

Generic Programming - Project Management

Daniel Jørgensen, Jens Andersen, Steven H. Bergstedt

Datalogisk Institut, Københavns Universitet

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Agenda

- ① Definition
- ② Project Planning
- ③ Project Management Tools
- ④ Source Code & Bug Tracking Tools
- ⑤ Conclusion

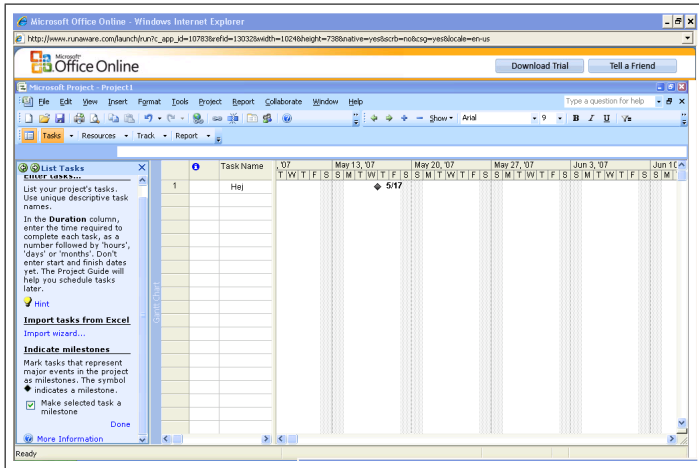
Our understanding of Project Management is a system that assists the development team as a tool to plan and keep track of resources and progress for a project

- Risk Analysis
What could happen that would delay or hinder the project.
E.g. objective changes, lack of resources or fundings.
- Resource estimation
How many people or hardware do you have at your disposal through the project.
- Objectives - partitioning
What objectives do you have in the project and can they be split up so that a big part are spread over more resources.
- Gantt charts
Use a Gantt chart to get a better overview of how far you are in a project and see what the milestones are.

To assist the project managers in development of plans there are numerous tools available that helps organizing the flow of a given project.

Examples:

- Microsoft Project
- TestJuggler
- KPlato



Some of the claimed benefits by the usage of Microsoft Project

- Effectively manage and understand project schedules.
- Get productive quickly.
- Leverage existing data.
- Build professional charts and diagrams.
- Effectively communicate information.
- Gain greater control of resources and finances.

source: <http://office.microsoft.com/en-us/project>

- Code revision
 - Contribution - Who comitted what - Plan
 - Responsibility - Who broke what?
 - Automatic Checkout and code auditing/testing
 - Tools
 - CVS - Free/OS
 - SVN - Free/OS
 - TFS - Microsoft Team Foundation Server, non-free
 - GIT - distributed

- Bug tracking
- Measurement for QA
- Post-design project management
- Tools
 - BugZilla
 - Trac
 - TFS

- Good Project Management makes projects better
- Easier success
- More focus on whether the timeframe is viable
- Negative/Positive:
- More control, less freedom