

# Software Architecture @ MEIC

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Forum@Mattermost

Register through

[https://fenix.tecnico.ulisboa.pt/disciplinas/  
ASofI/12/2025-2026/I-semestre/forum](https://fenix.tecnico.ulisboa.pt/disciplinas/ASofI/12/2025-2026/I-semestre/forum)

# Classes

Mon	Tue	Wed	Thu	Fri
08:00				
09:00				
10:00				09:30 - 10:30 T FA2
11:00		11:00 - 12:30 L Q4.1		
12:00		12:30 - 13:30 T FA2	12:00 - 13:30 L F4	
13:00	13:30 - 14:30 T FA2		13:30 - 14:30 T EA1	Office Hours Meet
14:00	14:30 - 16:00 L F3			14:00 - 15:30 L V1.08
15:00		Office Hours Meet		15:30 - 17:00 L F2
16:00		15:30 - 17:00 L V1.12		
17:00				Office Hours Meet
18:00				
19:00				

# Office Hours

Meet: <https://meet.google.com/apu-hzzi-xqz>  
Please, send message through  
Mattermost before connecting.

Classes will be in English

# Flipped Classroom

Read material before class

# Discussion during class

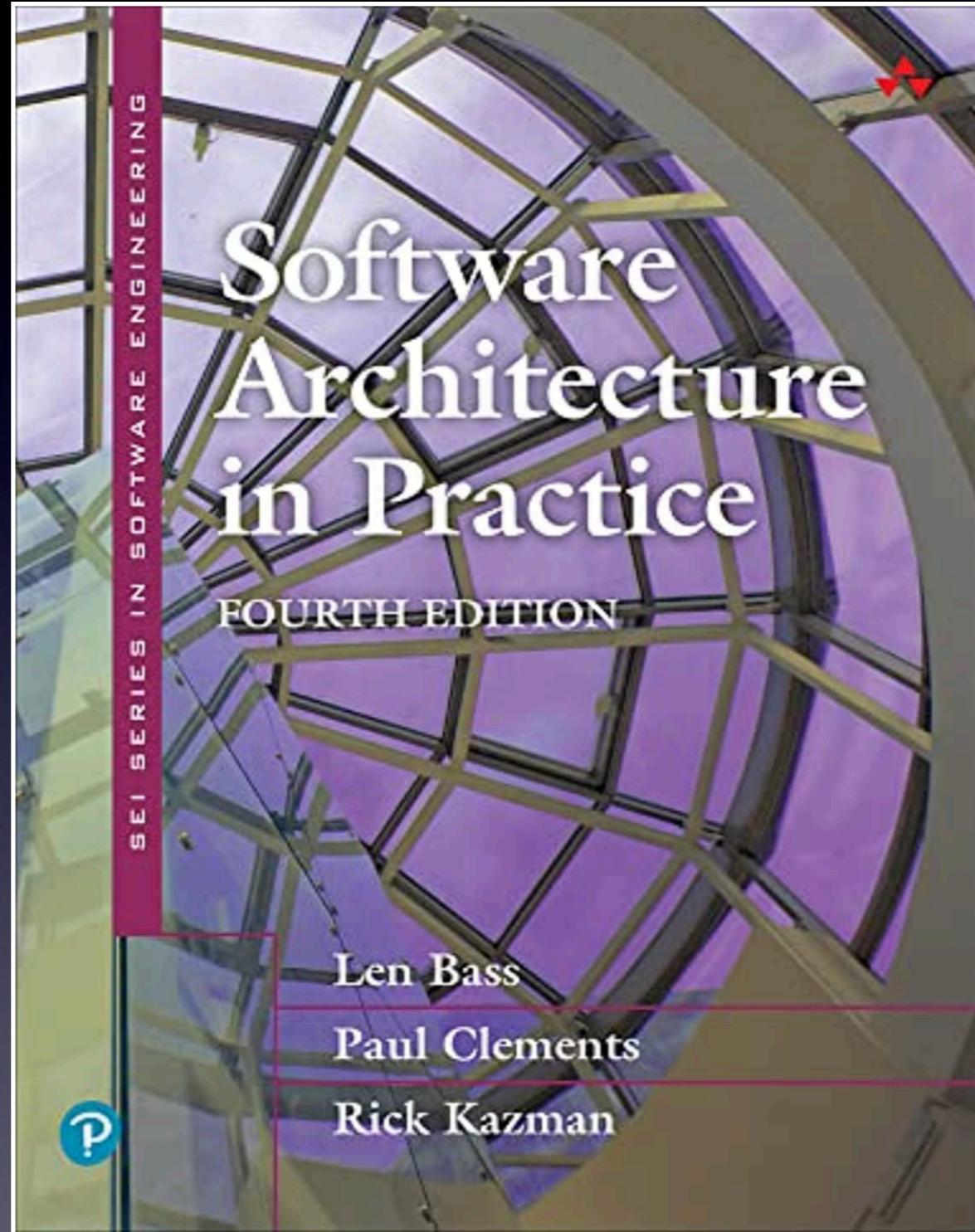
Mini-test at the end of lectures  
(optional)

Study by the books  
and other provided material!

# Bibliography

# What is Software Architecture?

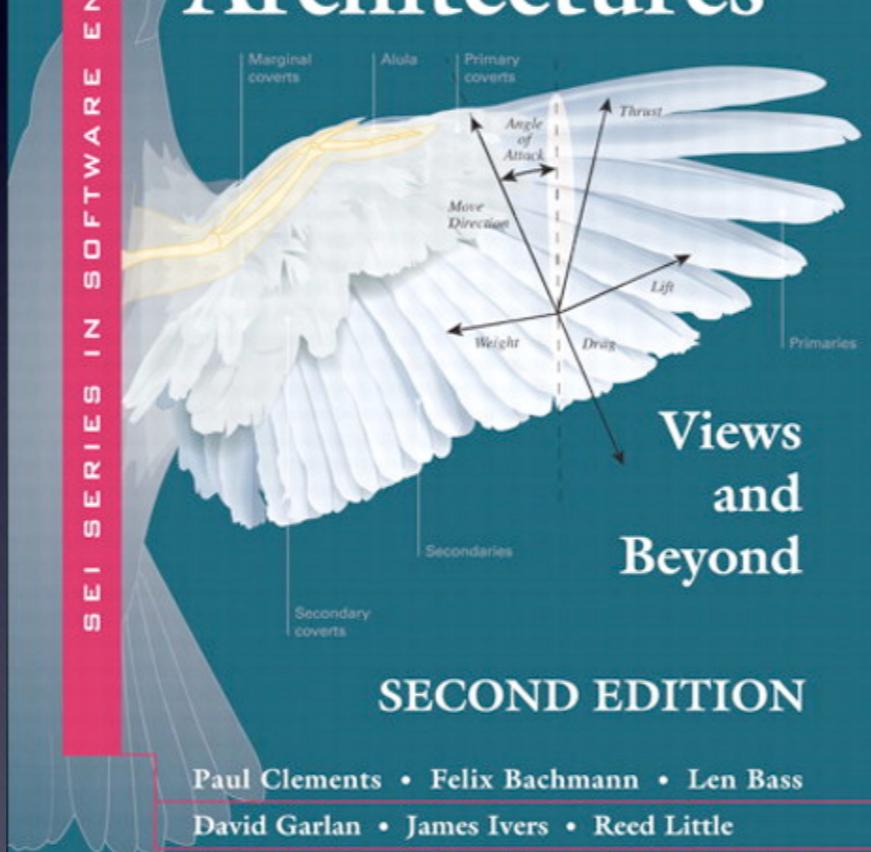
# How to build a Software Architecture?



# Documenting Software Architectures

SEI SERIES IN SOFTWARE ENGINEERING

# Documenting Software Architectures



Views  
and  
Beyond

SECOND EDITION

Paul Clements • Felix Bachmann • Len Bass

David Garlan • James Ivers • Reed Little

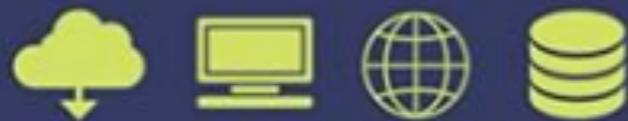
Paulo Merson • Robert Nord • Judith Stafford

# System Design Interview

## An Insiders Guide

VOLUME 1

# SYSTEM DESIGN INTERVIEW



AN INSIDER'S GUIDE

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Alex Xu

VOLUME 2

# SYSTEM DESIGN INTERVIEW



AN INSIDER'S GUIDE

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ByteByteGo

Alex Xu & Sahn Lam

# Domain-Driven Design

# Domain-Driven DESIGN

Tackling Complexity in the Heart of Software



Eric Evans

Foreword by Martin Fowler

# Microservices Architecture

# Microservices Patterns

Chris Richardson

MANNING

Copyrighted Material

With examples in Java



Copyrighted Material

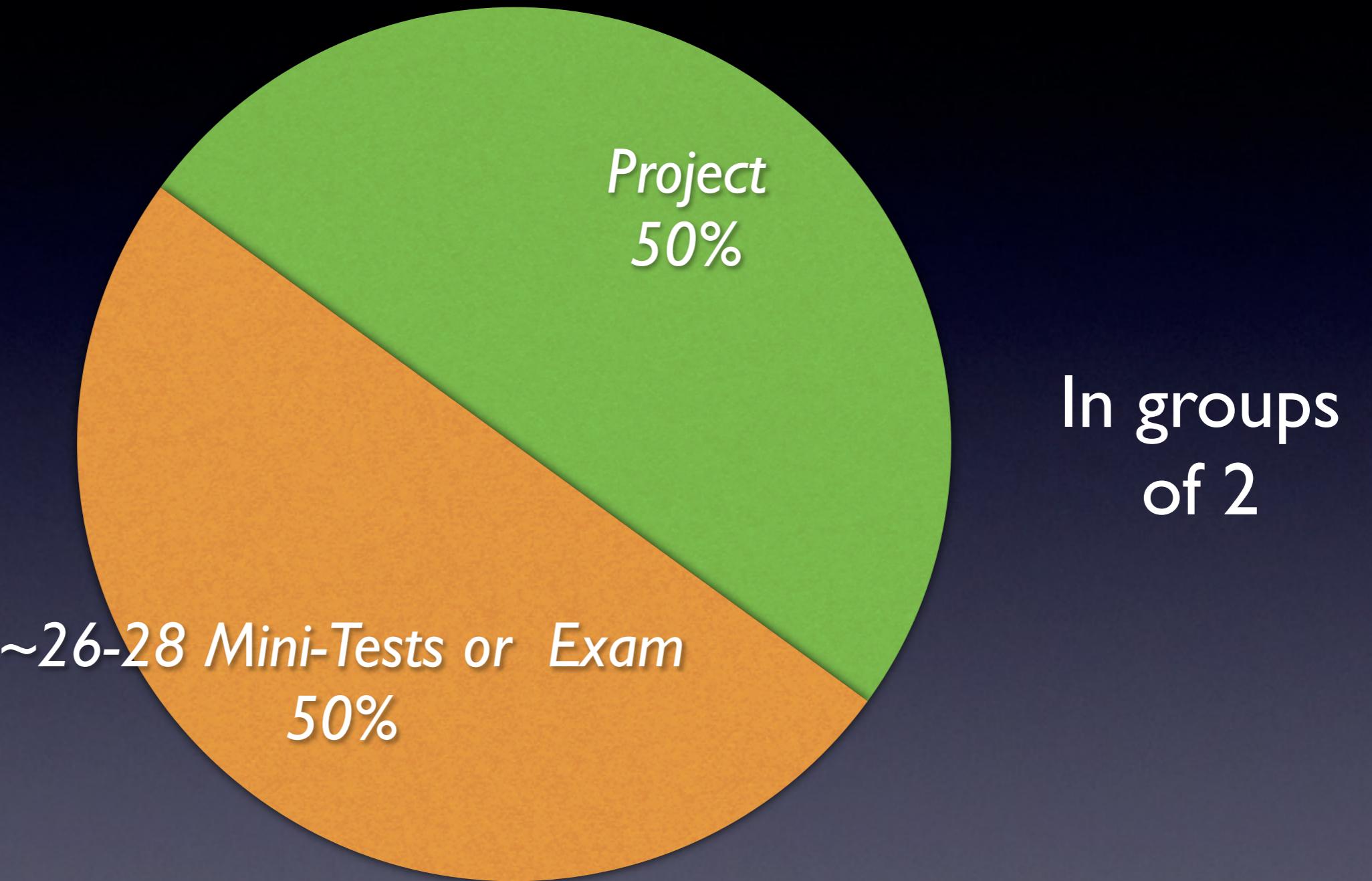


# The Cloud

In the Companion

<https://antonioritosilva.org//software-engineering-companion/software-architecture/>

# Grades



# Working students



*Exam  
(min 9.5)  
100%*

# Mini-tests at the end of lectures **(optional)**

(Current lecture subject  
and previous problems classes)

# On the in class mini-test

- 5 questions / 5 minutes: correct answer +4, incorrect answer -1
- the option that is "more" correct
- 70% of best quizzes for fault tolerance
- may replace the exam

# On the in class mini-test

- it is optional
- in class
- may be cancelled due to uncontrolled conditions
- use the demo UIs of the QuizzesTutor to check that everything works OK with your device

# Exams

- January 22 at 15:30
- February 6 at 10:30

# Project

Describe and discuss  
the software architecture  
of Google Drive

Soon, project statement on the course web page

Project delivery 9/1/2026

Project discussion week of January 12

# Groups of 2 students

group members should attend the same shift

# Group enrollments in Fénix

From 19/11/2025 at 10:00  
to 1/12/2025 at 10:00

# Deloitte Award

1.800€ for the best group

$$gs = (2 * pg + eg\ ge1 + eg\ ge2) / 4$$

gs - group score

pg - project grade

eg - exam grade

ge1 - group element 1

ge2 - group element 2

Update your photos and email!