SOFTWARE ENGINEERING

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MVK13

KTH INNOVATION &
STUDENT INC
SASAN SHABA

MVK13 – WHERE ARE WE?

• We've moved to a new place on Social:

https://www.kth.se/social/course/DD143X/

"Our" events are labeled [MVK13]

MVK13

THE SCHEDULE

MVK13 – THE SCHEDULE

Tue	Jan 28	8-10	D2	Kick-off
Tue	Feb 11	8-10	D2	Code quality and testing
				GL: Gustav Taxén, Propellerhead
Thu	Feb 13	17-19	TBD	*Presentation of draft 3*
Tue	Feb 25	10-12	D2	**Documentation, training & tutorials**
Tue	April 8	10-12	TBD	***Presentation of draft 4***
Tue	April 29	10-12	D2	**How to wrap-up**
Tue	May 6	10-12	D2	**Back-up**
Fri	May 16	13-18	E1	**Public presentation**

--- Fri May 23 23.59   Final report and other documentation   ---

MVK13

WHAT TO WORK ON…

MVK13 – THE DOCUMENTATION

• **High level ToC**

- **What's the project about?**

- **Goals**

- **Project group description and roles**

- **Prerequisites (external)**

- **Implementation (incl development model motivation)**

- **Planning: activities, tasks, dependencies, times, milestones, …**

- **Research**

- **Needs, scenarios, reqs**

- **Technology/architecture/data model**

- **Risk analysis**

- **Documentation and deliverables**

- **Tutorials and training**

- **References**

- **Appendices**

MVK13 – THE DOCUMENTATION

• **High level ToC**

Introduction
- **What's the project about?**
- **Goals**

Planning and implementation
- **Project group description and roles**
- **Prerequisites (external)**
- **Implementation (incl development model motivation)**
- **Planning: activities, tasks, dependencies, times, milestones, …**

Background
- **Research**
- **Needs, scenarios, reqs**

Execution
- **Technology/architecture/data model**
- **Risk analysis**

Delivered results
- **Documentation and deliverables**
- **Tutorials and training**

- **References**
- **Appendices**

MVK13 – THE DOCUMENTATION

• **High level ToC**

Introduction
- What's the project about?
- Goals

- Version
- Change log

Planning and implementation
- Project group description and roles
- Prerequisites (external)
- Implementation (incl development model motivation)
- Planning: activities, tasks, dependencies, times, milestones, …

Background
- Research
- Needs, scenarios, reqs

Execution
- Technology/architecture/data model
- Risk analysis

Delivered results
- Documentation and deliverables
- Tutorials and training

- References
- Appendices

MVK13 – THE DELIVERABLE

• **What I expect:**

- Overall updates and more defined formulations –

You always learn new things that affect the project. Document it!

- A section on implementation – how are you addressing the problem and how are you working? –

You are now on your way. What decicions have you made? Do you have sufficient validation?

- A comprehensive summary of what you've researched and what you've learned –

You never, during the course of the project, stop doing research. What have you learnt? What's an efficient way of presenting that? Reference (internal and external)!

MVK13 – THE DELIVERABLE

• **What I expect:**

- Overall updates and more defined formulations –

You always learn new things that affect the project. Document it!

- A section on implementation – how are you addressing the problem and how are you working? –

You are no In almost all cases, this *ns have you made? Do* section is too limited *n?*

- A compreh and many of you just *e researched and* what you've occasionally use it in

You never, your argument. It's *ject, stop doing research. V* about credibility! *s an efficient way of presenting that? Reference (internal and external)!*

MVK13 – THE DELIVERABLE

• **What I expect:**

- Description of the technology, the architecture and/or the data model –

This need to be a lot more fleshed out now. Bring in sufficient detail and links to source material and –activities

- Formulated scenarios (or similar) and validated reqs

This should be nailed by now, including the derived and motivated reqs. Make sure you've collected feedback on everything from the client (and perhaps other stake holders) and updated accordingly.

MVK13 – THE DELIVERABLE

• **What I expect:**

Many good attempts, but try and be more exhaustive. What are good ways of representing your system, the functions and dependencies?

- Description of the technology, the architecture

This need to be a lot more fleshed out now. Bring in sufficient detail and links to source material and –activities

- Formulated scenarios (or similar) and validated reqs

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MVK13 – THE DELIVERABLE

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MVK13 – THE DELIVERABLE

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and/or the data model –

re fleshed out now. Bring in
s to source material and –activities

Many have good and
illuminating *scenarios*,
but in most cases, the
requirements are too
high level and the
validation is unclear.
Also, how do you check
that it's fulfilled?

r similar) and validated reqs

y now, including the derived and
re you've collected feedback on
t (and perhaps other stake
cordingly.

MVK13 – THE DELIVERABLE

• **What I expect:**

- Updated planning – particularly new activities and the
respective tasks, new milestones, … –

**As you move closer to the deadline, you need to be more
careful with your management of the resources. Define
the milestones carefully and make sure you check
fulfillment. You should be able to define some new tasks
(e.g. testing, help & support etc). Open up other new
areas only if you have to.**

- Updated risk analysis -

**Apart from the "global" risks, you should now have been
able to lower the probability and/or impact on several of
the risks. If there still exists risks that are "your own",
prioritize to lower them.**

MVK13 – THE DELIVERABLE

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- Updated planning – particularly new activities and the respective tasks, new milestones, … –

As you [This is something that most have done a good job with!] **you need to be more careful w.** **resources. Define the miles.** **re you check fulfillme.** **ne some new tasks (e.g. testing, help & support etc). Open up other new areas only if you have to.**

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MVK13 – THE DELIVERABLE

• **What I expect:**

- Documentation and deliverables –

Initial attempt at formulating what the expected and agreed results are? What does the final delivery include?

- Tutorials and training –

Initial thoughts on how to address the potential training needs? Help (contextual or not)? Support? User's guide? etc

MVK13 – THE DELIVERABLE

• **What I expect:**

    - Docun[...] This was introduced [...]he expected and

Initial a quite close to the

agreed deliverable deadline, inal delivery include?

    - Tutori[a] but I hope you've

Initial t[...] addressed it now?! he potential training

needs? Help (contextual or not)? Support? User's guide? etc

MVK13 – THE DELIVERABLE

• Questions?

MVK13 – SUCCESS CRITERIA

High level:

• **Well planned and executed project (internal and external goals met)**

• **Well motivated choices (grounded, researched and referenced)**

• **A well-adapted development model**

• **A functional software (on the agreed level)**

• **Well-communicated results (deliverables and presentations)**

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NEXT TIME

MVK13 – NEXT TIME

Thursday April 8, 10-12

TBD

Presentation of *Draft 4*

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