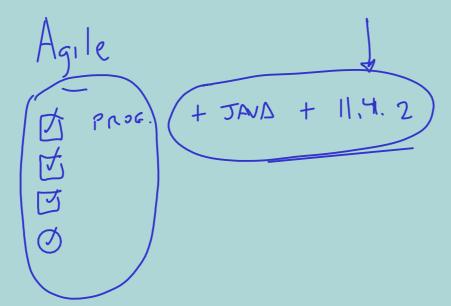
## **Plan for Today**

• Software engineering intro

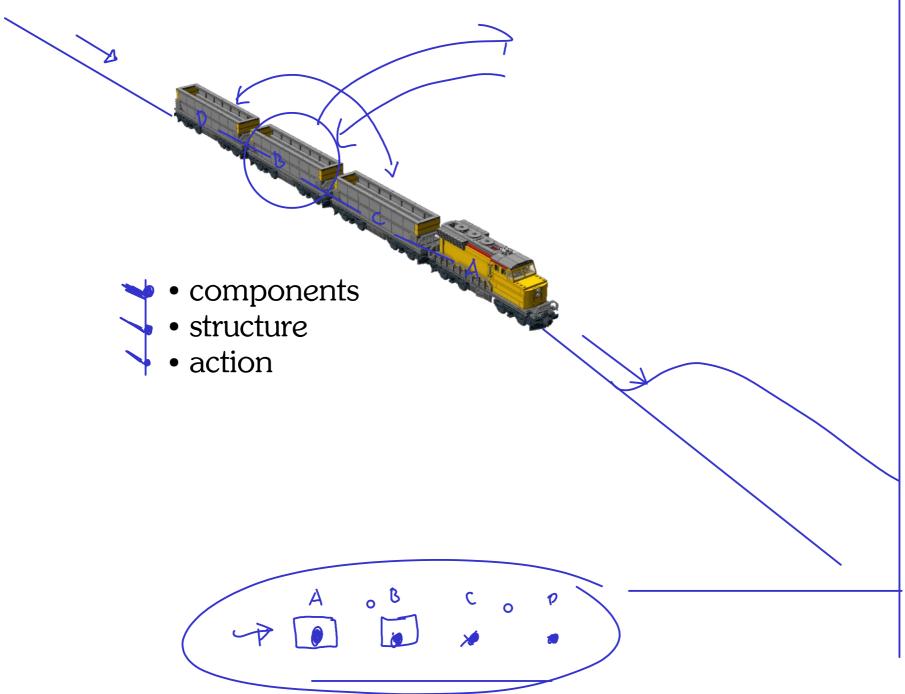


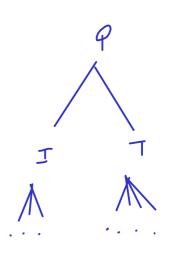
Development models



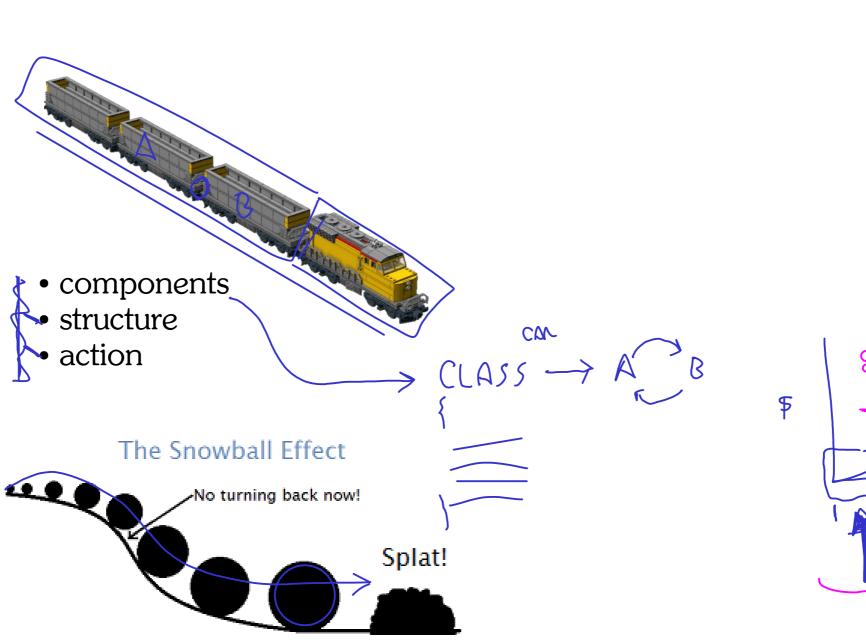
Lecture 3 – 25 September

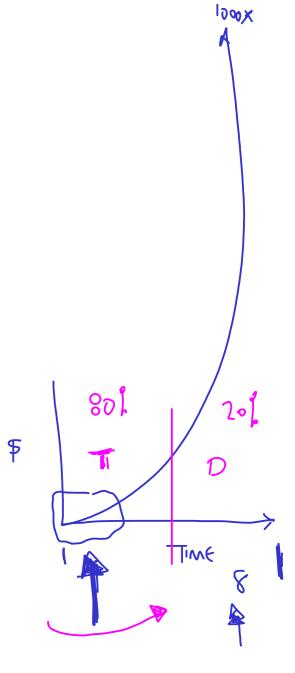
## **Software Development**

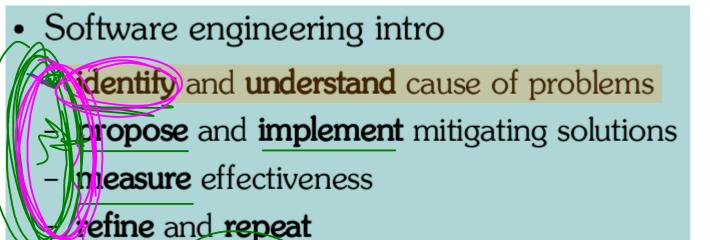




## Software Development







Our reality

software engineering: we don't understand engineering

**Thoughts** 

**Problem Solving** 

**Creative Process** 

Concepts

Ideation

we don't understand science computer science:

field that builds:

we don't know how to build

we don't know how things are built or why

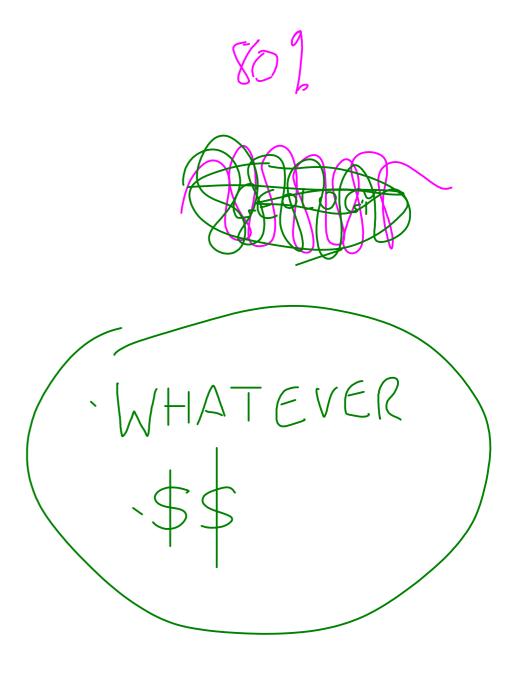
Expression

Ingenuity

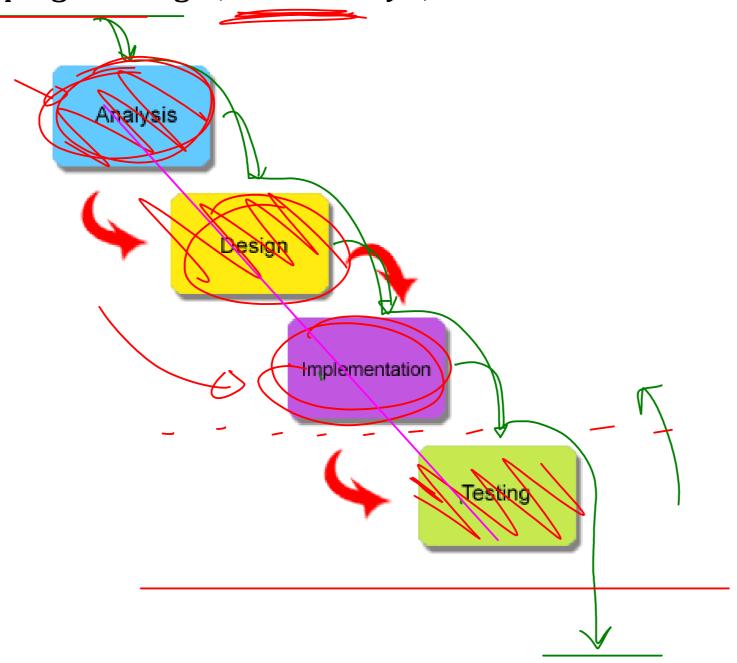
**Brainstorming** 

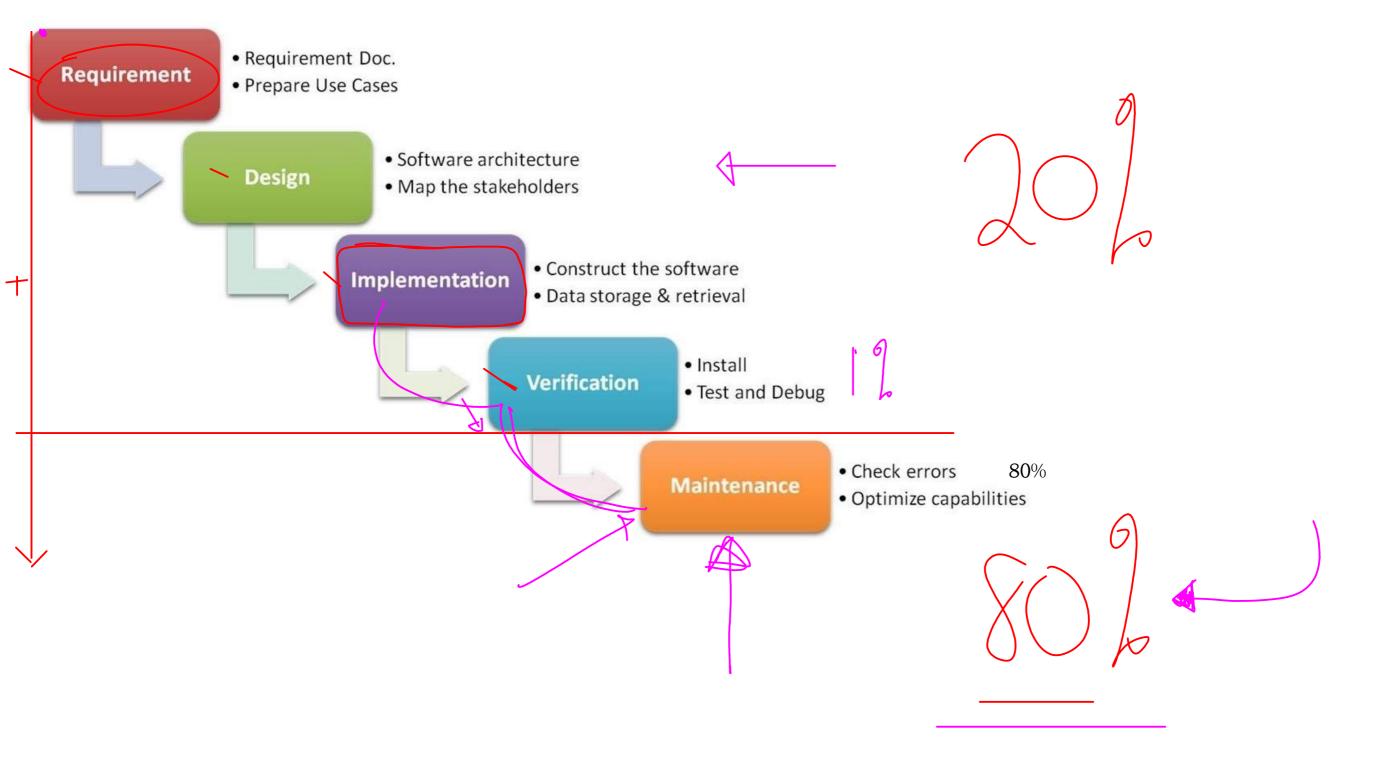
ACTIVE

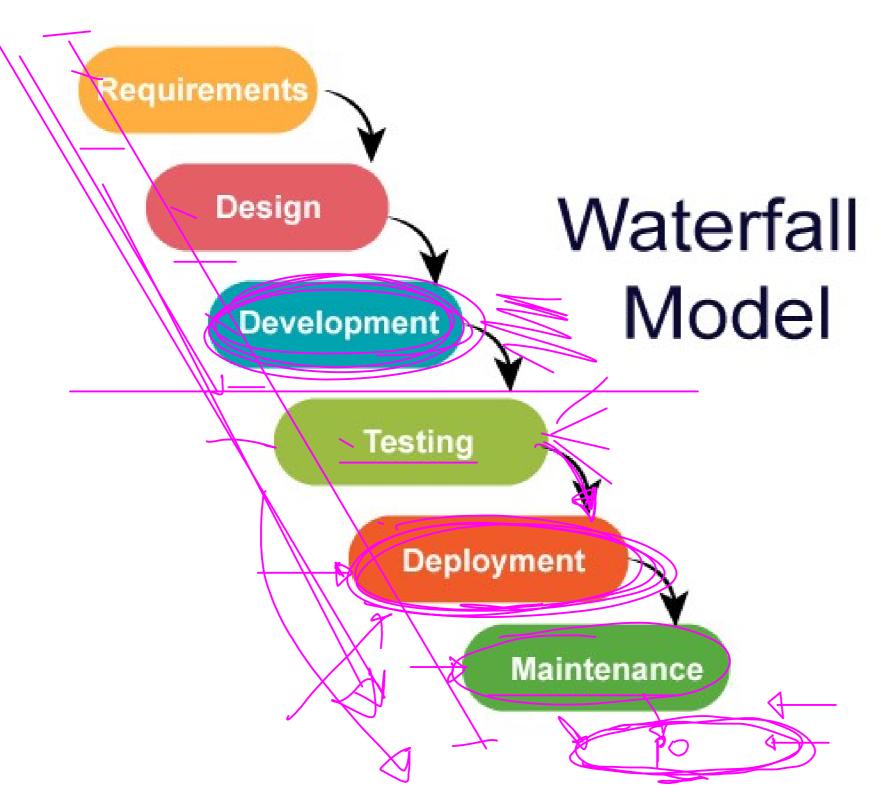
Invention Doing Action **Implementation** Enable Useful Change **Product** New Measurable



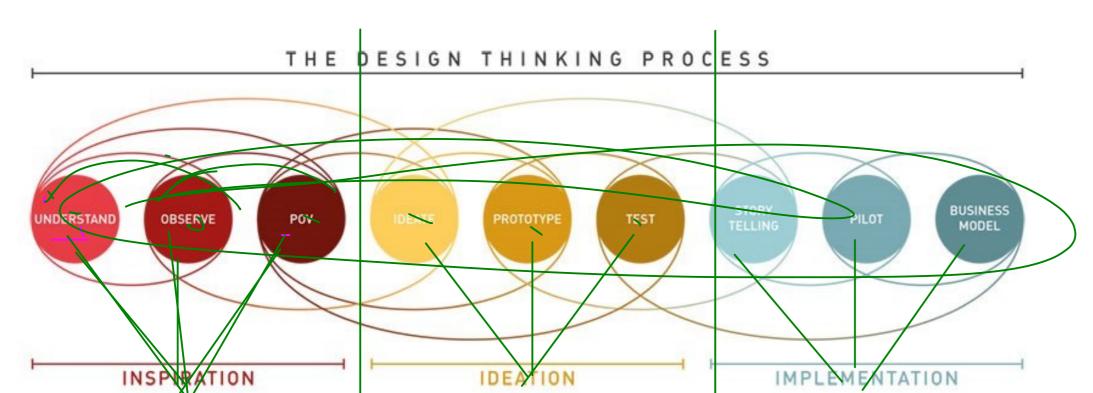
"Computer programming" (210/211 style)

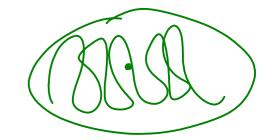












(read) understand  $\Rightarrow$  plan  $\Rightarrow$  execute  $\Rightarrow$  verify  $\Rightarrow$  reflect

32