

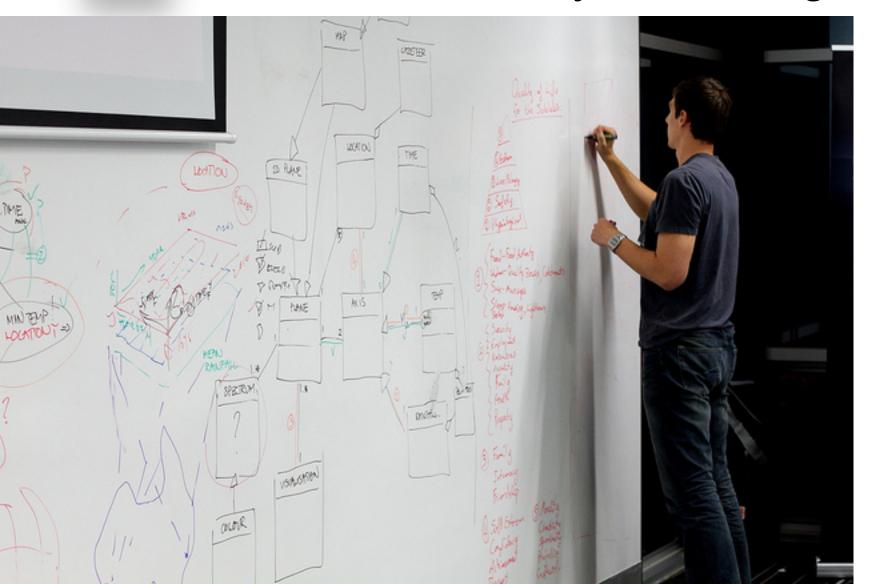
Advanced Software Design

ADVANCED COURSE (5hp)
Period 2

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It's all about system design...





Our expectations from you

Principles of Software Engineering

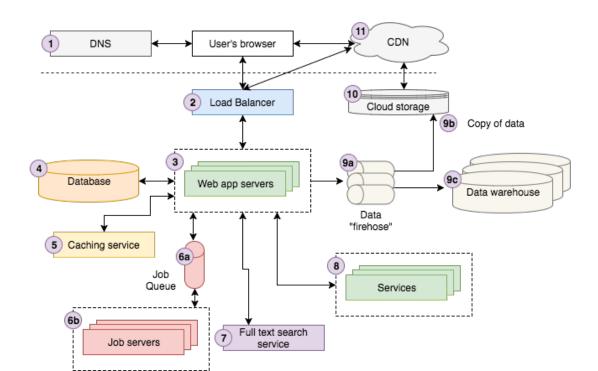
 At UU Software Engineering and Project Management (1DL251) or equivalent

Object Oriented Programing

Experience coding using an OO language

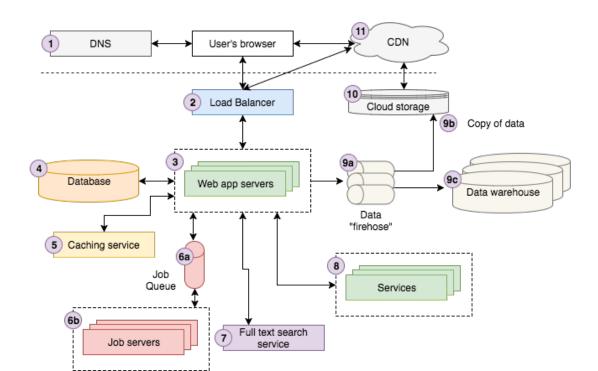


System (software + architecture) design



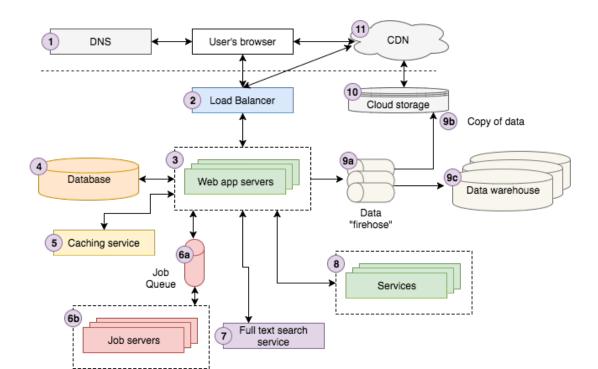


- System (software + architecture) design
 - Domain modelling



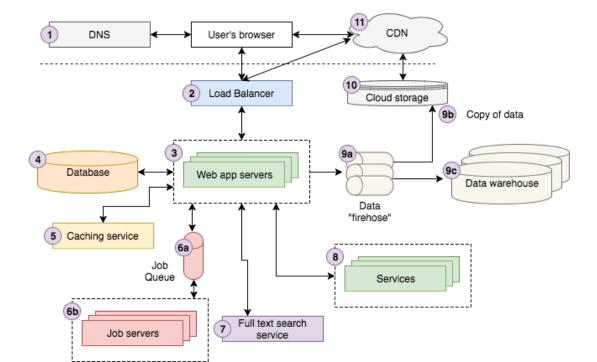


- System (software + architecture) design
 - Domain modelling
 - Static vs. behaviour models



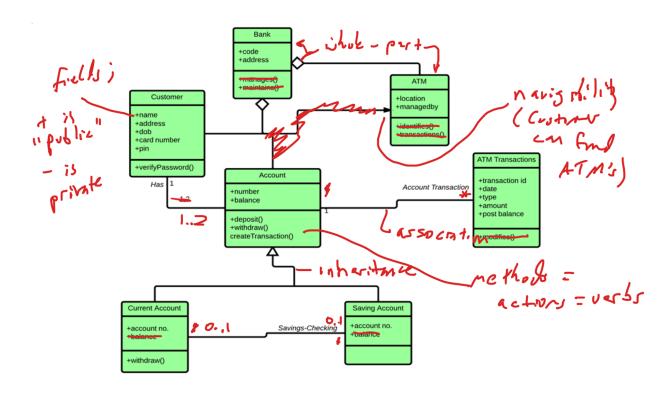


- System (software + architecture) design
 - Domain modelling
 - Static vs. behaviour models
 - Software architecture



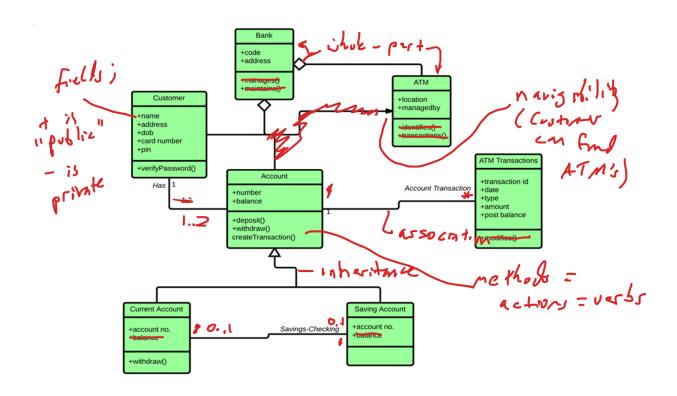


Design principles for "good" software



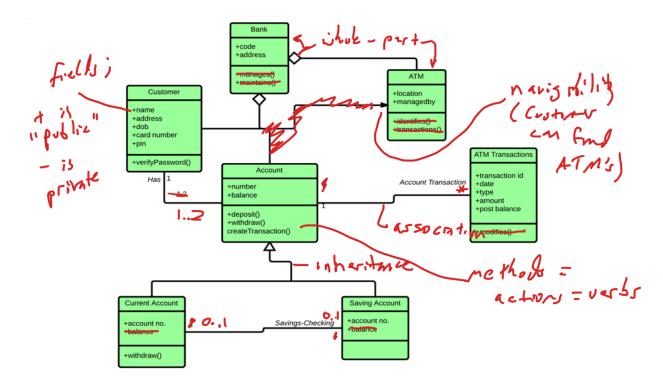


- Design principles for "good" software
 - GRASP principles





- Design principles for "good" software
 - GRASP principles
 - Design patterns





Course Structure

Lectures

- 8-10 Interactive lectures and online exercises
- Focus on design principles and UML

Project in groups of ~4 students

- Complete design of a "large" project
- Partial implementation of the system



Grading

- Achievement-driven methodology (5hp, 3/4/5)
 - 21 achievements
 - Each achievement marked as 3 / 4 / 5

Course Objective	A	В	С	D	E	F	Extra	Р	Total
Level 3	1	3	3	1	1	1	-	1	11
Level 4	1	1	3	-	1	3	-	-	9
Level 5	-	-	-	-	-	-	1	-	1
Total	2	4	6	1	2	4	1	1	21

Groups choose how to be evaluated using their project



Questions



You can always write me at:

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