Report Writing

Datamatiker /Computer Science

2nd Semester

Spring 2017

Report hand-in's

- **Part 1 System Development**
  - Hand-in May 29th on Wiseflow

- **Part 2 Business**
  - Hand-in April 30th on Wiseflow

Content and Objectives

- Report – Part 1
  - *Must document*
    - Final product
    - The process
    - Max 60 pages * (1 normal page = 2400 characters)
  - *Program*

- Report – Part 2 (business topics)
  - Collaboration with service economist students
  - Could be written as log describing deliverables for each day
  - * 5-10 pages

Report Objectives

- Part of examination
- Document **the product**
  - Business value (why develop the system)
  - Implementation of system (for maintainance)
  - Rationale behind central decisions
- Document **the process**
  - Project establishment and organization
  - Plan
  - Proces
  - Reflections

In agile this is done many times (iterations)

From assigment description deliveries 1/2

- Business Case (Vision and Goal for the IT-system, Traceability model, Activity diagram and Domain Model)
- Product Backlog (User Stories)
- Architecture Model (high level design)
- Design Class Diagram (DCD)
- Sequence Diagram(s) (SD's) covering min. one core or complex scenario
- Description of the qualities of your design (coupling, cohesion, the use of patterns etc.)
- E/R diagram - including assessment of compliance with normal forms
- Relational Schema - including assessment of compliance with normal forms
- Description of the most complex parts of the code
- Descriptions of complex or core SQL queries and updates
- SQL scripts (appendix)
- Screen dumps of UI (2-4 selected)
- Documentation of all test activities performed
- Documentation of an automated test (JUnit) of minimum one class in the data source layer.
- Conclusion – including a short overview of which parts of the complete set of requirements that have been implemented.
- Link to your server running the program

From assigment description deliveries 2/2

Executable software

- A NetBeans project supplemented by all additional files needed for running the program should be on the group's GitHub.
- URL to the groups GitHub repository
- List of how GitHub aliases map to group members

Process Report

- Sprint Backlog for each sprint
- Retrospective documentation from each sprint
- Assessment of group co-operation and use of roles
- Assessment of the usefulness of methods, tools and techniques applied during the project
- Conclusion

A good report – has the following qualities

- Is complete (contains all the artifact required)
- Is easy to read and understand.
- Uses appropriate technical / professional language and diagrams
- Preserves traceability between models (models are mutually consistent and coherent - from detailed requirements to executable code)
- Describes relevant problems and arguments for choices made.

Good advice 1

- Many illustrations
  - All figures must be referenced in the text
  - All figures must be commented upon
- Consistent layout
  - Chapter- and section numbering
  - Figure- and appendix numbering
- Valid references
  - Illustrations
  - Appendices
  - Section/page
  - Be careful with forward references

Good advice 2

- Let others **proofread** sections
- **Proofread** the **entire** report yourselves
- Remember to merge of subsections into a readable document with a good and natural flow of topics.