Personal PC Update – Completed

By Keith Gallistel
IT Project Management

- This Project is about updating client's PC so that he can use programs for his classes, such as Visual Studio 2008, in an efficient manner to keep up with classes and get good grades.
- The focus of this project is to make sure to ensure that hardware stays within budget so as not to throw off allocated money.
- The goal is to do most of the work during periods when the system is not going to be in use since parts are being salvaged from old system.
- Taking into consideration the system's age, opening the old system up with care so that it isn't damaged.
- Quality must also be high. The system is to be used for programming classes and it is of the utmost importance that it does not experience crashes.

Scope Statement

- Added one worker, Mark01, to project. He is my father and being as I borrowed tools from him, he was interested in helping. He assisted with motherboard and driving me to Wal-Mart twice for replacement components.
- As noted two replacement components were added:
  1) HP dvd1140 DVD Burner due to salvaged Plextor DVD Burner not working
  2) Keyboard due to salvaged keyboard not working

Changes from Last Report

- It took several hours longer to flash BIOS. Fortunately ASUS stores a back up BIOS on the driver CD they send.
- "Monitor System for 24 Hours" took four weeks due to memory problems that caused crashes.
- Added more status reports in "Controlling"

Changes from Last Report (cont.)

Item	Make/Model	Cost
Processor	Intel Core i7 920	$299.99
Motherboard	Asus P6T Deluxe	$299.99
RAM	G.Skill 3GB (3 x 1 GB) DDR3 SDRAM 1333 (2x)	$219.00
Case	Cooler Master Centurion 534	$54.99
Power Supply	COOLER MASTER Real Power Pro RS-650-ACAA-A1	$99.99
Hard drive	Western Digital Caviar SE16 500 GB (2x)	$129.98
Monitor	salvage Dell 1704FTP from old computer	$0.00
Video	HIS Radeon HD4870 1GB	$239.99
Optical drive	HP dvd1140	$61.15
Sound	Creative Sound Blaster X-Fi XtremeGamer	$90.99
Keyboard/mouse	Wal-Mart Special	$22.11
anti-static wrist strap		$0.00
anti-static mat		$25.00
~~Optical drive~~	~~Salvage Plextor DVD Burner from old computer~~	~~$0.00~~
~~Keyboard/mouse~~	~~salvage keyboard from old computer~~	~~$0.00~~
Total		$1,543.18

Final Budget

Dates

Start:	Sat 11/17/07	Finish:	Wed 1/28/09
Baseline Start:	Sat 11/17/07	Baseline Finish:	Sat 1/3/09
Actual Start:	Sat 11/17/07	Actual Finish:	NA
Start Variance:	0 days	Finish Variance:	18.63 days

Duration

Scheduled:	319.63 days	Remaining:	0 days
Baseline:	301 days	Actual:	319.63 days
Variance:	18.63 days	Percent Complete:	99%

Work

Scheduled:	432.05 hrs	Remaining:	7.9 hrs
Baseline:	92.87 hrs	Actual:	424.15 hrs
Variance:	339.18 hrs	Percent Complete:	98%

Costs

Scheduled:	$5,299.57	Remaining:	$63.20
Baseline:	$2,502.84	Actual:	$5,236.37
Variance:	$2,796.73		

Task Status

Tasks not yet started:	0
Tasks in progress:	3
Tasks completed:	321
Total Tasks:	324

Resource Status

Work Resources:	3
Overallocated Work Resources:	1
Material Resources:	17
Total Resources:	21

Project Summary

Top Level Tasks as of Mon 12/7/09
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ID	Task Name	Duration	Start	Finish	% Comp.	Cost	Work
1	Initiation	41 days	Sat 11/17/07	Sat 1/12/08	100%	$44.80	5.6 hrs
6	Investigation	1 day	Sat 5/24/08	Sun 5/25/08	100%	$182.67	22.83 hrs
17	Planning	0.85 days	Sun 5/25/08	Mon 5/26/08	100%	$192.00	24 hrs
21	Executing	35.65 days	Sun 12/14/08	Wed 1/28/09	99%	$4,864.10	377.62 hrs
90	Controlling	315.13 days	Sun 11/18/07	Fri 1/23/09	100%	$0.00	0 hrs
322	Closing	0.13 days	Wed 1/28/09	Wed 1/28/09	100%	$16.00	2 hrs

Top Level Tasks

ID	Task Name	Fixed Cost	Fixed Cost Accrual	Total Cost	Baseline	Variance
88	Monitor system for 24 hours	$0.00	Prorated	$2,560.00	$128.00	$2,432.00
18	Develop project plans	$0.00	Prorated	$64.00	$48.00	$16.00
61	Flash BIOS	$0.00	Prorated	$24.00	$8.00	$16.00
13	Open computer up	$0.00	Prorated	$16.00	$8.00	$8.00
15	close computer up	$0.00	Prorated	$16.00	$8.00	$8.00
44	Install motherboard	$0.00	Prorated	$307.99	$303.99	$4.00
12	Unplug computer	$0.00	Prorated	$2.67	$1.33	$1.33
41	Install CPU cooler	$0.00	Prorated	$2.67	$1.33	$1.33
42	Install RAM	$0.00	Prorated	$221.67	$220.33	$1.33
39	Set motherboard on anti-static mat	$0.00	Prorated	$301.32	$300.66	$0.67
40	Install CPU	$0.00	Prorated	$301.32	$300.66	$0.67
		$0.00		$3,817.64	$1,328.30	$2,489.33

Overbudget Tasks

Slipping Tasks as of Mon 12/7/09
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ID	Task Name	Start	Finish	Baseline Start	Baseline Finish	Start Var.	Finish Var.
21	Executing	Sun 12/14/08	Wed 1/28/09	Sun 12/14/08	Sat 1/3/09	0.4 days	18.5 days

Slipping Tasks

- Get a computer that doesn't freeze for 5 minutes when compiling, starting Java plug-in
- Get a computer that is future proofed so that it can run a 64 bit version of Vista

Objectives Obtained

- Funding: Less than or equal to $1,500
  - Total hardware costs was $1,543.18 not counting taxes, shipping and handling raising it to $1,630.59
  - All costs skyrocketed from $2,502.84 to $5,236.37
- Time: Must be done over either the five days off from work for Christmas or the five days off from work for New Years
  - Did not get finished until January 28, 2009. Four weeks over time.

Objectives Missed

- Next Slides =>

Lessons Learned

- Never plan only for the "happy case".
- Be realistic about what can be done in one day.
- Always have a back up plan. Doing things on the fly is never good.

Setting Objectives

- Specific is better than general.
- A tight scope can stop feature creep.
- Always go back to the scope statement to remember what the end result is.

Setting Scope

- Always add a buffer to costs.
- Never use up the initial budget at the outset.
- DON'T GO CHEAP IN THE WRONG AREAS TO SAVE MONEY!

Estimating Costs

- Always add as much time for quality as for the build process.
- Just because an expert on a video can do something in under an hour, doesn't mean that you can also.
  ◦ Give yourself extra time to do it right.

Estimating Time

- Always have some form of work break down structure. It will help keep the team focused.
- A WBS takes longer than you think.

WBS Creation

- Talking with teammates is important.
- Understanding how others feel about the project can make a difference in how it is planned from the start.

Communication

END