

IN5140

Smart processes and agile methods in Software Engineering

Group session 5

Agenda

First hour:

- Quick progress overview
- Weekly exercises

Second hour:

- Weekly exercises

Project milestones throughout IN5140

What	Due date	% of total score
Deliverable 1 – Process Model	21th of September, 23:59	passed/not passed
Project Presentations on Zoom	October (dates TBA)	-
Deliverable 2 – Project Report	9th of November, 23:59	30

- Your project group will get a shared score
- Submit deliverables here (PDF): <https://devilry.ifn.uio.no/>

Project milestones throughout IN5140

What	Due date	% of total score
Deliverable 1 – Process Model	21th of September, 23:59	passed/not passed
Project Presentations on Zoom	October (dates TBA)	-
Deliverable 2 – Project Report	9th of November, 23:59	30



- Feedback within 2-3 weeks
- Next up: Project Presentations (more info coming)

Weekly exercises 5

Exercise 3

Discuss and describe the following overall lean principles:

- Satisfying the customer
- Flow
- Visualization
- Avoiding waste
- Supporting changes

Exercise 4

Meyer, in the book, presents three agile technical principles that relate to testing. Why do you think that testing is emphasized that much?

Exercise 4

“The most concrete manifestation of the agile emphasis on **quality** is to regard the integrity of what has been produced as more important than the addition of new elements: quality trumps functionality” *p. 76*

“The search for software quality is at the heart of software engineering” *p. 75*

“When writing the test, you are forced to think about the usage scenario for the new feature” *lecture 22.09 s. 58*

Tests should not be delayed

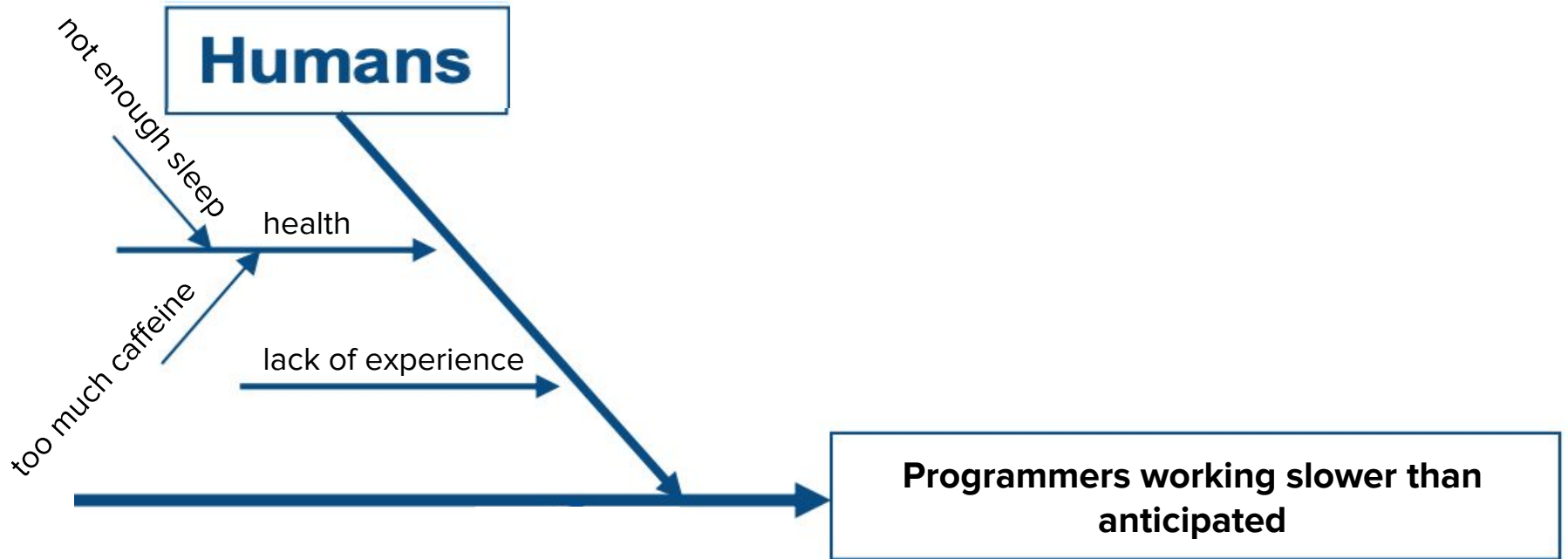
15 minute ☕ break

Fishbone diagram

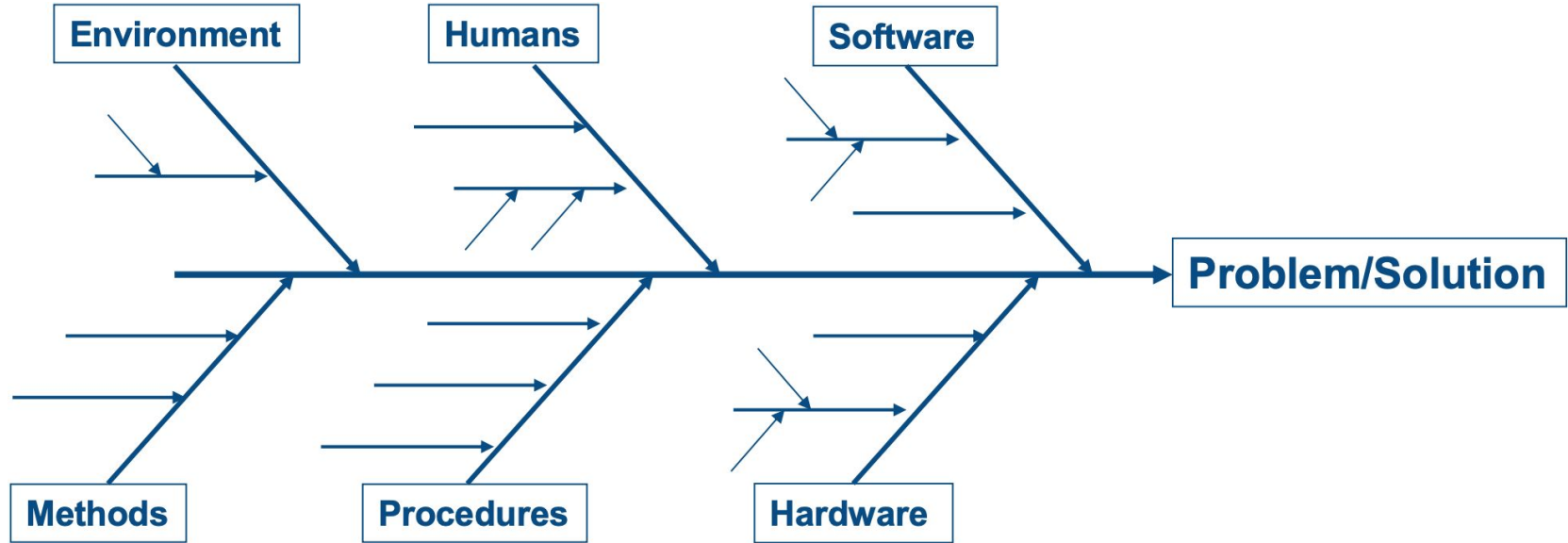
Also called Ishikawa diagram...

- A technique for root cause analysis
- Indicates relationship between effects and their possible causes

Fishbone diagram



Fishbone diagram



Exercise 3

Continuous improvement of processes is important in both agile and Lean.

- Do you evaluate your process (the way you work) in your IN5140 project regularly?
 - If yes, how do you perform the evaluation?
 - If no, how could you start doing it?
- Identify one problem in your project and draw a fishbone diagram to identify possible causes for the problem.
- Identify one thing that works well in your project and draw a fishbone diagram to identify possible causes for the success.

Thank you for today!