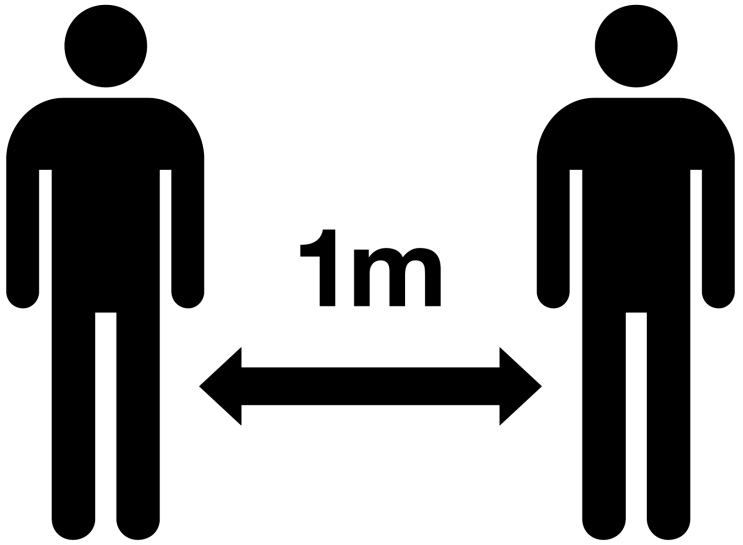
Advanced Software Engineering

Department of Computer Science
University of Pisa

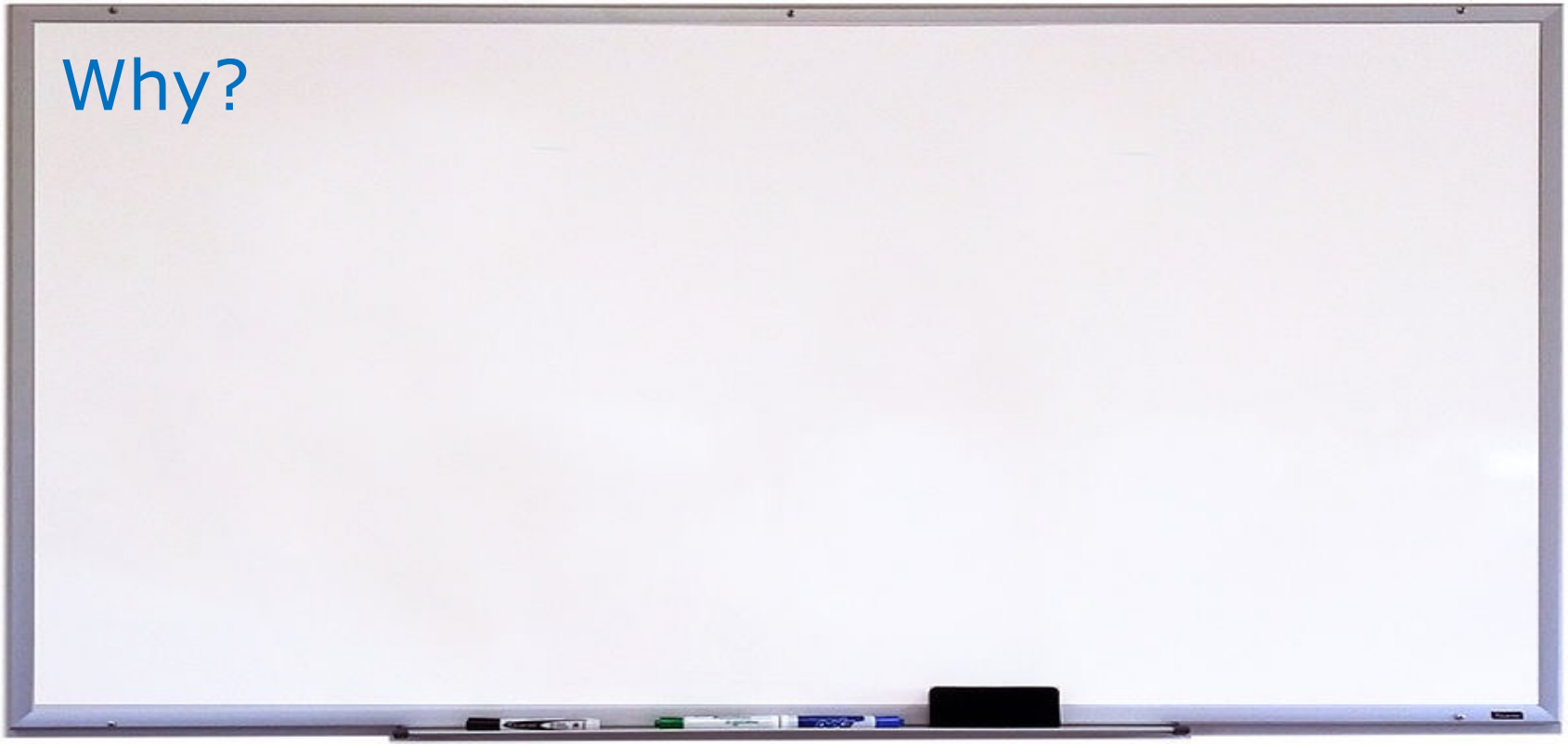
MSc in Computer Science & Networking
MSc in Computer Science
MSc in Cybersecurity

Please respect all the UNIPI anti-COVID 19 security measures

strongly recommended



strongly recommended (when possible)


Why?

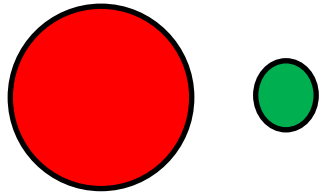
Nick

… it is a mandatory course (for many of us)

Job interview questions (examples)

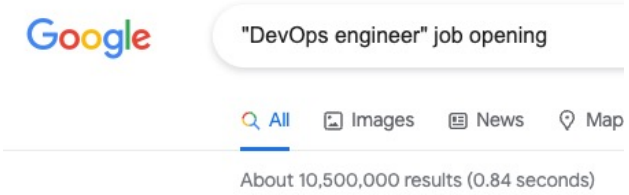
What is a container?

What is a microservice?

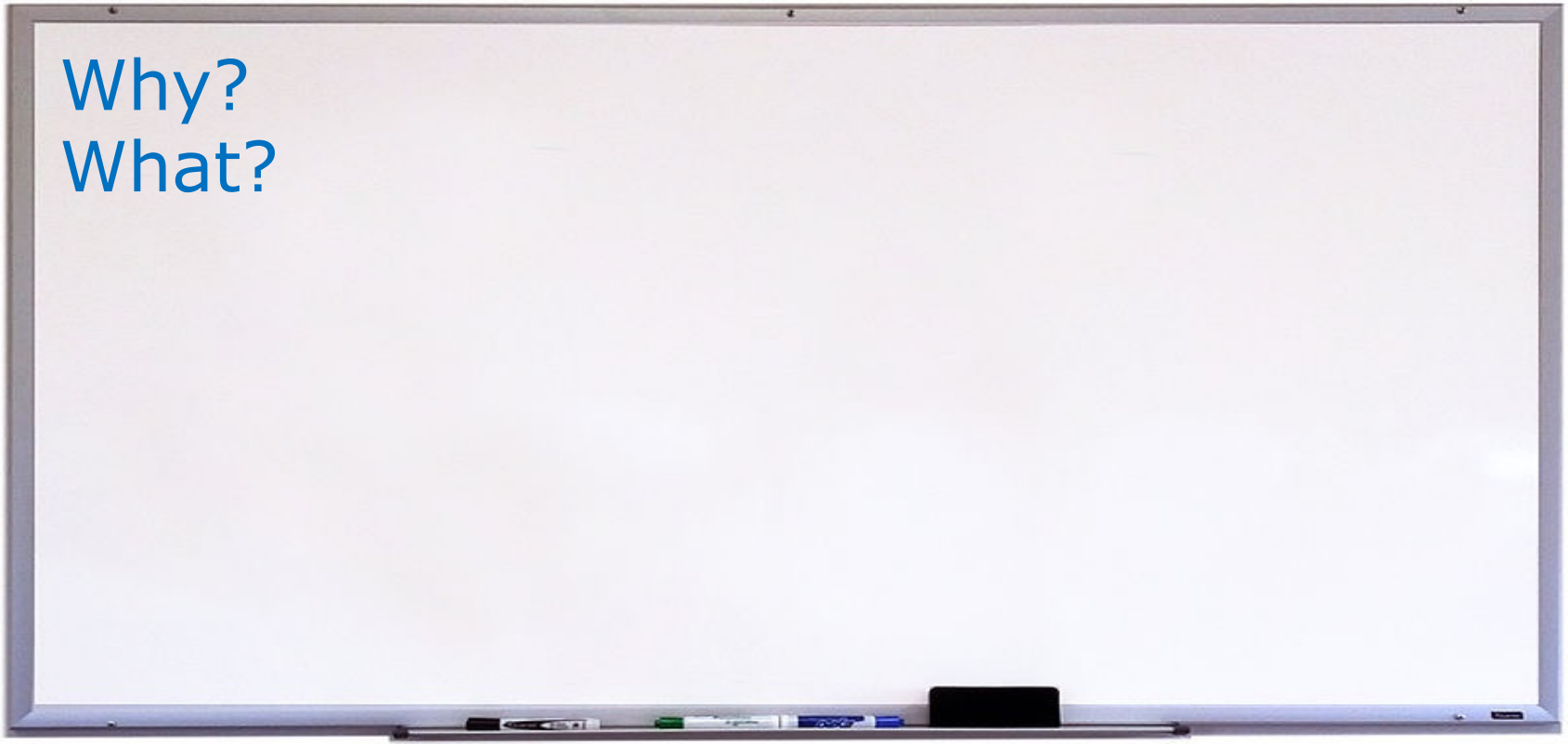


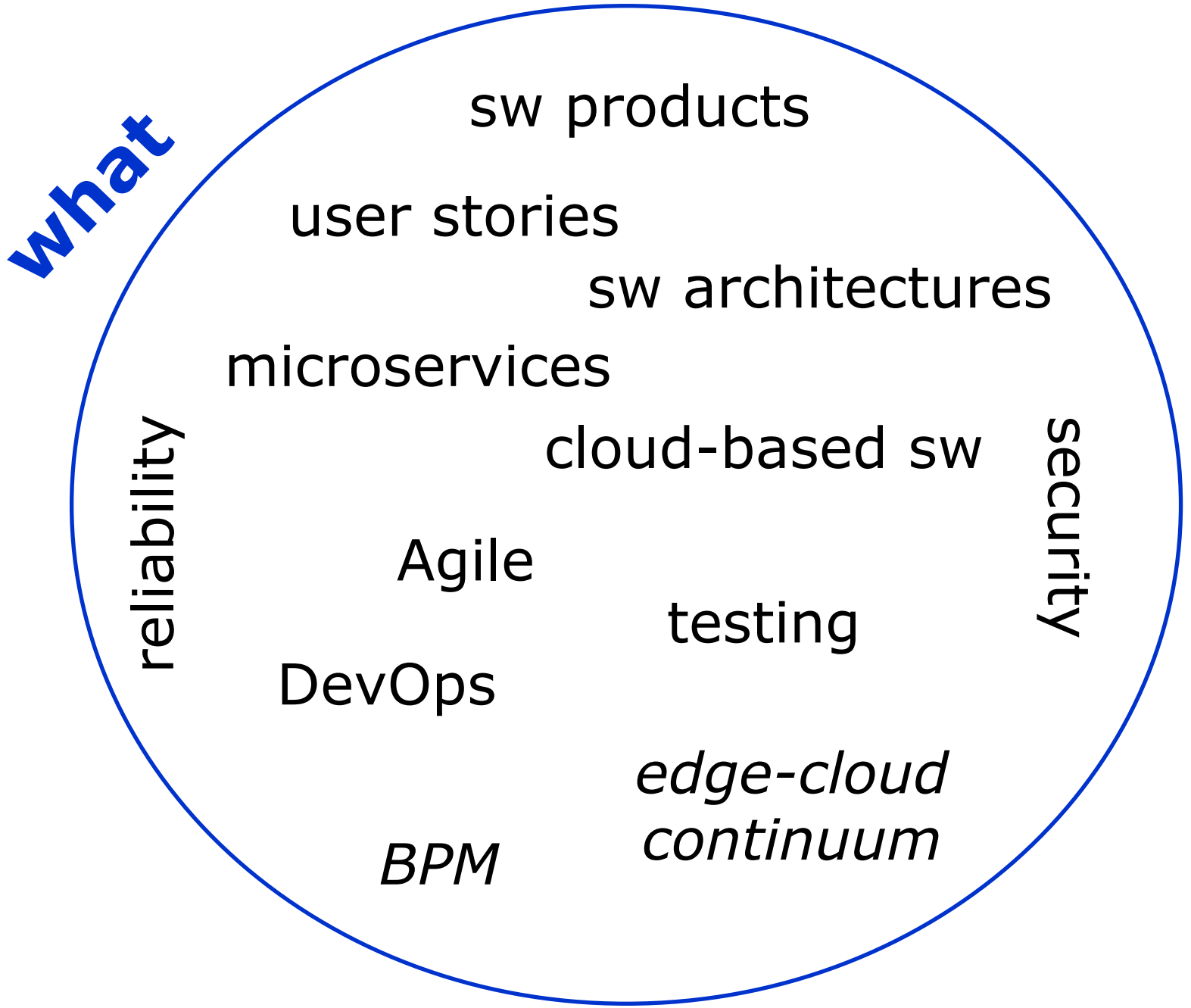
Can you develop agile?

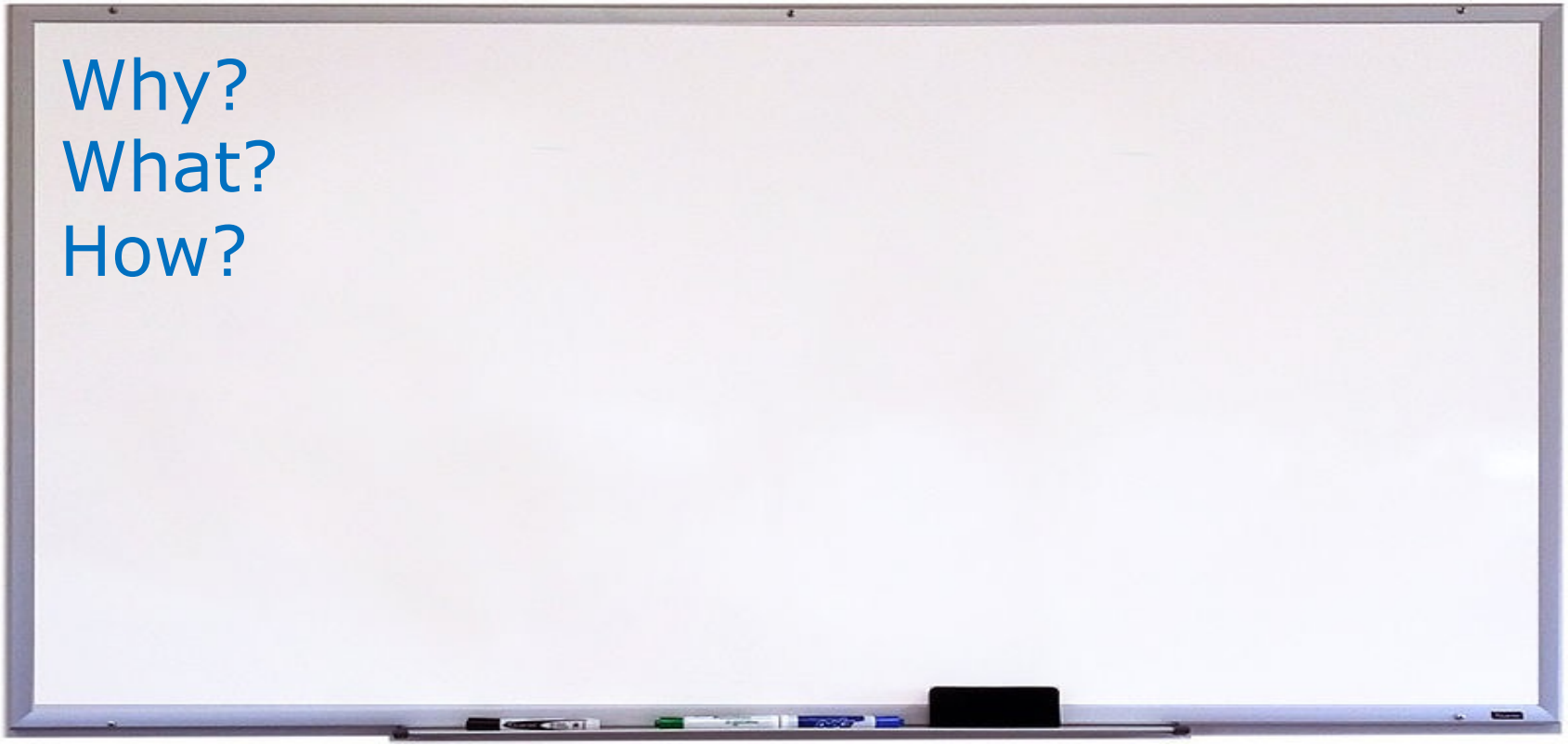
Are you a DevOps engineer?



Can you deploy securely?


Why?
What?


what
sw products
user stories
sw architectures
microservices
cloud-based sw
reliability
security
Agile
testing
DevOps
edge-cloud
continuum
BPM


Why?
What?
How?

Wednesday at 2 pm
Thursday at 2 pm
Friday at 11 am

«cum tempore»

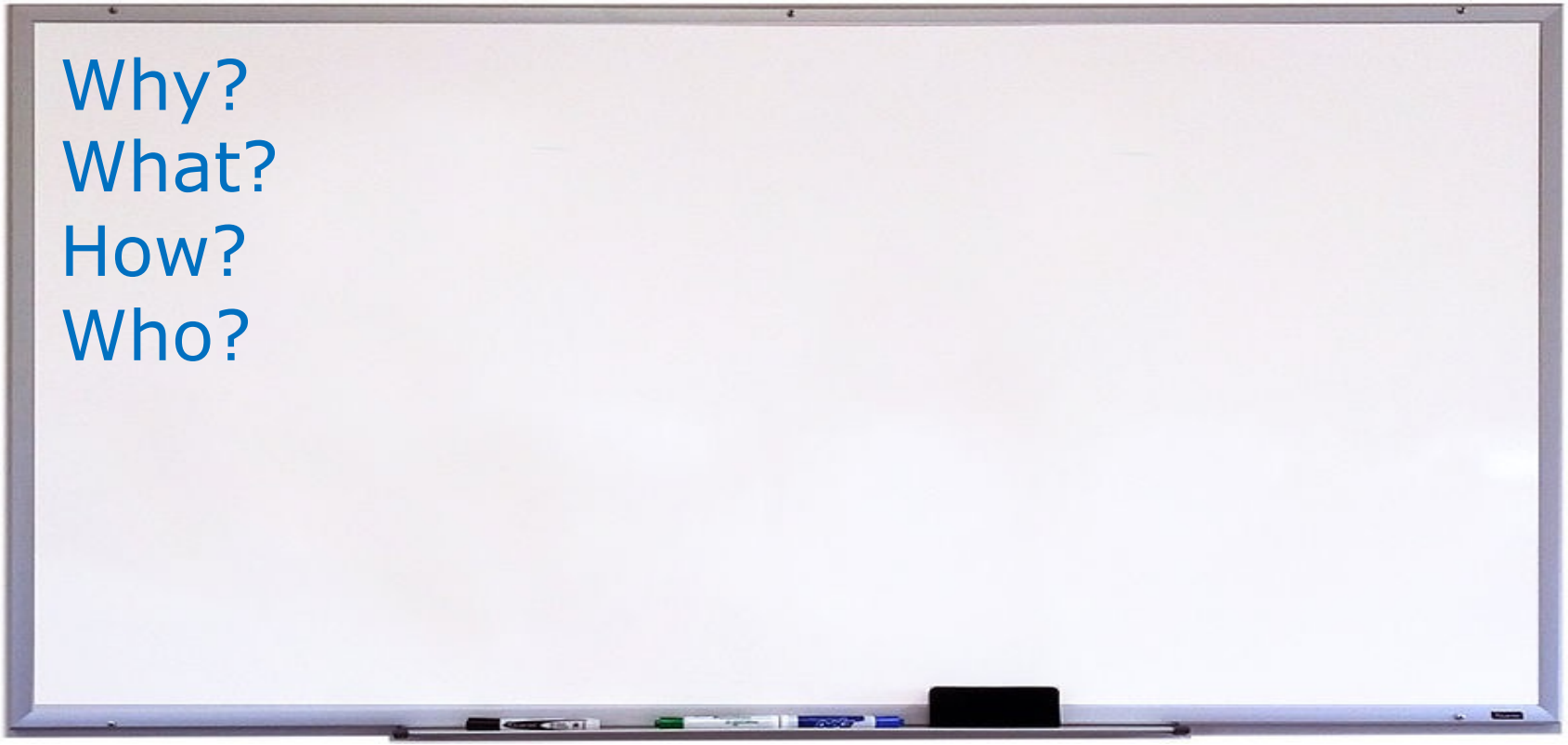
classes + labs (**BYOD**)

Ian Sommerville.
Engineering Software Products - An Introduction to Modern Software Engineering.
Pearson, 2021

Two copies of the book will be available in UNIPI computer science library

All other course material on moodle

!3222ESA


Why?
What?
How?
Who?

Antonio Brogi

Full Professor

antonio.brogi@unipi.it

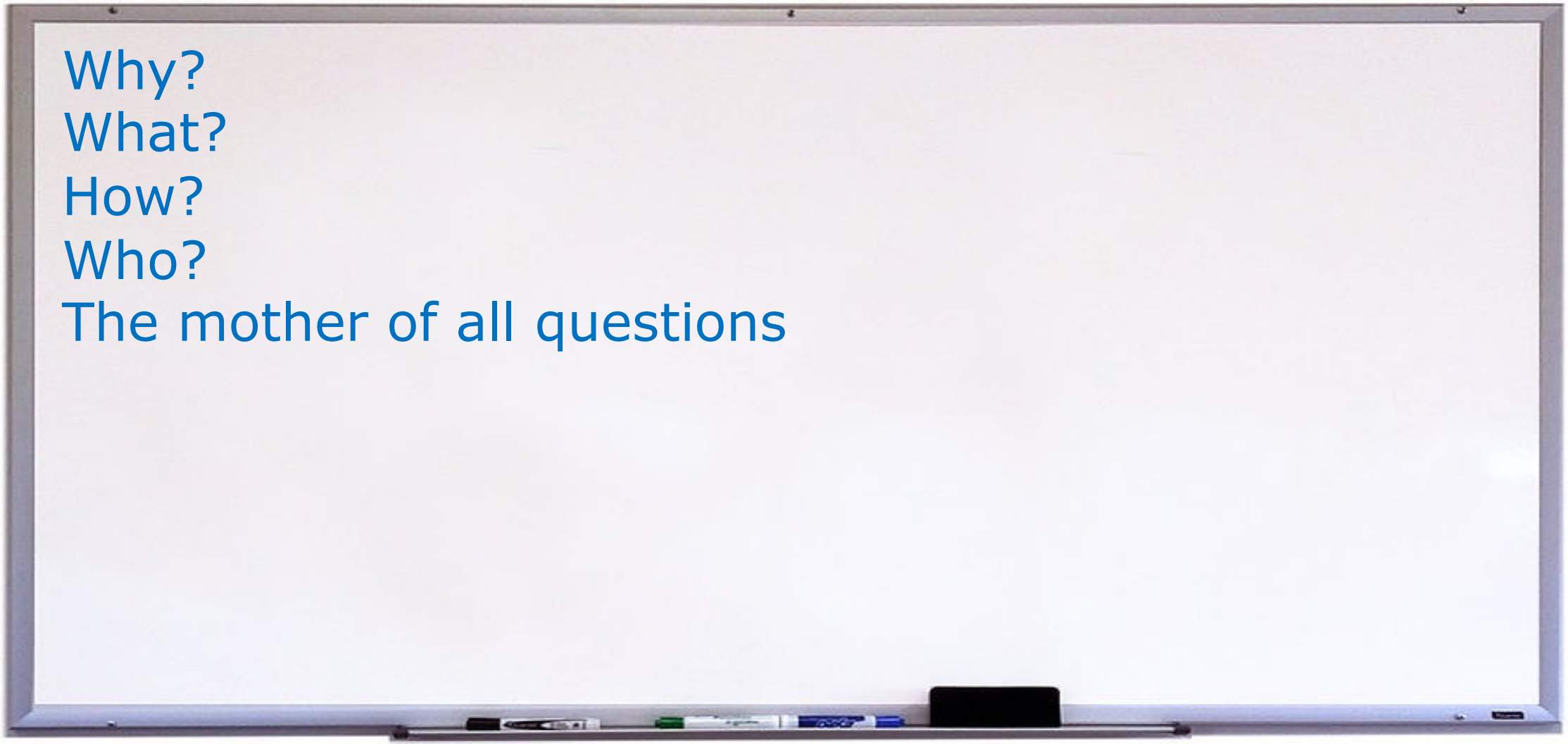
Stefano Forti

Assistant Professor

stefano.forti@unipi.it

Marco Gaglianese
Teaching Assistant

Jacopo Massa
Teaching Assistant


Why?
What?
How?
Who?
The mother of all questions

Where Do We Come From? What Are We? Where Are We Going?
[P. Gauguin]

Ah, ehm … actually … how can we get the credits?

How to get the credits

The exam consists of two parts

1. A hands-on pass/fail test on the technologies used in the labs

followed by

2. Questions on the topics of syllabus

Continuous assessment *(optional)*

The continuous assessment will consist of in-class tests during the term.

For students that will profitably participate in the continuous assessment:

- *The evaluation will be 1/3 from the continuous assessment activities and 2/3 from the questions on the syllabus during the exam*
- *The questions on the syllabus during the exam will be taken from a list that will be published at the end of the course*

Exam dates

5 exam dates

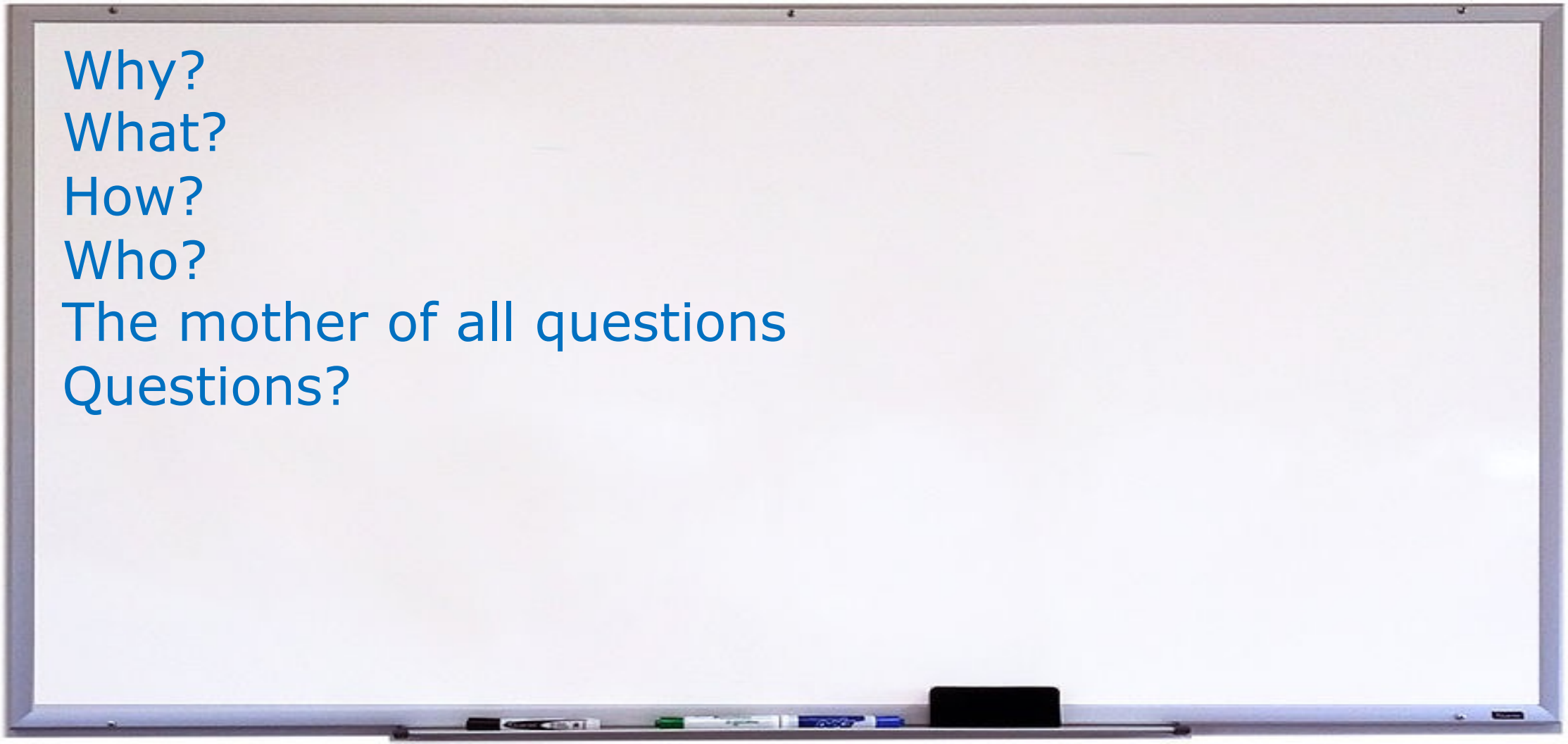
- 2 in January-February
- 2 in June-July
- 1 in September

+

2 “extraordinary” exam dates (only for some categories of students)

- 1 in October-November
- 1 in March-April

Recall that to participate in the exams
you MUST register on esami.unipi.it
by the set deadlines


Why?
What?
How?
Who?
The mother of all questions
Questions?