SOFTWARE ENGINEERING

WELCOME TO MVK13
12 NOVEMBER
BJÖRN THURESSON, KTH/HPCVIZ
TURE@KTH.SE

MVK13

LAYOUT
MVK13 – LAYOUT

- "Best practice" in software engineering
- Lectures and guest lectures
- Active participation in project work
- Feedback sessions
- Communicate and document

- Two courses, back to back, DD1365 (period 2) + DD143X (period 3-4), i.e. 6 + 9 = 15hp

THE PROJECTS
MVK13 – THE PROJECTS

• I collect proposals from industry, organisations and academia

• Different types and dimensions:
  – Explorative/well-defined
  – Commercial/non-profit
  – Low-level/high-level
  – ...

• Have a look at last year’s project catalog for a sample:

• This year’s catalog will be available on Thursday Nov 14

MVK13

THE SCHEDULE
# MVK13 – THE SCHEDULE

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<thead>
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<th>Room</th>
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<th>Description</th>
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<td>Nov 12</td>
<td>15-17</td>
<td>E1</td>
<td>Intro and logistics</td>
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<td>Thu</td>
<td>Nov 14</td>
<td>13-15</td>
<td>D1</td>
<td>Group formation finalised</td>
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<td>GL Ulf Bergqvist, Nordforce</td>
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<td>Tue</td>
<td>Nov 19</td>
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<td>Presentation of proposals</td>
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<td>Fri</td>
<td>Nov 22</td>
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<td>F2</td>
<td>Project assignment ready, group work</td>
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<td>Thu</td>
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<td>15-17</td>
<td>TBD</td>
<td>Presentation of planning + deliverable</td>
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<td>Fri</td>
<td>Nov 29</td>
<td>15-17</td>
<td>D1</td>
<td>Development models</td>
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<td>GL John Mccarthy, Ericsson</td>
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<td>Tue</td>
<td>Dec 3</td>
<td>15-17</td>
<td>D1</td>
<td>Reqs and recommendations</td>
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<td>Thu</td>
<td>Dec 5</td>
<td>8-10</td>
<td>D1</td>
<td>Development strategies and goals</td>
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<td>Tue</td>
<td>Dec 10</td>
<td>10-12</td>
<td>E1</td>
<td>Environmental scanning, competitor analysis, and research</td>
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<td>Dec</td>
<td>Dec 12</td>
<td>10-12</td>
<td>E1</td>
<td>Documentation, communication and feedback</td>
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<tr>
<td>Thu</td>
<td>Dec 19</td>
<td>10-12</td>
<td>TBD</td>
<td>Presentation of reqs and project status + deliverable</td>
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### DELIVERABLES

- **MVK13**
MVK13 – DELIVERABLES

• A series of drafts
  • Planning and implementation
  • Description and motivation, reqs and specs
  • Software architecture
  • Final report (all of the above)

Deadlines before Christmas:
Thu Nov 28  Initial planning
Thu Dec 19  Description and motivation, reqs and specs, initial software architecture

SUCCESS CRITERIA
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)

I’ll go through the detailed criteria for each step later (not today)
MVK13 – PROJECT GROUPS

• Most of the work will take place in the groups
• Groups of 8-10 participants
• There’s a cap of 16 projects that will be started
• All project groups should be formed on Thursday Nov 14!
• All groups will get a supervisor – make use of him/her!
• Several feedback sessions – you present, we comment

Formation:
• Come to me after class today and sign up your project group
  or
• Send me an e-mail (thur@kth.se) with your group members and group name
• Not in a group? Make yourself known now, if that doesn’t work we assign you in class on Thursday
MVK13 – FINAL POINTERS

• Don’t forget to register for the course
• I’ll use the KTH Social site for all communication and documentation https://www.kth.se/social/course/DD1365/
MVK13 – FINAL POINTERS

• When you discuss the different project proposal, formulate to yourselves: *What do you want to get out of the course?*
• In the real world outside, it's all about being able to *show* your skills – *build your portfolio* of documented skills
• Anyone (almost) can get a grade, it doesn't say much of your abilities – the *project shows your abilities*, use it!
• Keep track of what you (as an individual) contribute with, what's *your contribution*?
MVK13 – NEXT TIME

Thu Nov 14, 13-15
D1

– Group formation finalised
– Project management

GL Ulf Bergqvist
Nordforce

SOFTWARE ENGINEERING