

Exam Practice

DAT220|DIT544

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Schedule

Week		Date	Time	Lecture	Note
3	L1	Wed, 20 Jan	10:15 – 12:00	Introduction & Organization	Truong Ho
3	L2	Thu, 21 Jan	13:15 – 15:00	Architecting Process & Views	Truong Ho
4		Tue, 26 Jan	10:15 – 12:00	Skip	
4	S1	Wed, 27 Jan	10:15 – 12:00	<< Supervision: Launch Assignment 1>>	TAs
4	L3	Thu, 28 Jan	13:15 - 15:00	Roles/Responsibilities & Functional Decomposition	Truong Ho
5	L4	Mon, 1 Feb	13:15 – 15:00	Architectural Styles P1	Truong Ho
5	S2	Wed, 3 Jan	10:15 – 12:00	<< Supervision/Assignment>>	TAs
5	L5	Thu, 4 Jan	13:15 – 15:00	Architectural Styles P2	Sam Jobara
6	L6	Mon, 8 Feb	13:15 – 15:00	Architectural Styles P3	Truong Ho
6	S3	Wed, 10 Feb	10:15 – 12:00	<< Supervision/Assignment>>	TAs
6	L7	Thu, 11 Feb	13:15 – 15:00	Design Principles (Maintainability, Modifiability)	Truong Ho
7	L8	Mon, 15 Feb	13:15 – 15:00	Architectural Tactics & Analysis	Truong Ho
7	S4	Wed, 17 Feb	10:15 – 12:00	<< Supervision/Assignment>>	TAs
7	L9	Thu, 18 Feb	13:15 – 15:00	Architecture Evaluation	Truong Ho
8	L10	Mon, 22 Feb	13:15 – 15:00	Reverse Engineering & Correspondence	Truong Ho
8	S5	Wed, 24 Feb	10:15 – 12:00	<< Supervision/Assignment>>	TAs
8	L11	Thu, 25 Feb	13:15 – 15:00	Guest Lecture 1	TBD
9	L12	Mon, 1 Mar	13:15 – 15:00	Guest Lecture 2: Architectural Changes in Volvo AB	Anders M.
9	S6	Wed, 3 Mar	10:15 – 12:00	<< Supervision/Assignment>>	TAs
9	L13	Thu, 4 Mar	13:15 – 15:00	Exam Practice	Truong Ho
10		Thu, 11 Mar	PM	Group presentation of Assignment	Teachers
11	Exam	Thu, 18 Mar	AM		

We are
HERE!

Register for a presentation slot!

- Registration is available at
https://doodle.com/poll/qywgmnxgnig3r72c?utm_source=poll&utm_medium=link
- Announcement:
https://chalmers.instructure.com/courses/12514/discussion_topics/58302

No Assignment 2

- Mainly reason:
 - high workload some teams are having with Task 2, Assignment 1.
- Removal of Assignment 2
 - does not affect learning outcomes
 - gives teams more time to create a thorough prototype of the WASPP system
- Announcement

https://chalmers.instructure.com/courses/12514/discussion_topics/58295

Canvas page of the final exam is published!

- Check the link
<https://chalmers.instructure.com/courses/14340>
- If you cannot access, contact student office (student_office.cse@chalmers.se) for help!
- If you have special needs/requests during the exam, come talk to me!

General Info

- Date: 18th of March, 2020.
- Time:
 - Writing time: 8.30 – 12.30 (sharp)
 - 30 mins for preparing submission
 - Submission closes at 13.00
- Where: Remote 'hall' exam
 - NO proctoring, NO openbook
 - Allow to use: rules, dictionary, pen, diagram editor
- Must have:
 - Computer with Internet!
 - Access to the Exam Canvas Page

Questions during the exam

- We use a Google Drive form **DURING the exam!**

Interactive Questions Document for DAT220|DIT544 Advanced SW ARCH Exa... ☆ ↗ ☁

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Hi -
pls write your question below in the section for the exam-question that you have a question about:

Good Luck & Success

Question(Q) 1:
Answer(A) 1 (THQ):

Q2:
A2 (THQ):

Q3:
A3 (THQ):

Q4:
A4 (THQ):

Q5:
A5 (THQ):

Exam components

- Question 1: General Knowledge on SA
- Question 2: Drivers and Quality Attribute scenarios
- Question 3: Architectural Styles
- Question 4: Design Principles
- Question 5: Reverse Architecting
- Question 6: Architectural Design Case

Exam components – Compared to last year

Question	This year (HT21)	Last year (HT20)
Q1	General Knowledge on SA	General Knowledge on SA
Q2	Drivers and Quality Attribute scenarios	Requirements & Quality Attribute scenarios
Q3	Architectural Styles	Architectural Styles
Q4	Design Principles & Tactics	Design Principles & Tactics
Q5	Reverse Architecting	Reverse Architecting
Q6	Architectural Design	Architectural Design

Type of questions

- Short-answer
 - Provide a short explanation of your choice (1 – 5 sentences)
 - e.g. stakeholders & their stakes, arch. drivers
- Longer answer
 - A paragraph of 5 – 10 sentences (not longer)
 - e.g. Motivate your choices of styles
- In general:
 - Be short and concise
 - Motivate your choices, argue for your points ¹⁰

Lectures

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Focused content

Lecture	Focused Content (slide #)
L1	50-69, 80, 81, 85-92
L2	14-18, 29-36, 37-45 (Forces&Drivers), 50-59 (Stakeholders), 64-68, 72, 73, 76-94, 98, 99.
L3	12-27 (Roles), 30-42 (CRC Card), 46-79 (Functional Decomposition & Examples)
L4	10-13, 18, 19, 26-59 (Client-Server), 62-76 (Pipe&Filter)
L5	6-9, 12-25 (Peer to Peer), 27-36 (Microservices), 39-47 (Event-Driven), 50-54.
L6	11-21, 31, 32 (Pub/Sub), 35-42, 50,61 (Blackboard), 53-65 (Layered Style)
L7	7-9, 15-34, 36, 37, 40-42, 50-57, 70
L8	5-7, 9, 11-18, 19-22, 24-37, 41-60 (Reliability Block Diagram), 71-89 (Performance)
L9	5, 7-9, 11, 14-16, 22-25, 27, 28, 30, 32-44, 52-68 (ATAM example)
L10	6-9, 13, 18-27 (Reverse Architecting), 56-62 (Example), 80-93 (Checking Design-Implementation Conformance), 105, 106
L11	Guest Lecture (N/A)
L12	Guest Lecture (N/A)

This is the a slide #!

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UML diagram editor tools

- StarUML (Opensource)
- ArgoUML (Opensource)
- Papyrus–Eclipse
- PlantUML (textual description)
- GenMyModel (online)
- sketchboard.io (online)
- ...

Questions?

Goodluck!