

# Softwaretechnik II

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## Topic 2

### Exercises Software Process Models

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1. Discuss the following statement in the context of the RUP
  - inception = requirements
  - elaboration = architecture and design
  - construction = implementation
  
2. Discuss the pros and cons of the following iterations lengths –
  - 5 days
  - 4 weeks
  - 6 months
  - 2 years

➔ and briefly justify which you would prefer for an iterative and incremental project of four years.
  
3. What does timeboxing mean?

1. Come up with a reasonable (but simple) **project plan** for a small development project of about 5 months
  - a) following a classical **waterfall approach**
  - b) in an **interactive and incremental style**

Please focus on the **Activities** and the **Deliverables**

- and pay special attention to the **amount of requirements** that is elaborated and roughly **how much code is roughly implemented** at the end of each phase or iteration

1. The lecture has presented numerous presumed advantages for iterative and incremental process models, however, it is likely that there are drawbacks, too.

Hence, please name and discuss at least two potential drawbacks of I&I development methods.

# Let's get Technical

- ... and create a first overview of technical (UML) models that can be used for systematic **agile software modeling**
  - bringing together I&I as well as agile development
    - and modelling
  - mainly based upon –
    - RUP
    - [Larman]
    - [Ambler]