



## Coursework: Software development models & project management

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In this piece of coursework, you will create a Project Plan for planning a small, local conference.

- Assume that you are organising the conference set to take place on 1st of May 2022. It terminates (project end) on the day after the conference.
- Decide which kind of project development process is appropriate for the whole endeavour.
- Consider what needs to be done: Booking rooms, catering, finding speakers, creating a schedule, advertising the event etc. Which steps depend on each other? How far in advance do they need to be done?
- Work out a schedule for the planning (not for the conference) in line with your chosen project development process. What activities have to be done when?
- Write this schedule down as a Gantt chart.

At [http://students.ans.org/wp-content/uploads/2017/07/PlanningManual\\_v2017.pdf](http://students.ans.org/wp-content/uploads/2017/07/PlanningManual_v2017.pdf) you can find some help on how to organise a student conference. You may find some of the considerations and timelines proposed there helpful. You do not need to consider finances.

Make sure you do not blur the line between the planning of a conference and the actual conference. You do not need to think of actual speakers or come up with an actual schedule!

### Submission

The first workshop within Professional Skills also tackled how to use git. Clone the template git repository on github classroom, the repository should be empty to start with. Add two items:

1. A one-page Gantt chart. This has to be in PDF format.
2. A short report of 2-3 paragraphs (under 4000 characters) which tells us which project development process you have chosen and why. This has to be in PDF format.

On LearnUltra submit only a text file with the commit hash of your final commit.

### Marking scheme

All submissions will be marked using the following criteria:

- Clear rationale why a certain project development process that has been chosen. Incorporate all knowledge you obtained from the project management workshop. (30/100 marks)
- Chosen process clearly reflected by Gantt chart and justified in report. Incorporate all knowledge you obtained from the project management workshop. (20/100 marks)
- Format/layout of Gantt chart. All text clearly readable. (10/100 marks)
- Dependencies clear. (10/100 marks)
- Slack clear. (15/100 marks)
- Critical path visually identified and highlighted. (15/100 marks)

It is important that you revisit the importance of change and risk management within software projects to tackle the last three items. Good risk and change management manifests in proper dependency identification and scheduling incorporating slack time.

For students who are interested in some follow-up literature, the popular science books by Tom DeMarco; in particular the bestseller *Peopleware*, may be a good place to start.