

Software Engineering - Lecture 14

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Introduction to agile methods

Agile methods became popular in the beginning of the 2000s. This is because the market was very competitive, therefore software teams rethought the software processes. Their aim was to deliver quality products within specific deadlines and with a reduced cost.

One might spend a lot of time in the requirements phase but after a period they may change or become unsuitable.

Agile methodology

- Incremental and iterative
- Frequent early release
- Streamlined
- Time-boxed
- Collaborative

The main features of agile methods are:

- There is no need for a detailed specification of the system
- Design and documentation are minimised
- Specification, design and implementation are parallel processes
- System developed incrementally in versions or releases
- Customers are heavily involved in the specification and testing
- Increments are short (2 - 4 weeks)
- Documentation is minimised

Scrum

See lecture notes