**Project Management**

*Glossary of Terms: Project Management, Gantt Chart*

**Monday – Discuss/brainstorm the different management techniques required to develop a new website**

**Project management** is the [discipline](http://en.wikipedia.org/wiki/List_of_academic_disciplines) of [planning](http://en.wikipedia.org/wiki/Planning), [or anizing](http://en.wikipedia.org/wiki/Organizing), securing and [managing](http://en.wikipedia.org/wiki/Managing) [resources](http://en.wikipedia.org/wiki/Resources) to bring about the successful completion of specific engineering project goals and objectives. It is sometimes conflated with [program management](http://en.wikipedia.org/wiki/Program_management), however technically that is actually a higher level construction: a group of related and somehow interdependent engineering projects. A [project](http://en.wikipedia.org/wiki/Project) is a temporary endeavor, having a defined beginning and end (usually constrained by date, but can be by funding or deliverables),[[1]](http://en.wikipedia.org/wiki/Project_management#cite_note-Chat-0) undertaken to meet unique goals and objectives,[[2]](http://en.wikipedia.org/wiki/Project_management#cite_note-1) usually to bring about beneficial change or added value. The temporary nature of projects stands in contrast to [business as usual (or operations)](http://en.wikipedia.org/wiki/Business_operations),[[3]](http://en.wikipedia.org/wiki/Project_management" \l "cite_note-2) which are repetitive, permanent or semi-permanent functional work to produce products or services. In practice, the [management](http://en.wikipedia.org/wiki/Management) of these two systems is often found to be quite different, and as such requires the development of distinct technical skills and the adoption of separate management.

The primary challenge of project management is to achieve all of the engineering project goals[[4]](http://en.wikipedia.org/wiki/Project_management#cite_note-3) and objectives while honoring the preconceived project constraints.[[5]](http://en.wikipedia.org/wiki/Project_management#cite_note-4) Typical constraints are [scope](http://en.wikipedia.org/wiki/Scope_(project_management)), [time](http://en.wikipedia.org/wiki/Time), and [budget](http://en.wikipedia.org/wiki/Budget).[[1]](http://en.wikipedia.org/wiki/Project_management#cite_note-Chat-0) The secondary—and more ambitious—challenge is to [optimize](http://en.wikipedia.org/wiki/Operations_research) the [allocation](http://en.wikipedia.org/wiki/Resource_allocation) and integration of inputs necessary to meet pre-defined objectives.

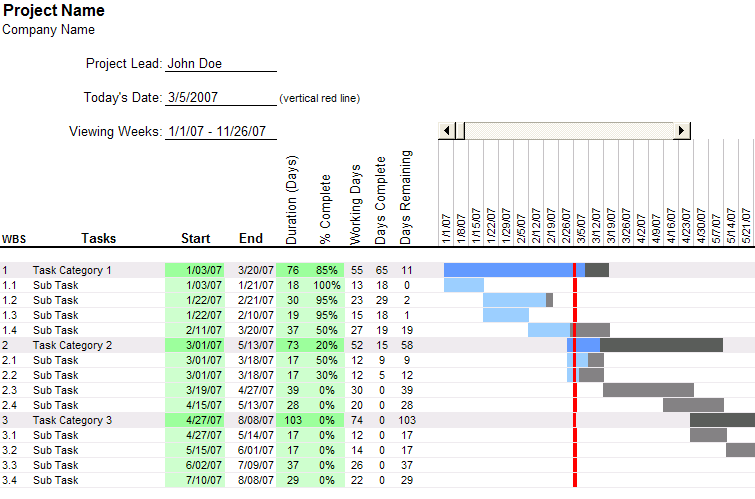
<http://en.wikipedia.org/wiki/Project_management>

1. Describe different project management techniques that would be available to develop a new web site.

<http://www.businessballs.com/project.htm>

<http://www.webdesignbooth.com/project-management-tools/>

1. Gantt charts are used in project management? Describe the advantages and disadvantages of using a Gantt chart in preparing for a big project.



To run an e-commerce business successfully Carmen needs a web content management system (Web CMS) to

* Organize and present information about her products and services through a consistent user interface
* Provide e-marketing
* Interface data from a central database
* Provide secure access to customers to view and upload files
* Provide an e-commerce facility (with shopping cart services)

She will also need to do the following:

* Choose a domain name and register it
* Set up a hosting account with MySQL database management system, PHP, Linux operating system and Apache web server.
* Set up a shopping cart system
* Set up a payment merchant account
* Set up the SSL-encrypted web site pages.

1. Set up a Gantt chart form the implementation of a new website. Include as many tasks as you can, the timeline can be fictitious. Use the template provided.