SOFTWARE ENGINEERING

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MVK13

THE SCHEDULE

MVK13 - THE SCHEDULE

Tue	Dec 3	15-17	D1	Lecture: Reqs and Specs
				GL: Successful projects
				Thomas Sjöholm, Bream IO
Thu	Dec 5	8-10	D1	GL: Development strategies and goals
				Ulf Bergqvist, Nordforce
Tue	Dec 10	10-12	E1	GL: Successful projects
				Fredrik Niemelä, Scrool
				GL: Gather data
				Chris Peters, KTH
Thu	Dec 12	10-12	E1	GL: Needs, stakeholder analysis, and scenarios Ingemar Wrangel, ab1
Thu	Dec 19	10-12	TBD	Presentation of reqs and project status + deliverable

MVK13

REQS & SPECS

MVK13 - REQS & SPECS

Requirements

A list of the functions that need to be there – this is what should work – often provided by the client

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Specifications

Reqs transformed into implentable functions – this is how to build it

MVK13 – REQS & SPECS – AN ALTERNATIVE

Recommendations

The stake holder's wishes and expectations

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MVK13 – REQS & SPECS – THE ILLUSION

• There is an illusion of the good requirements

They are supposed to be:

- Necessary
- Unambiguous
- Consistent
- Complete
- Verifiable (often through tests)

MVK13 – REQS & SPECS – THE ILLUSION

• Why is this an illusion?

- Wrong people contribute with requirements
- There's no limit (quite the opposite...)
- The analysis is misleading wrong priorities, wrong technology, too little data, unnecessary compromises, etc etc etc
- The situation always changes new knowledge, new technology, organisational changes, etc etc etc

– ...

MVK13 - REQS & SPECS

· So, then what?

- Do a stake holder analysis which parties are affected by your system?
- Have "the right" stake holder provide the relevant reqs
- Limit the reqs, demand and provide a motivation for each
- Communicate with your client via user stories/use cases/scenarios a scenario can hold hundreds of reqs and makes specifications easier to formulate
- Propose: "- Is this what you mean?", document results
- Early prototypes, many prototypes
- Iterate, plan for changes

MVK13 - REQS & SPECS

Recommended reading



GL:

SUCCESSFUL PROJECTS

THOMAS SJÖHOLM BREAM IO THSJ@KTH.SE MVK13

NEXT TIME

MVK13 – NEXT TIME

Thursday Dec 5, 8-10 D1

Development Strategies and Goals

- GL Ulf Bergqvist, Nordforce

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