsmanship**. 2008.



- Rubin, K.S. **Essential Scrum** 2012, Addison-Wesley.

Main Topics

- 1. Agile Methods: SCRUM**
- 2. Delivery Models: Open Source vs Customers**
- 3. Quality: Integration, Testing, Refactoring, Measures**

Grading

Exams (2)

25% + 25%

50%

Team Project
(graded individually)

25%

Labs, Quizzes,
Assignments

25%

Attendance

10 times randomly
(-1% per absence)

-10%

100%

97	A+	85	B+	73	C+
93	A	81	B	69	C
89	A-	77	B-	65	D

Exams

- 1 midterm during the semester
- 1 final exam (comprehensive)

Assignments

- It is important that you are able to code in Java. But projects are more than just programming labs.
- The projects focus is **management**. It is assumed that you are good in programming and understand software design.
- Approximately, 10 hours of work outside of class per week.

Attendance

- Attendance is required.
- Announcements are made in class.
- I will try to post all important information on Blackboard.
- If you come to class, you are expected to participate.

Ethics

- **Violations of academic integrity** include (but are not limited to) cheating, fabrication, tampering, plagiarism or **facilitating such activities**.
- it is **unethical** to bring to your instructor's attention the possible **impact of your course grade** on your future plans, including graduation, scholarships, jobs, etc.

Homework

Read the **Syllabus**

If needed, Review Somerville:
Chapters 2, 3, 4, 5, 6, 7, 23, and 24

