Project Plan and Estimation

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Description: <https://learnit.itu.dk/mod/page/view.php?id=186413>

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| 0 | Added ChangeLog (change me) | Peter | 22/09 |
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**Purpose:**

Project planning, making schedules and estimations are difficult areas of project management. They require experience, knowledge of techniques and calibration to the team. This project activity should give you experience with these areas of project management.  
Before getting into the details of the task please note the following: You are allowed to make assumptions e.g., budget, hours. Also, you may consider the hours that you are spending on the course. The timeline for your planning is the same as the course. It means you should consider the period from September 1st – December 13th. By the end of this period, assume that you should have a workable product ready. That means you need to have the project charter, analysis, design and test specification ready for possible implementation.

**Task:**

1. Read up

Please review the reading materials and familiarise yourself with project planning techniques. Consider the appropriate project planning approach for the process model you have chosen.

2. Work Break Down Structure  
Specify a list of tasks that you have to/plan to work on and deliverables that you plan to produce during the project. You are welcome to consult with the materials we have provided on the course base/course schedule. Take the activities for next week and apply one of the techniques.

3. Create your project schedule

Given the process model (e.g., scrum, kanban, etc.) of your choice, you may have different ideas to schedule the project activities and deliverables. Choose a planning method that corresponds to your development model. E.g., agile development uses the notion of backlogs (Scrum). You may break down the large tasks into a set of sub-tasks. You are also welcome to use available project management tools (e.g., Trello, etc.) to support your work.

4. Estimation for the next 2 weeks  
Perform estimation for tasks you identified for a two-week period. You are free to choose any two-week period in your schedule that you would like to work on for estimation. We have seen "Planning Poker" for your estimation. If you see fit, you may use another agile estimation technique. Don't forget to state why you chose a given technique.

**Outcome:**

Project Planning document including initial planning, schedule, estimation as specified in the task.

**Deadline:**

In due time for the next exercise session/supervision meeting.

Noter;

Sæt alle dokumenter op – alle er i Trello nu. Billede af backlog? Hvorfor har vi en backlog?

Estimate tid (Points)

Kapitel 3

Sprint backlog – To do in our case. 87

Doing – person is working on the task

On hold / finalize – Might remove this later. Task that has been worked on but not completed. Usually only needs to be set up

Under review – Task is ready to be reviewed by another team member

Done – task has been reviewed and approved. When all task in a sprint is completed, the given sprints done column is archived as there is no use for it again

Task not finished within the sprint will return to the backlog

https://www.atlassian.com/agile/project-management/estimation

Estimation – Our estimation includes readings, lectures, meetings to discuss content, writing the content, reviewing the content, perhaps changing the content and then handing it in. How many hours would this task take? Decided by the entire team.

https://www.rst.software/blog/story-point-vs-hours