

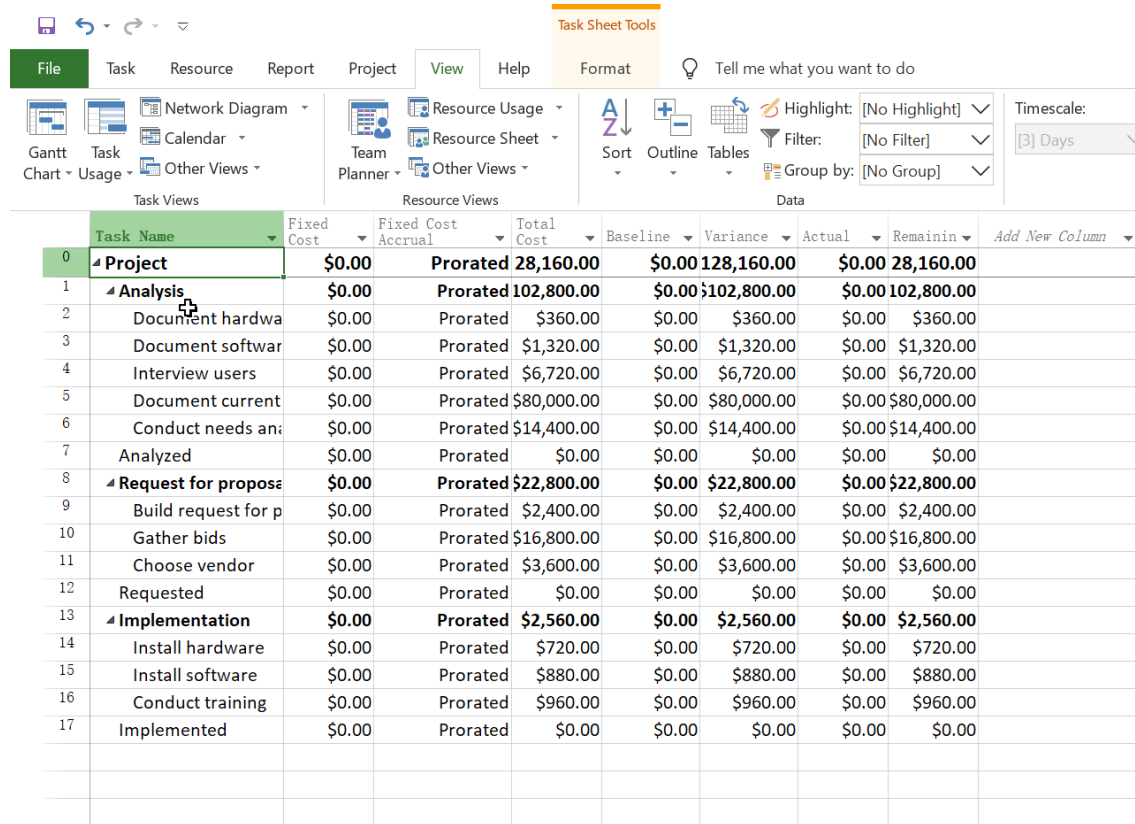
CSCI814 IT Project Management (Lab2)

Student Name: Wangzhihui Mei
CCNU Student Number: 2019124044
UOW Student Number: 6603385

Central China Normal University Wollongong Joint Institute

1 In-class exercise

1.1 plan's costs per task

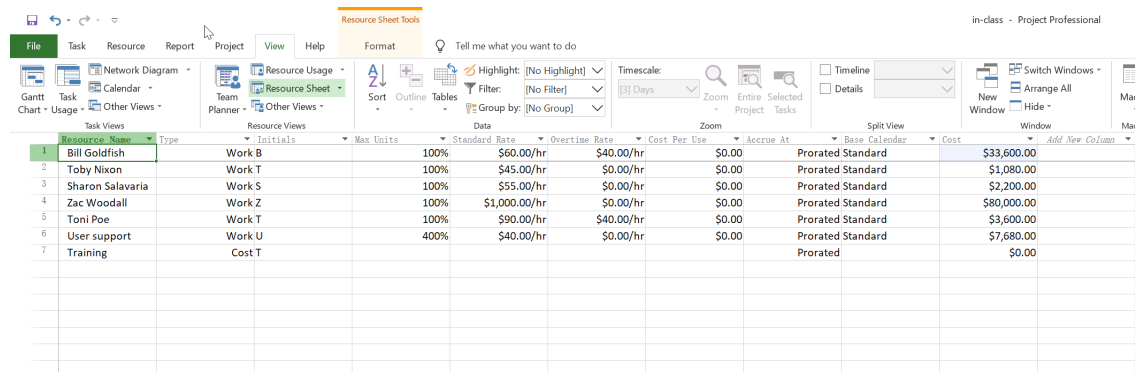


The screenshot shows the Microsoft Project interface with the 'Task Sheet Tools' ribbon active. The ribbon includes tabs for File, Task, Resource, Report, Project, View, Help, Format, and a search bar. Below the ribbon are several toolbars: Task Views (Gantt Chart, Task Usage, Network Diagram, Calendar, Other Views), Resource Views (Team Planner, Resource Usage, Resource Sheet, Other Views), and Data (Sort, Outline, Tables, Highlight, Filter, Group by). The main area displays a task sheet table with columns for Task Name, Fixed Cost, Fixed Cost Accrual, Total Cost, Baseline, Variance, Actual, and Remainin. The table lists tasks from 0 to 17, including Project, Analysis, Request for proposal, and Implementation, with associated costs.

	Task Name	Fixed Cost	Fixed Cost Accrual	Total Cost	Baseline	Variance	Actual	Remainin	Add New Column
0	Project	\$0.00	Prorated	28,160.00	\$0.00	128,160.00	\$0.00	28,160.00	
1	Analysis	\$0.00	Prorated	102,800.00	\$0.00	102,800.00	\$0.00	102,800.00	
2	Document hardware	\$0.00	Prorated	\$360.00	\$0.00	\$360.00	\$0.00	\$360.00	
3	Document software	\$0.00	Prorated	\$1,320.00	\$0.00	\$1,320.00	\$0.00	\$1,320.00	
4	Interview users	\$0.00	Prorated	\$6,720.00	\$0.00	\$6,720.00	\$0.00	\$6,720.00	
5	Document current	\$0.00	Prorated	\$80,000.00	\$0.00	\$80,000.00	\$0.00	\$80,000.00	
6	Conduct needs analysis	\$0.00	Prorated	\$14,400.00	\$0.00	\$14,400.00	\$0.00	\$14,400.00	
7	Analyzed	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
8	Request for proposal	\$0.00	Prorated	\$22,800.00	\$0.00	\$22,800.00	\$0.00	\$22,800.00	
9	Build request for proposal	\$0.00	Prorated	\$2,400.00	\$0.00	\$2,400.00	\$0.00	\$2,400.00	
10	Gather bids	\$0.00	Prorated	\$16,800.00	\$0.00	\$16,800.00	\$0.00	\$16,800.00	
11	Choose vendor	\$0.00	Prorated	\$3,600.00	\$0.00	\$3,600.00	\$0.00	\$3,600.00	
12	Requested	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
13	Implementation	\$0.00	Prorated	\$2,560.00	\$0.00	\$2,560.00	\$0.00	\$2,560.00	
14	Install hardware	\$0.00	Prorated	\$720.00	\$0.00	\$720.00	\$0.00	\$720.00	
15	Install software	\$0.00	Prorated	\$880.00	\$0.00	\$880.00	\$0.00	\$880.00	
16	Conduct training	\$0.00	Prorated	\$960.00	\$0.00	\$960.00	\$0.00	\$960.00	
17	Implemented	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

Fig. 1. plan's costs per task

1.2 plan's costs per resource



The screenshot shows the Microsoft Project interface with the 'Resource Sheet Tools' ribbon active. The ribbon includes tabs for File, Task, Resource, Report, Project, View, Help, Format, and a search bar. Below the ribbon are several toolbars: Task Views (Gantt Chart, Task Usage, Network Diagram, Calendar, Other Views), Resource Views (Team Planner, Resource Usage, Resource Sheet, Other Views), and Data (Sort, Outline, Tables, Highlight, Filter, Group by). The main area displays a resource sheet table with columns for Resource Name, Type, Initials, Max Units, Standard Rate, Overtime Rate, Cost Per Use, Accrue At, Base Calendar, and Cost. The table lists resources from 1 to 7, including Bill Goldfish, Toby Nixon, Sharon Salavaria, Zac Woodall, Toni Poe, User support, and Training, with associated costs.

	Resource Name	Type	Initials	Max Units	Standard Rate	Overtime Rate	Cost Per Use	Accrue At	Base Calendar	Cost	Add New Column
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		\$1,080.00	
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		\$3,600.00	
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	

Fig. 2. plan's costs per resource

1.3 resource assignment grouped by task

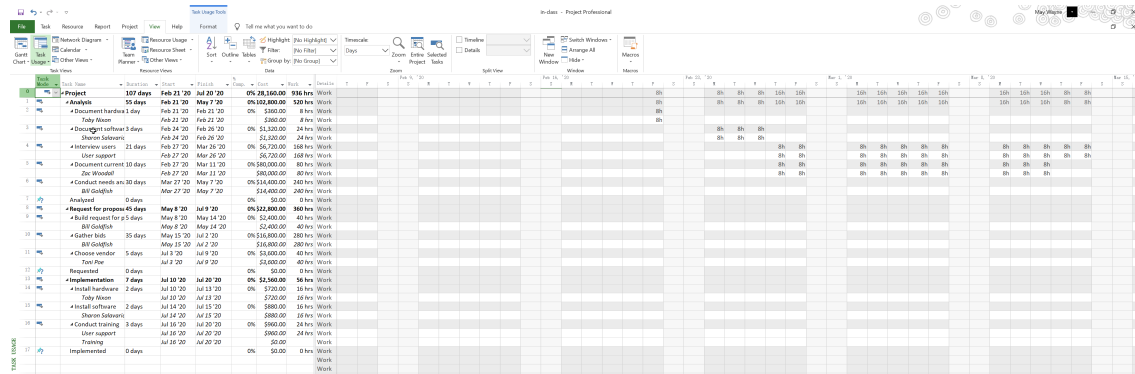


Fig. 3. resource group by task

1.4 task assignment grouped by resource

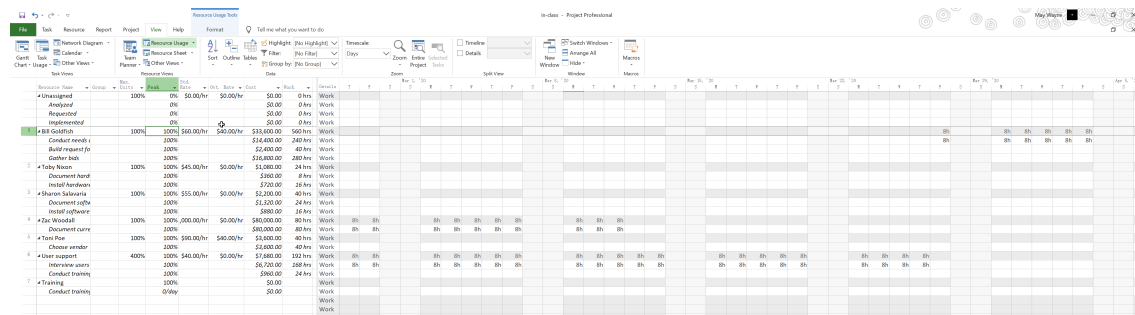


Fig. 4. resource group by resource

1.5 Others

total cost is \$128160

If Toby Nixon work part-time, the duration will change from 110 to 112 days while cost won't change.

If Bill Goldfish don't work each Tuesday, the duration will change from 110 to 128 days while cost won't change.

If adding Toni Poe as extra resource while keeping same amount of work, the duration won't change while the project cost will fall to \$92120. If the duration remain constant, the project duration won't change while the cost will jump to \$135720.

2 Lab1

2.1 Resource sheet

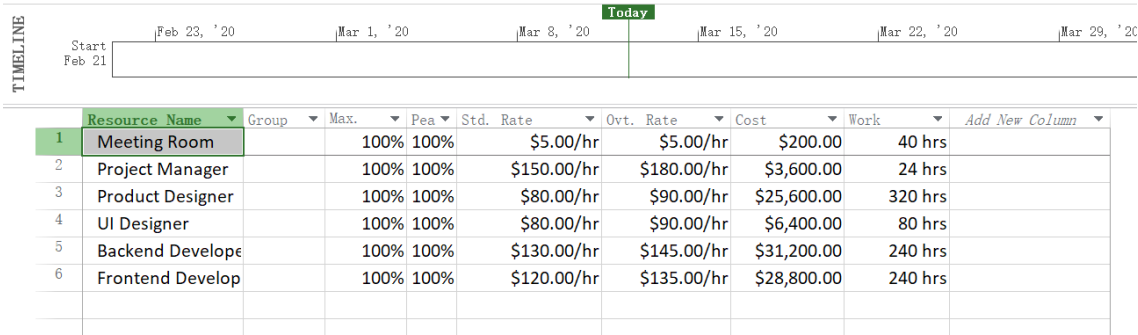


Fig. 5. Resource sheet

2.2 Task sheet

	Task Mode	Task Name	Duration	Start	Finish	% Comp.	Cost	Work	
0		Software Development	78.75 days	Feb 21 '20	Jun 23 '20	0%	\$95,800.00	944 hrs	
1		▸ Requirements analysis	6.56 days	Feb 21 '20	Mar 2 '20	0%	\$2,600.00	56 hrs	
2		▸ Communication and Meeting Room	5 days	Feb 21 '20	Feb 27 '20	+	0%	\$200.00	40 hrs
3		▸ Evaluation and Verification	2 days	Feb 28 '20	Mar 2 '20	0%	\$2,400.00	16 hrs	
4		▸ Project Management	0 days	Feb 28 '20	Mar 2 '20	0%	\$2,400.00	16 hrs	
5		▸ Requirements analysis	0 days	Mar 2 '20	Mar 2 '20	0%	\$0.00	0 hrs	
6		Design	22.5 days	Mar 3 '20	Apr 6 '20	0%	\$16,000.00	200 hrs	
7		▸ Design prototype	15 days	Mar 3 '20	Mar 23 '20	0%	\$9,600.00	120 hrs	
8		▸ Product Design	0 days	Mar 3 '20	Mar 23 '20	0%	\$9,600.00	120 hrs	
9		▸ Design UI	10 days	Mar 24 '20	Apr 6 '20	0%	\$6,400.00	80 hrs	
10		▸ UI Designer	0 days	Mar 24 '20	Apr 6 '20	0%	\$6,400.00	80 hrs	
11		▸ Complete product design	0 days	Apr 6 '20	Apr 6 '20	0%	\$0.00	0 hrs	
12		Development	33.75 days	Mar 24 '20	May 18 '20	0%	\$60,000.00	480 hrs	
13		▸ Backend development	30 days	Mar 24 '20	May 4 '20	0%	\$31,200.00	240 hrs	
14		▸ Backend Development	0 days	Mar 24 '20	May 4 '20	0%	\$31,200.00	240 hrs	
15		▸ Frontend development	25 days	Apr 7 '20	May 11 '20	0%	\$24,000.00	200 hrs	
16		▸ Frontend Development	0 days	Apr 7 '20	May 11 '20	0%	\$24,000.00	200 hrs	
17		▸ Source merging and compiling	5 days	May 12 '20	May 18 '20	0%	\$4,800.00	40 hrs	
18		▸ Frontend Development	0 days	May 12 '20	May 18 '20	0%	\$4,800.00	40 hrs	
19		▸ Product development	0 days	May 18 '20	May 18 '20	0%	\$0.00	0 hrs	
20		Deployment	24.38 days	May 19 '20	Jun 23 '20	0%	\$17,200.00	208 hrs	
21		▸ Public Beta Testing	15 days	May 19 '20	Jun 8 '20	0%	\$9,600.00	120 hrs	
22		▸ Product Design	0 days	May 19 '20	Jun 8 '20	0%	\$9,600.00	120 hrs	
23		▸ Product quality inspection	10 days	Jun 9 '20	Jun 22 '20	0%	\$6,400.00	80 hrs	
24		▸ Product Design	0 days	Jun 9 '20	Jun 22 '20	0%	\$6,400.00	80 hrs	
25		▸ Product Release	1 day	Jun 23 '20	Jun 23 '20	0%	\$1,200.00	8 hrs	
26		▸ Project Management	0 days	Jun 23 '20	Jun 23 '20	0%	\$1,200.00	8 hrs	
27		▸ Officially launched product	0 days	Jun 23 '20	Jun 23 '20	0%	\$0.00	0 hrs	

Fig. 6. Task sheet

2.3 Change of resource details

calendar/Working hours changing

2.4 Task sheet

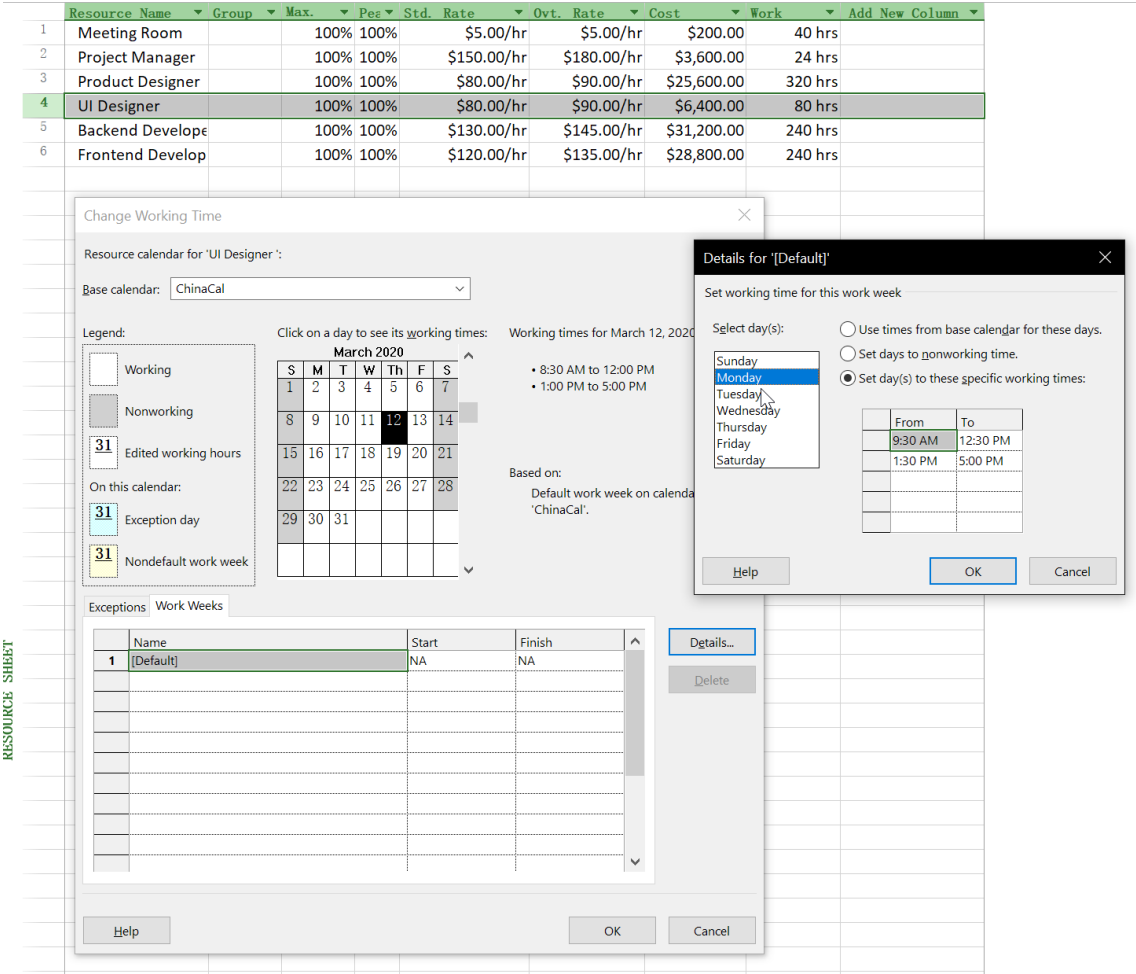


Fig. 7. Resource details

Change calendar to Chinese public holiday calendar. Change working hours from (Monday-Friday 8:30-17:00) to (Monday 9:30-17:00 Tuesday)

2.5 Plan checking

	Task Mode	Task Name	Duration	Start	Finish	% Comp.	Cost	Work
0		Software Development	71.06 days	Feb 21 '20	Jun 11 '20	0%	\$99,400.00	944 hrs
1		Requirements analysis	6.56 days	Feb 21 '20	Mar 2 '20	0%	\$2,600.00	56 hrs
2		Communication and Meeting Room	5 days	Feb 21 '20	Feb 27 '20	0%	\$200.00	40 hrs
3		Evaluation and Verification	2 days	Feb 28 '20	Mar 2 '20	0%	\$2,400.00	16 hrs
4		Project Management	0 days	Feb 28 '20	Mar 2 '20	0%	\$2,400.00	16 hrs
5		Requirements analysis	0 days	Mar 2 '20	Mar 2 '20	0%	\$0.00	0 hrs
6		Design	24.19 days	Mar 3 '20	Apr 8 '20	0%	\$16,000.00	200 hrs
7		Design prototype	15 days	Mar 3 '20	Mar 23 '20	0%	\$9,600.00	120 hrs
8		Product Design	0 days	Mar 3 '20	Mar 23 '20	0%	\$9,600.00	120 hrs
9		Design UI	10 days	Mar 24 '20	Apr 8 '20	0%	\$6,400.00	80 hrs
10		UI Designer	0 days	Mar 24 '20	Apr 8 '20	0%	\$6,400.00	80 hrs
11		Complete product design	0 days	Apr 8 '20	Apr 8 '20	0%	\$0.00	0 hrs
12		Development	35.44 days	Mar 24 '20	May 20 '20	0%	\$60,000.00	480 hrs
13		Backend development	30 days	Mar 24 '20	May 4 '20	0%	\$31,200.00	240 hrs
14		Backend Development	0 days	Mar 24 '20	May 4 '20	0%	\$31,200.00	240 hrs
15		Frontend development	25 days	Apr 8 '20	May 13 '20	0%	\$24,000.00	200 hrs
16		Frontend Development	0 days	Apr 8 '20	May 13 '20	0%	\$24,000.00	200 hrs
17		Source merging and compiling	5 days	May 13 '20	May 20 '20	0%	\$4,800.00	40 hrs
18		Frontend Development	0 days	May 13 '20	May 20 '20	0%	\$4,800.00	40 hrs
19		Product development	0 days	May 20 '20	May 20 '20	0%	\$0.00	0 hrs
20		Deployment	15 days	May 20 '20	Jun 11 '20	0%	\$20,800.00	208 hrs
21		Public Beta Testing	5 days	May 20 '20	May 27 '20	0%	\$13,200.00	120 hrs
22		Product Design	0 days	May 20 '20	May 27 '20	0%	\$3,200.00	40 hrs
23		Backend Development	0 days	May 20 '20	May 27 '20	0%	\$5,200.00	40 hrs
24		Frontend Development	0 days	May 20 '20	May 27 '20	0%	\$4,800.00	40 hrs
25		Product quality inspection	10 days	May 27 '20	Jun 10 '20	0%	\$6,400.00	80 hrs
26		Product Design	0 days	May 27 '20	Jun 10 '20	0%	\$6,400.00	80 hrs
27		Product Release	1 day	Jun 10 '20	Jun 11 '20	0%	\$1,200.00	8 hrs
28		Project Management	0 days	Jun 10 '20	Jun 11 '20	0%	\$1,200.00	8 hrs
29		Officially launched product	0 days	Jun 11 '20	Jun 11 '20	0%	\$0.00	0 hrs

Fig. 8. Task Summary

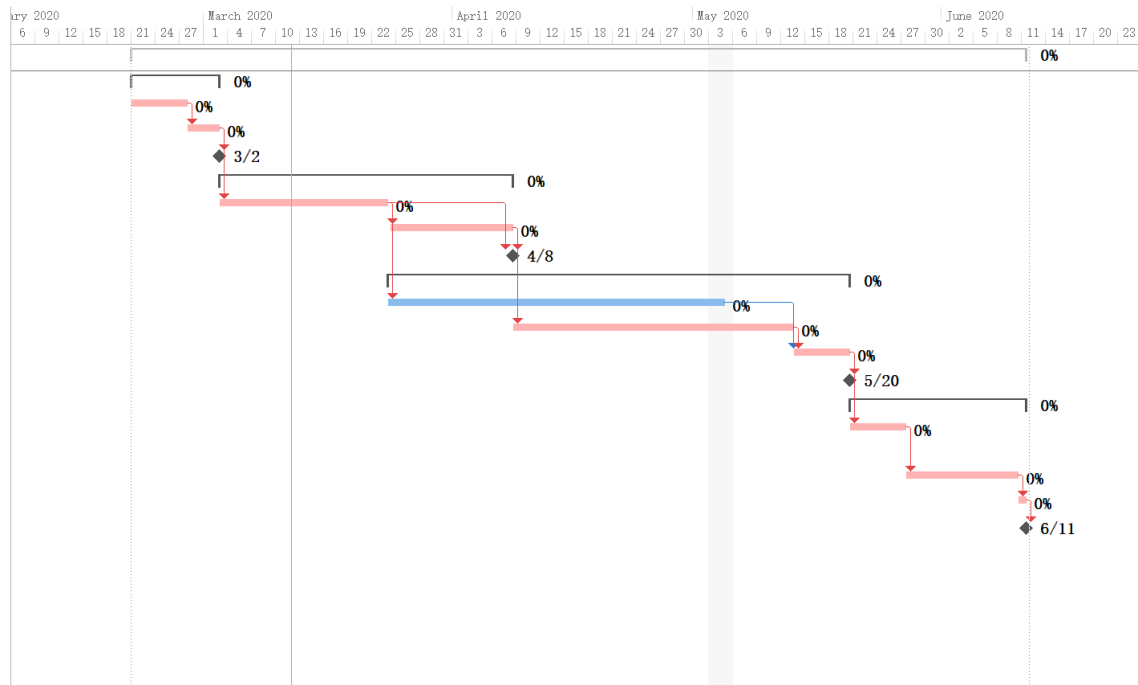


Fig. 11. Gantt Chart2

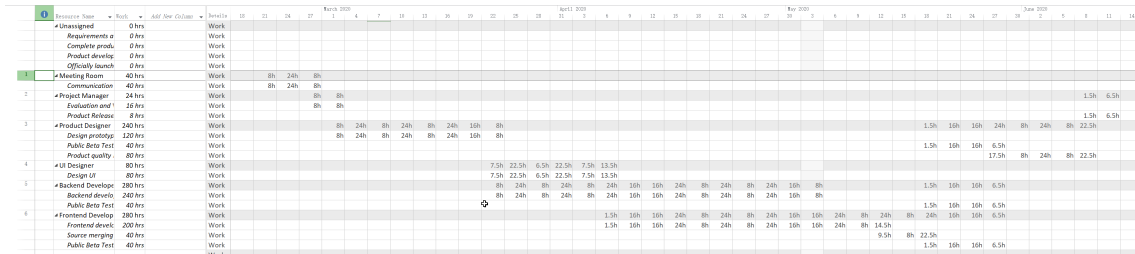


Fig. 12. Resource usage plan