

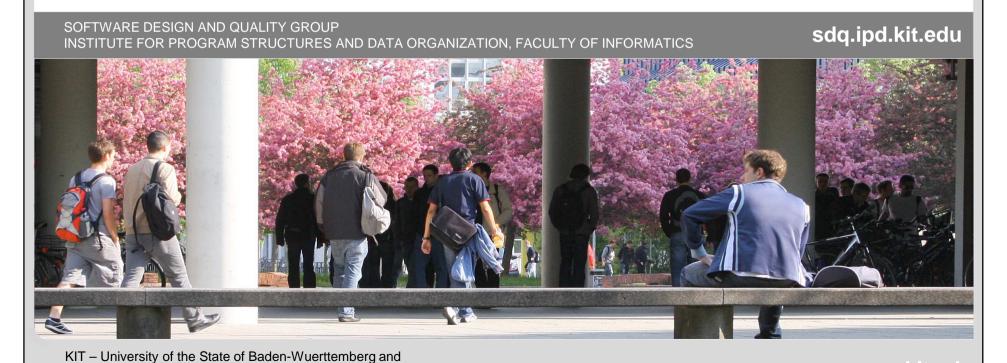
Softwaretechnik II

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Topic 2

Exercises Software Process Models

National Research Center of the Helmholtz Association



Understanding Process Models



- 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?

Project Planning



- 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 interative 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

Discussion



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]