

Case Study 3
WBS and Scheduling
INFT 2100 Project Management
Assigned the week of October 1, 2012
Due October 9, 2012

Assignment:

Using information from the case study provided below, develop a project schedule using the requirements and estimates provided. Use Microsoft Project to develop the schedule, and accompany this schedule with a set of milestones to be used to measure the project's progress, using the provided Milestone Template (note: both the schedule and the Milestone documents are to be submitted)

The completed schedule should contain the complete Work Breakdown Structure, all tasks should be estimated and should be assigned to a resource. Milestones should be used in the schedule as zero-length tasks and be verifiable and quantifiable. Each of the three initiatives should be shown as a separate high level summary task in the project schedule.

Case Study:

Wheel Engineering Inc. designs custom tires for specialty construction and mining vehicles. The company started off ten years ago with five people and over the years has grown to 25 people. The company expects this trend to continue for many years to come. In order to facilitate this continued expansion and to better serve their customers, management has come to the conclusion that they need to upgrade the companies' current IT infrastructure and have hired new IT professionals and recent graduates (you and one other analyst) to do it.

Company Management has reviewed their project choices and determined to proceed with a combined approach to overcome their high priority technical needs. Here are the business needs:

1. Provide a new web presence for the company:

The company has determined that their business model is not designed to rely on the web to provide ecommerce activities, but they do want a professional and slick information site available for their prospects and a site where existing customers can re-order items. Here are the requirements they have settled on:

- a. Corporate Home Page
- b. Corporate Information Page
- c. Corporate Products Pages with a Main Products page and

Case Study 3
WBS and Scheduling
INFT 2100 Project Management
Assigned the week of October 1, 2012
Due October 9, 2012

subpages for each of its 4 lines of custom tires, including

- i. Pictures of products and a customer testimonial for each that pops up as you mouse over the product picture.
- d. On-line (email) order form
- e. Custom Graphics and standard styling required
- f. Estimates for work:
 - i. Graphics Design work will require minimum of three days by an external supplier. This work must be delivered and signed off at least one day prior to using it to complete the affected web pages.
 - ii. Each web page will take two days to build and one day to test by you and your partner.

2. Add the ability to properly backup the company's documents:

Company management has determined to adopt a NAS-centric approach to file service and backup. They want the added security of a RAID 5 solution as well. Here are the requirements:

- a. NAS solution, RAID 5, at least 5 Terabytes of storage
- b. Accessible from all computers (see point #3 for machine counts)
- c. Estimates:
 - i. Order and delivery will require one week.
 - ii. Implementation is expected to require one half day.
 - iii. Testing from each client computer, including setting backup parameters, will take 2 hours each.

3. Upgrade the company's computers and operating systems as required:

It is here that the company has decided to focus its financial commitment. They have determined that an upgrade in all hardware is needed to set the foundation for the future. Here are the requirements:

- a. Replace 25 corporate computers with machines having these base specifications:
 - i. Quad Core machines, 8Gb RAM, 1 Terabyte drive and ATI 7770 graphics
 - ii. 64 Bit Windows Professional
 - iii. Wired and wireless LAN connections

Case Study 3
WBS and Scheduling
INFT 2100 Project Management
Assigned the week of October 1, 2012
Due October 9, 2012

b. Estimates:

- i. Order and delivery will require 3 days for each order, but an order can include multiple machines.
- ii. Installation, imaging and testing will require one half day for each machine. You may assume that wiring is already in place.

4. Management wants to host a party for employees to celebrate the completion of the project, which makes a convenient final milestone.

Assignment Notes:

The assignment must be submitted before the due date in hardcopy format, either in the mailbox outside of room C-142 or electronically in my Inbox on the S: drive.

Ensure your name, group number (e.g. "Group A", "CET" etc.), course number/name (e.g. "INFT 2100 Project Management") and the date is present in **every** assignment, and in the filename of electronic submissions.

Case Study 3
WBS and Scheduling
INFT 2100 Project Management
Assigned the week of October 1, 2012
Due October 9, 2012

Marking Rubric

(15 marks)	Exceptional	Acceptable	Below Standard
Milestone Organization	Extremely well organized; logical format that was easy to follow (3)	Somewhat organized; ideas were not presented coherently which at times distracted the reader (2)	Choppy and confusing; format was difficult to follow (0-1)
Milestone Accuracy	Completely accurate; all facts were precise and explicit. Milestones were perfect (3)	Somewhat accurate; more than a few inconsistencies or errors in information. Milestones not always objective (1-2)	Completely inaccurate; the facts in this project were misleading to the reader (0)
WBS Organization	Extremely well organized; logical format that was easy to follow (3)	Somewhat organized; ideas were not presented coherently which at times distracted the reader (2)	Choppy and confusing; format was difficult to follow (0-1)
WBS Accuracy	Completely accurate; all facts were precise and explicit. WBS entries and task structure were perfect (3)	Somewhat accurate; more than a few inconsistencies or errors in information. WBS tasks not distinct or subtasks not appropriate for parent task (1-2)	Completely inaccurate; the facts in this project were misleading to the reader (0)
Polish	Flawless grammar and punctuation. Schedule is accurate and complete with no resource or task overlaps. (3)	Some grammar and punctuation errors. Schedule is not 100% accurate, may have resource or task overlaps. Critical Path not accurate. (1-2)	Too many grammar, format and punctuation errors. (0)

0 – Assignment not submitted or work not original.

Remember, you **MUST** cite the source of all resources, quotations, diagrams as per the Citation guidelines.