

CSCI814 IT Project Management (Lab3)

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1 In-class exercise

1.1

	Resource Name	Type	Initials	Max Units	Standard Rate	Overtime Rate	Cost Per Use	Accrue At	Base Calendar	Cost	Add New
1	Bill Goldfish		Work B	100%	\$60.00/hr	\$40.00/hr	\$0.00		Prorated Standard	\$33,600.00	
2	Toby Nixon		Work T	100%	\$45.00/hr	\$0.00/hr	\$0.00		Prorated Standard	\$1,440.00	
3	Sharon Salavaria		Work S	100%	\$55.00/hr	\$0.00/hr	\$0.00		Prorated Standard	\$2,200.00	
4	Zac Woodall		Work Z	100%	\$1,000.00/hr	\$0.00/hr	\$0.00		Prorated Standard	\$80,000.00	
5	Toni Poe		Work T	100%	\$90.00/hr	\$40.00/hr	\$0.00		Prorated Standard	\$10,800.00	
6	User support		Work U	400%	\$40.00/hr	\$0.00/hr	\$0.00		Prorated Standard	\$7,680.00	
7	Training		Cost T						Prorated	\$0.00	
8	Room		Material R		\$1,500.00		\$0.00		Prorated	\$1,500.00	

Fig. 1. Adding Rource

1.2

Material resources are consumables, they are used as project proceeds;

work resources are people and equipment to complete the tasks. cost resources are financial cost associated with a task.

1.3

\$137940

	Task Mode	Task Name	Duration	Start	Finish	% Comp.	Cost	Work	Ac
0		Project	110 days	Feb 21 '20	Jul 23 '20	0%	\$137,940.00	1,040 hrs	
1		Analysis	56 days	Feb 21 '20	May 8 '20	0%	\$110,360.00	608 hrs	
2		Document hardwa	2 days	Feb 21 '20	Feb 24 '20	0%	\$720.00	16 hrs	
3		Document softwar	3 days	Feb 25 '20	Feb 27 '20	0%	\$1,320.00	24 hrs	
4		Interview users	21 days	Feb 28 '20	Mar 27 '20	0%	\$6,720.00	168 hrs	
5		Document current	10 days	Feb 28 '20	Mar 12 '20	0%	\$87,200.00	160 hrs	
6		Conduct needs an	30 days	Mar 30 '20	May 8 '20	0%	\$14,400.00	240 hrs	
7		Analyzed	0 days			0%	\$0.00	0 hrs	
8		Request for propos	45 days	May 11 '20	Jul 10 '20	0%	\$22,800.00	360 hrs	
9		Build request for p	5 days	May 11 '20	May 15 '20	0%	\$2,400.00	40 hrs	
10		Gather bids	35 days	May 18 '20	Jul 3 '20	0%	\$16,800.00	280 hrs	
11		Choose vendor	5 days	Jul 6 '20	Jul 10 '20	0%	\$3,600.00	40 hrs	
12		Requested	0 days			0%	\$0.00	0 hrs	
13		Implementation	9 days	Jul 13 '20	Jul 23 '20	0%	\$4,780.00	72 hrs	
14		Install hardware	4 days	Jul 13 '20	Jul 16 '20	0%	\$1,440.00	32 hrs	
15		Install software	2 days	Jul 17 '20	Jul 20 '20	0%	\$880.00	16 hrs	
16		Conduct training	3 days	Jul 21 '20	Jul 23 '20	0%	\$2,460.00	24 hrs	
17		Implemented	0 days			0%	\$0.00	0 hrs	

Fig. 2. Revised project cost

1.4

	Task Name	Fixed Cost	Fixed Cost Accrual	Total Cost	Baseline	Variance	Actual	Remainin	Resource Names
0	Project	\$0.00	Prorated	\$145,940.00	\$0.00	\$145,940.00	\$0.00	\$45,940.00	
1	Analysis	\$0.00	Prorated	\$110,360.00	\$0.00	\$110,360.00	\$0.00	\$110,360.00	
2	Document hardware	\$0.00	Prorated	\$720.00	\$0.00	\$720.00	\$0.00	\$720.00	Toby Nixon
3	Document software	\$0.00	Prorated	\$1,320.00	\$0.00	\$1,320.00	\$0.00	\$1,320.00	Sharon Salavaria
4	Interview users	\$0.00	Prorated	\$6,720.00	\$0.00	\$6,720.00	\$0.00	\$6,720.00	User support
5	Document current environmer	\$0.00	Prorated	\$87,200.00	\$0.00	\$87,200.00	\$0.00	\$87,200.00	Zac Woodall,Toni Poe
6	Conduct needs analysis	\$0.00	Prorated	\$14,400.00	\$0.00	\$14,400.00	\$0.00	\$14,400.00	Bill Goldfish
7	Analyzed	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
8	Request for proposal	\$0.00	Prorated	\$28,800.00	\$0.00	\$28,800.00	\$0.00	\$28,800.00	
9	Build request for proposal	\$5,000.00	Prorated	\$7,400.00	\$0.00	\$7,400.00	\$0.00	\$7,400.00	Bill Goldfish
10	Gather bids	\$0.00	Prorated	\$16,800.00	\$0.00	\$16,800.00	\$0.00	\$16,800.00	Bill Goldfish
11	Choose vendor	\$1,000.00	Prorated	\$4,600.00	\$0.00	\$4,600.00	\$0.00	\$4,600.00	Toni Poe
12	Requested	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
13	Implementation	\$0.00	Prorated	\$6,780.00	\$0.00	\$6,780.00	\$0.00	\$6,780.00	
14	Install hardware	\$0.00	Prorated	\$1,440.00	\$0.00	\$1,440.00	\$0.00	\$1,440.00	Toby Nixon
15	Install software	\$0.00	Prorated	\$880.00	\$0.00	\$880.00	\$0.00	\$880.00	Sharon Salavaria
16	Conduct training	\$2,000.00	Prorated	\$4,460.00	\$0.00	\$4,460.00	\$0.00	\$4,460.00	User support,Training,Room[1]
17	Implemented	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

Fig. 3. Revised project cost

1.5

\$145940

1.6

\$146340

	Task Name	Fixed Cost	Fixed Cost Accrual	Total Cost	Baseline	Variance	Actual	Remaining	Resource Names
0	Project	\$0.00	Prorated	\$146,340.00	\$0.00	\$146,340.00	\$0.00	\$146,340.00	
1	Analysis	\$0.00	Prorated	\$110,600.00	\$0.00	\$110,600.00	\$0.00	\$110,600.00	
2	Document hardware	\$0.00	Prorated	\$720.00	\$0.00	\$720.00	\$0.00	\$720.00	Toby Nixon
3	Document software	\$0.00	Prorated	\$1,560.00	\$0.00	\$1,560.00	\$0.00	\$1,560.00	Sharon Salavaria
4	Interview users	\$0.00	Prorated	\$6,720.00	\$0.00	\$6,720.00	\$0.00	\$6,720.00	User support
5	Document current environment	\$0.00	Prorated	\$87,200.00	\$0.00	\$87,200.00	\$0.00	\$87,200.00	Zac Woodall,Toni Poe
6	Conduct needs analysis	\$0.00	Prorated	\$14,400.00	\$0.00	\$14,400.00	\$0.00	\$14,400.00	Bill Goldfish
7	Analyzed	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
8	Request for proposal	\$0.00	Prorated	\$28,800.00	\$0.00	\$28,800.00	\$0.00	\$28,800.00	
9	Build request for proposal	\$5,000.00	Prorated	\$7,400.00	\$0.00	\$7,400.00	\$0.00	\$7,400.00	Bill Goldfish
10	Gather bids	\$0.00	Prorated	\$16,800.00	\$0.00	\$16,800.00	\$0.00	\$16,800.00	Bill Goldfish
11	Choose vendor	\$1,000.00	Prorated	\$4,600.00	\$0.00	\$4,600.00	\$0.00	\$4,600.00	Toni Poe
12	Requested	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
13	Implementation	\$0.00	Prorated	\$6,940.00	\$0.00	\$6,940.00	\$0.00	\$6,940.00	
14	Install hardware	\$0.00	Prorated	\$1,440.00	\$0.00	\$1,440.00	\$0.00	\$1,440.00	Toby Nixon
15	Install software	\$0.00	Prorated	\$1,040.00	\$0.00	\$1,040.00	\$0.00	\$1,040.00	Sharon Salavaria
16	Conduct training	\$2,000.00	Prorated	\$4,460.00	\$0.00	\$4,460.00	\$0.00	\$4,460.00	User support,Training,Room[1]
17	Implemented	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

Fig. 4. Revised project cost

1.7

1450h

	Task Name	Plan	Baseline	Forecast	Actual	Remaining	Comp.	Task Cost Summary
0	Project	1,040 hrs	0 hrs	1,040 hrs	0 hrs	1,040 hrs	0%	
1	Analysis	608 hrs	0 hrs	608 hrs	0 hrs	608 hrs	0%	
2	Document hardware	16 hrs	0 hrs	16 hrs	0 hrs	16 hrs	0%	
3	Document software	24 hrs	0 hrs	24 hrs	0 hrs	24 hrs	0%	
4	Interview users	168 hrs	0 hrs	168 hrs	0 hrs	168 hrs	0%	
5	Document current environment	160 hrs	0 hrs	160 hrs	0 hrs	160 hrs	0%	
6	Conduct needs analysis	240 hrs	0 hrs	240 hrs	0 hrs	240 hrs	0%	
7	Analyzed	0 hrs	0 hrs	0 hrs	0 hrs	0 hrs	0%	
8	Request for proposal	360 hrs	0 hrs	360 hrs	0 hrs	360 hrs	0%	
9	Build request for proposal	40 hrs	0 hrs	40 hrs	0 hrs	40 hrs	0%	
10	Gather bids	280 hrs	0 hrs	280 hrs	0 hrs	280 hrs	0%	
11	Choose vendor	40 hrs	0 hrs	40 hrs	0 hrs	40 hrs	0%	
12	Requested	0 hrs	0 hrs	0 hrs	0 hrs	0 hrs	0%	
13	Implementation	72 hrs	0 hrs	72 hrs	0 hrs	72 hrs	0%	
14	Install hardware	32 hrs	0 hrs	32 hrs	0 hrs	32 hrs	0%	
15	Install software	16 hrs	0 hrs	16 hrs	0 hrs	16 hrs	0%	
16	Conduct training	24 hrs	0 hrs	24 hrs	0 hrs	24 hrs	0%	
17	Implemented	0 hrs	0 hrs	0 hrs	0 hrs	0 hrs	0%	

Fig. 5. Revised project cost

1.8

The default progress of each task is 0.

2 Lab3

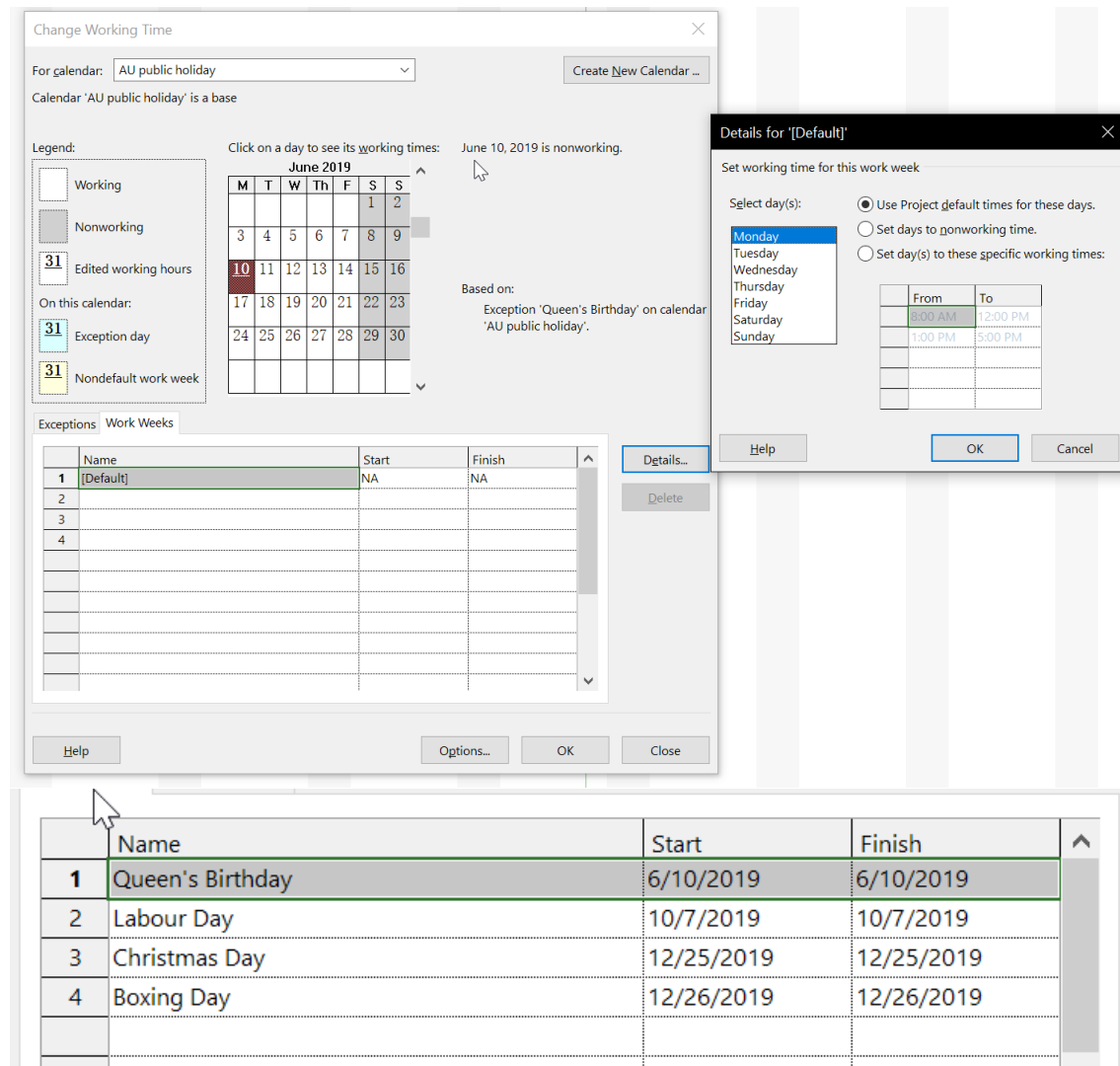


Fig. 6. Australia Public Holiday

a)

	Task Mode	Task Name	Duration	Start	Finish	% Comp.	Cost	Work	Add New Colu
1		Project	97 days	May 1 '19	Sep 13 '19	0%	\$155,840.00	2,432 hrs	
2		Start-up planning and design	5 days	May 1 '19	May 7 '19	0%	\$5,800.00	80 hrs	
3		Equipment determination and planning	8 days	May 8 '19	May 17 '19	0%	\$16,640.00	256 hrs	
4		Specific software determination	9 days	May 8 '19	May 20 '19	0%	\$10,080.00	144 hrs	
5		Production line planning and determination	4 days	May 20 '19	May 23 '19	0%	\$2,240.00	32 hrs	
6		Equipment planning	7 days	May 20 '19	May 28 '19	0%	\$7,840.00	112 hrs	
7		Software planning	17 days	May 21 '19	Jun 12 '19	0%	\$10,200.00	136 hrs	
8		Equipment documentation	10 days	May 29 '19	Jun 11 '19	0%	\$11,200.00	160 hrs	
9		Documentation of operational system	13 days	Jun 13 '19	Jul 1 '19	0%	\$14,040.00	208 hrs	
10		Detailed hardware blueprints	7 days	May 29 '19	Jun 6 '19	0%	\$3,360.00	56 hrs	
11		Hardware component orders	1 day	Jun 7 '19	Jun 7 '19	0%	\$360.00	8 hrs	
12		Hardware component delivery	6 days	Jun 11 '19	Jun 18 '19	0%	\$0.00	0 hrs	
13		Integration of phase 1	12 days	Jul 2 '19	Jul 17 '19	0%	\$23,040.00	384 hrs	
14		Prototype development	10 days	Jul 18 '19	Jul 31 '19	0%	\$10,000.00	160 hrs	
15		Prototype introduction	6 days	Aug 1 '19	Aug 8 '19	0%	\$5,520.00	96 hrs	
16		System evaluation and improvement	9 days	Aug 9 '19	Aug 21 '19	0%	\$12,600.00	216 hrs	
17		Hardware assembly	18 days	Aug 9 '19	Sep 3 '19	0%	\$7,920.00	144 hrs	
18		Computer system installation	7 days	Sep 4 '19	Sep 12 '19	0%	\$7,000.00	112 hrs	
19		Project documentation	4 days	Sep 4 '19	Sep 9 '19	0%	\$6,080.00	96 hrs	
20		Integration of phase 2	1 day	Sep 13 '19	Sep 13 '19	0%	\$1,920.00	32 hrs	

Fig. 7. Cost and duration

b)

	Task Mode	Task Name	Duration	Start	Finish	% Comp.	Cost	Work	Add New Cc
1		Project	139 days	May 1 '19	Nov 13 '19	0%	\$164,760.00	2,464 hrs	
2		Start-up planning and design	5 days	May 1 '19	May 7 '19	0%	\$5,800.00	80 hrs	
3		Equipment determination and planning	8 days	May 8 '19	May 17 '19	0%	\$16,640.00	256 hrs	
4		Specific software determination	9 days	May 8 '19	May 20 '19	0%	\$10,080.00	144 hrs	
5		Production line planning and determination	4 days	May 20 '19	May 23 '19	0%	\$2,240.00	32 hrs	
6		Equipment planning	7 days	May 20 '19	May 28 '19	0%	\$7,840.00	112 hrs	
7		Software planning	17 days	May 21 '19	Jun 12 '19	0%	\$10,200.00	136 hrs	
8		Equipment documentation	10 days	May 29 '19	Jun 11 '19	0%	\$16,200.00	160 hrs	
9		Documentation of operational system	13 days	Jun 13 '19	Jul 1 '19	0%	\$14,040.00	208 hrs	
10		Detailed hardware blueprints	7 days	May 29 '19	Jun 6 '19	0%	\$3,360.00	56 hrs	
11		Hardware component orders	1 day	Jun 7 '19	Jun 7 '19	0%	\$360.00	8 hrs	
12		Hardware component delivery	6 days	Jun 11 '19	Jun 18 '19	0%	\$0.00	0 hrs	
13		Integration of phase 1	13 days	Jul 2 '19	Sep 16 '19	0%	\$24,960.00	416 hrs	
14		Prototype development	10 days	Sep 17 '19	Sep 30 '19	0%	\$10,000.00	160 hrs	
15		Prototype introduction	6 days	Oct 1 '19	Oct 8 '19	0%	\$5,520.00	96 hrs	
16		System evaluation and improvement	9 days	Oct 9 '19	Oct 21 '19	0%	\$12,600.00	216 hrs	
17		Hardware assembly	18 days	Oct 9 '19	Nov 1 '19	0%	\$7,920.00	144 hrs	
18		Computer system installation	7 days	Nov 4 '19	Nov 12 '19	0%	\$7,000.00	112 hrs	
19		Project documentation	4 days	Nov 4 '19	Nov 7 '19	0%	\$8,080.00	96 hrs	
20		Integration of phase 2	1 day	Nov 13 '19	Nov 13 '19	0%	\$1,920.00	32 hrs	

Fig. 8. Cost and duration

\$164760