PS5 - Semester 5 Project

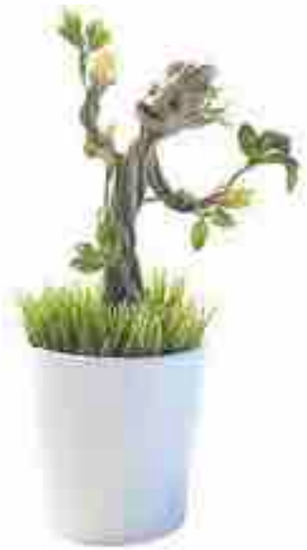
https://wiki.unice.fr/display/~collet/Projets+de+semestre+5++-+SI3+-+2017-18

Ph. Collet (with most of slides from S. Mosser)

Lecture #0, 13.09.2017

pictures: sxc.hu, piixabay

Do you remember?



Slicing

Domain Driven

Code-test-build

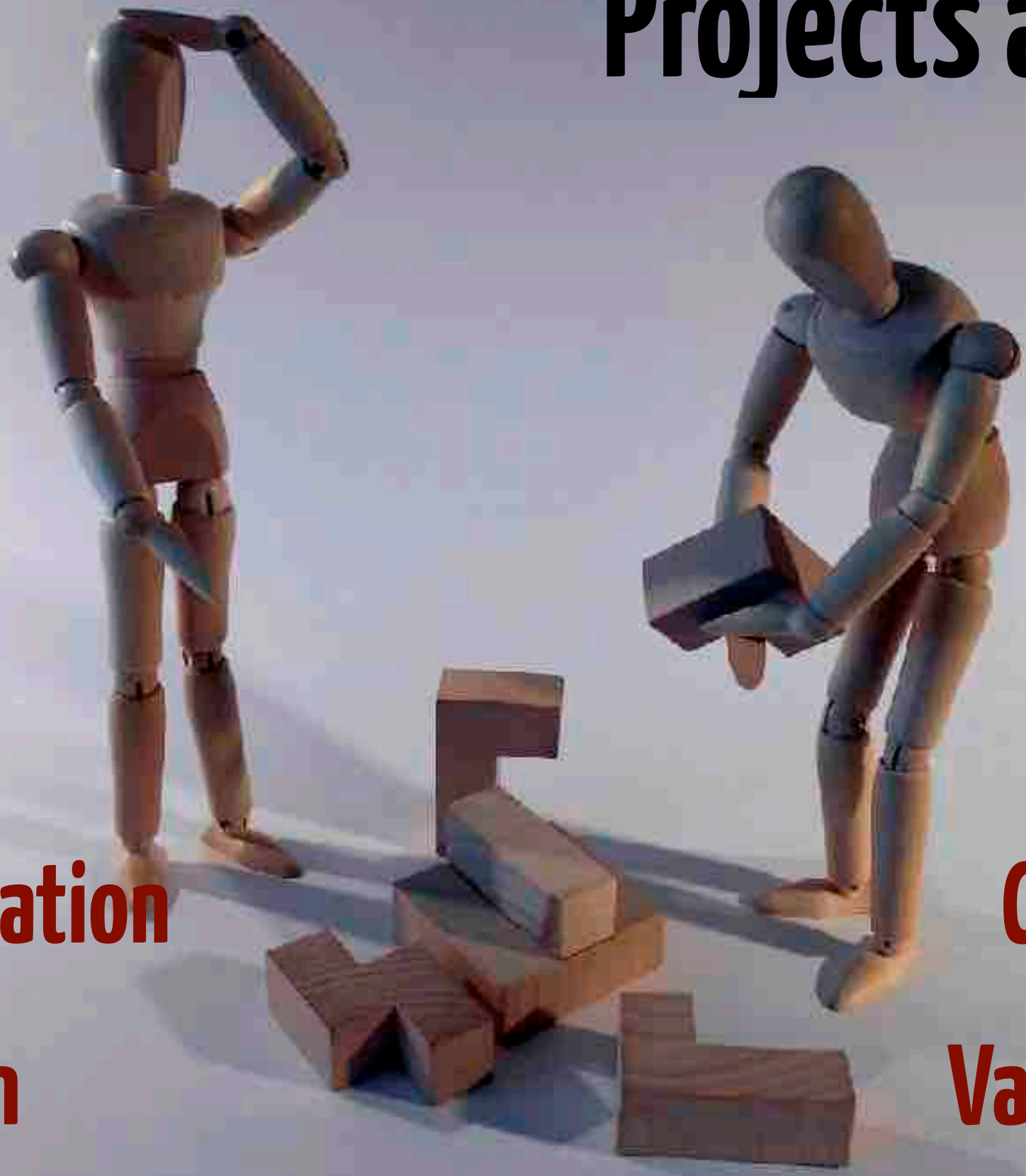
fixed, predefined

Scope

Your Cost Time fixed

implication

Projects are hard



Communication

Coordination

Motivation

Valuable Skills

Software projects are harder

Scoping

Prioritization

Confidence

Maintenance

«Maybe the problem is not that it's so **hard** to write **good software**, ...

... but that it's so

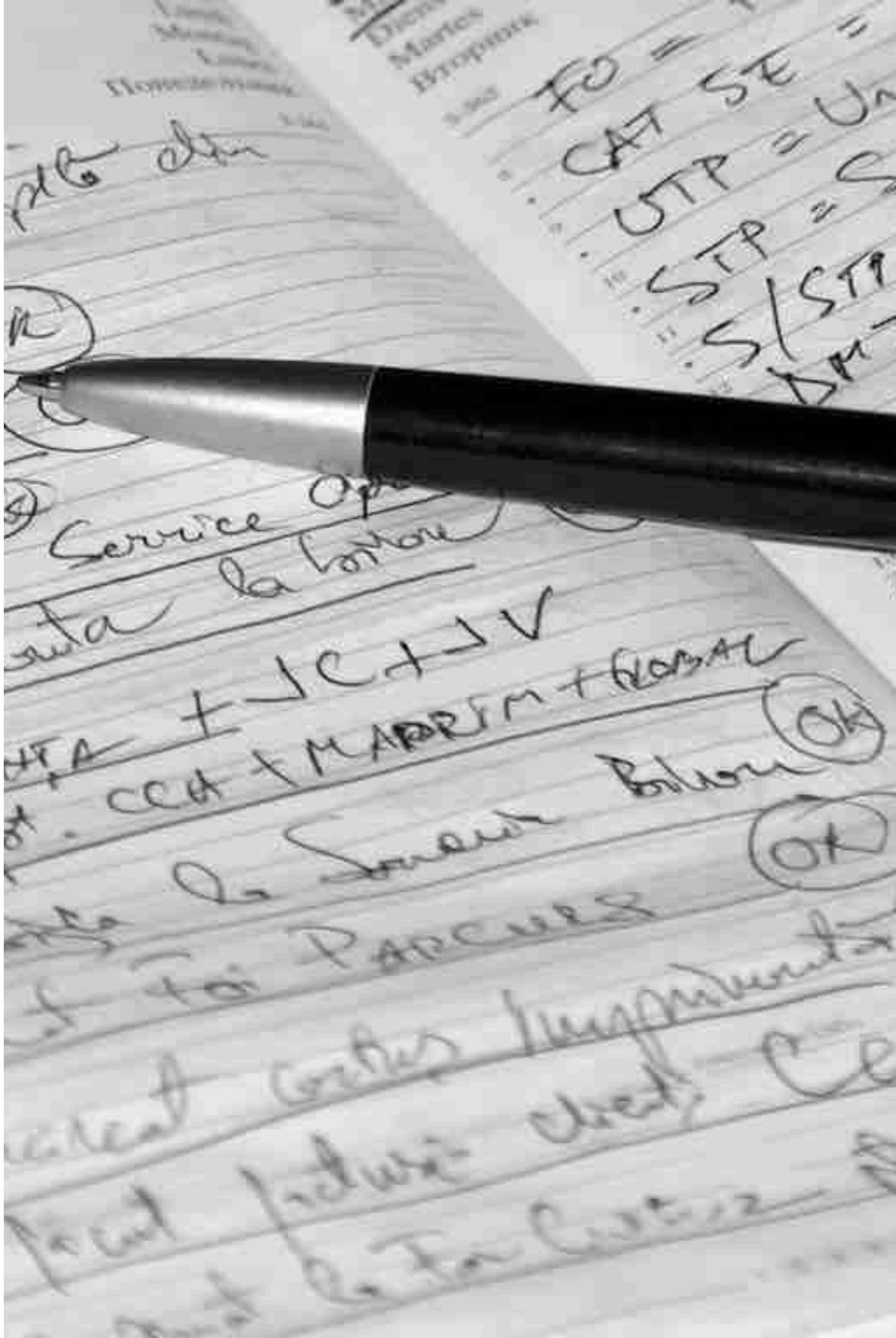
easy to write crap.»

Course Objective

Developing **software** in a **professional** and **efficient** way.

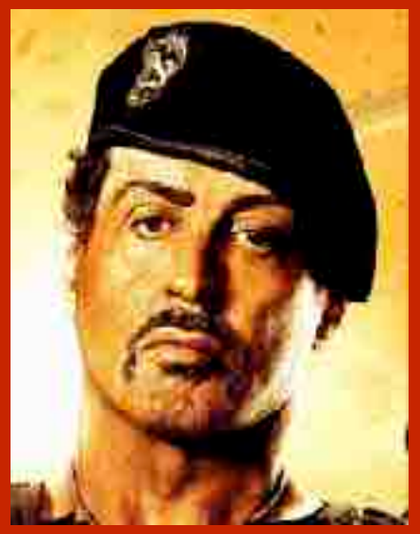
Course Contents

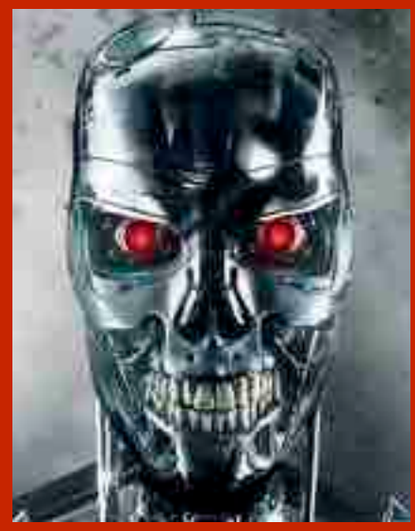
Software life cycle
Requirements
Code Versioning
Automated Build
Test-driven Development



Modus Operandi

- **Lectures (1 or 2 hours / week)**
  - Describe Methods and Tools for Software Engineering
  - External presentations (Industrial Partners, former students)
- **Software Development Project** (2 hours lab session / week + personal work)
  - Group work: 3 or 4 students / group
- Attendance is mandatory (rules and regulations applied by Polytech)





Evaluation

Facilitation

Contract

- Students:
  - **No computer** during lectures
  - **Be on time** (lectures, labs)
  - Project **involvement**
  - **Prepare** when asked for
- Teaching staff:
  - One-week latency feedback
  - Availability (email, meeting)

Watch out

- No Sesame @UNS ⇒
- Not known on any evaluation platform ⇒
- No evaluation ⇒

0

Project Timeline: Kata

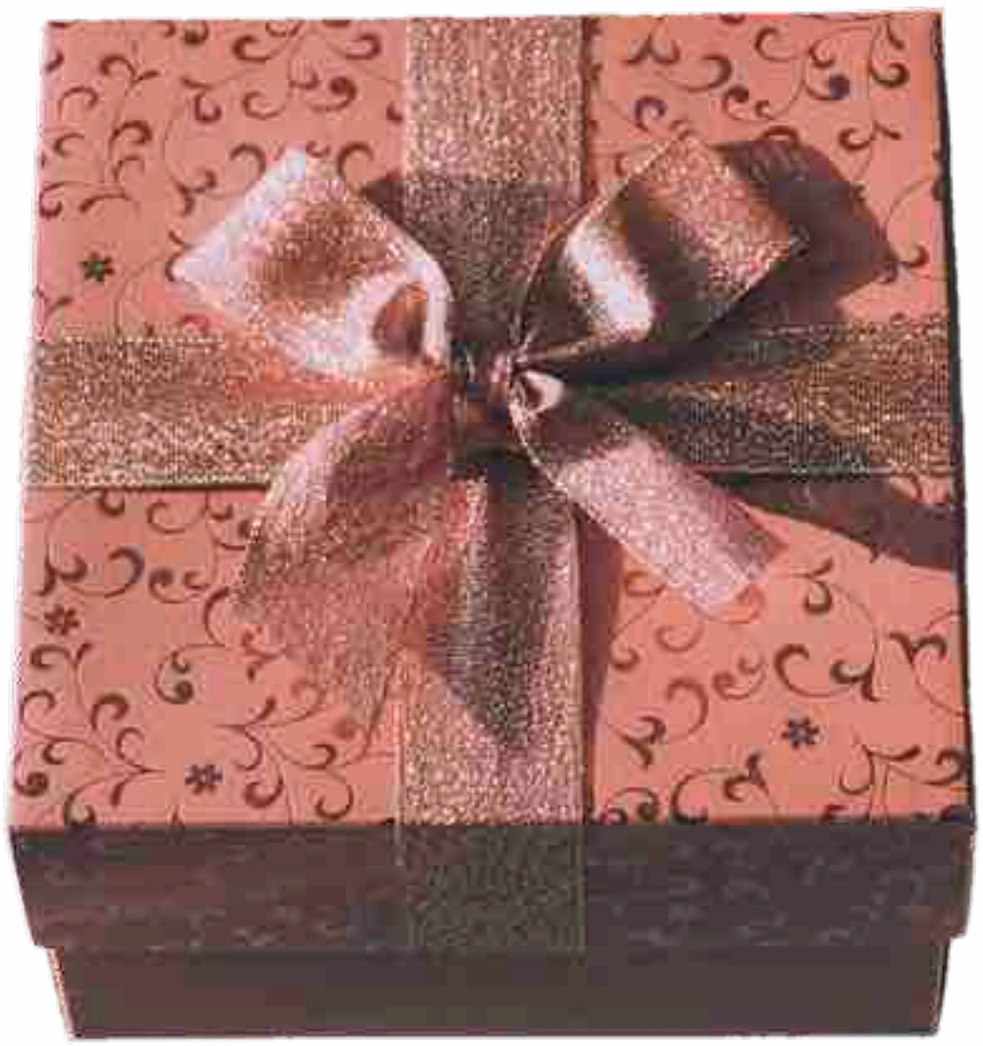
- S37 : slice the project
- S38 : deliver the sliced specification / start to code, version your code, keep the slicing log up-to-date
- S39 : code is on the git / test and code, nothing is released if not correct and if you’re not confident enough in what you release
- S40 : test and code on the git / make it buildable anywhere, prepare the final release
- S41 : buildable test/code on the git / defense (and start of next project)
- Evaluation : tasks + versioning + tests + defense

Project Timeline: Main Project

- Main project
  - S41 : project description is available
  - S42 to S50 : lab coaching
  - Evaluation : lab discussion + tasks + versioning + tests + minimal code quality + defense

Project Timeline: 1 week full-time project

- 1 week
- Full time



Evaluation: Continuous Assessment

- **The evaluation process is mainly individual**

Continuous assessment

  - Implication in the source code development (e.g., handled tasks, commits)
  - Test coverage, code quality

No versioning ⇒ 0

No testing ⇒ < 10

No versioning ⇒ 0

No testing ⇒ < 10