### SOFTWARE ENGINEERING

BJÖRN THURESSON KTH/HPCVIZ THURE@KTH.SE

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

- Project group description and roles

Planning and implementation

- Prerequisites (external)
- Implementation (incl development model motivation)
- Planning: activities, tasks, dependencies, times, milestones, ...

- Research Background -

- Needs, scenarios, reqs

- Technology/architecture/data model

- Risk analysis

**Delivered results** 

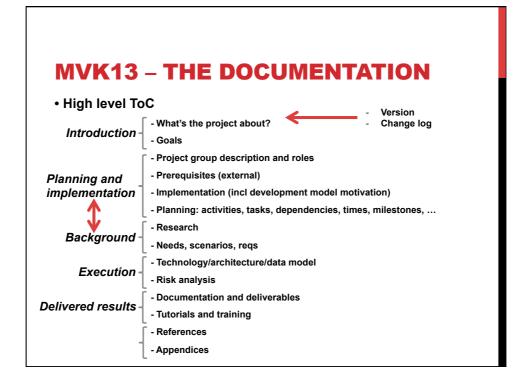
Execution

- Documentation and deliverables

- Tutorials and training

- References

- Appendices



- 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)!

- · 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 ons have you made? Do section is too limited n?

- A compret and many of you just re researched and what you've occasionally use it in

You never, your argument. It's ject, stop doing research. I 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.

• What I expect:

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

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- What I expect:
  - Description of the technology, the architecture and/or the data model –

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?

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

similar) and validated reqs

now, including the derived and re you've collected feedback on a (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.

#### • What I expect:

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

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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

- What I expect:
  - Docun This was introduced Initial a quite close to the agreed deliverable deadline,

ne expected and inal delivery include?

- Tutoria but I hope you've Initial ti

Initial ti 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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