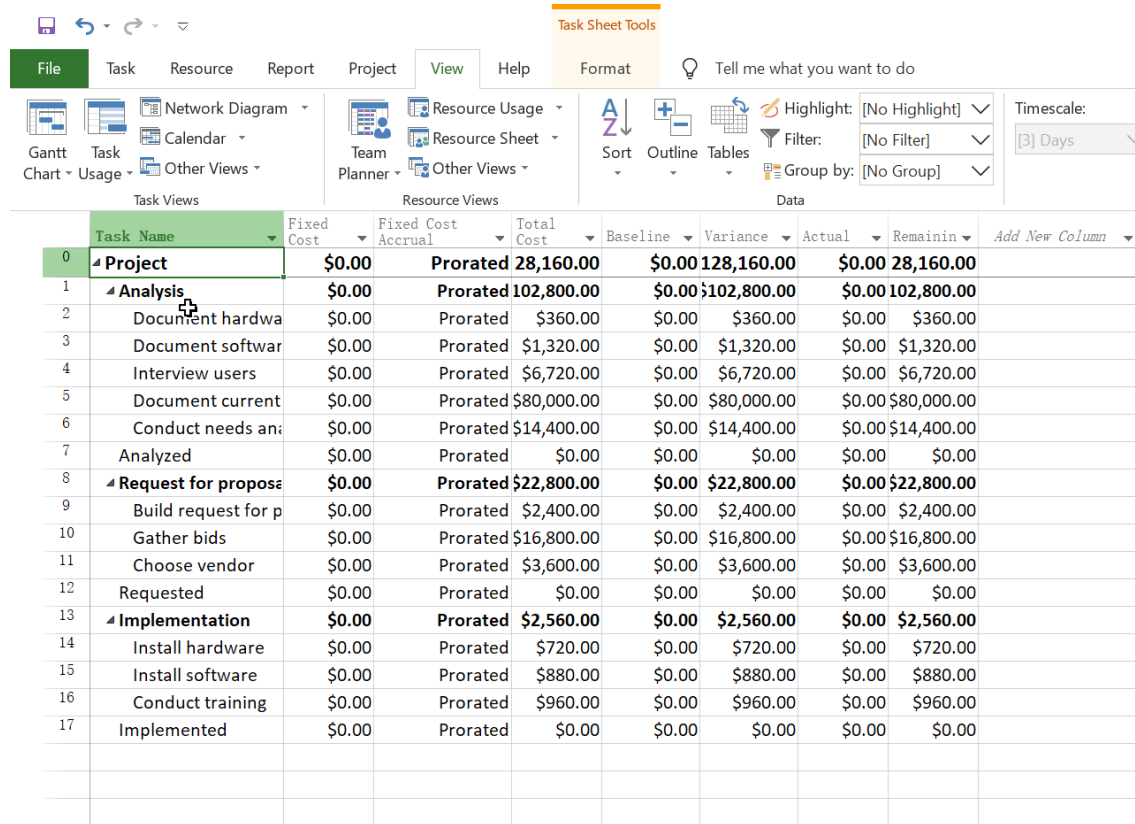# CSCI814 IT Project Management (Lab2)

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

Central China Normal University Wollongong Joint Institute
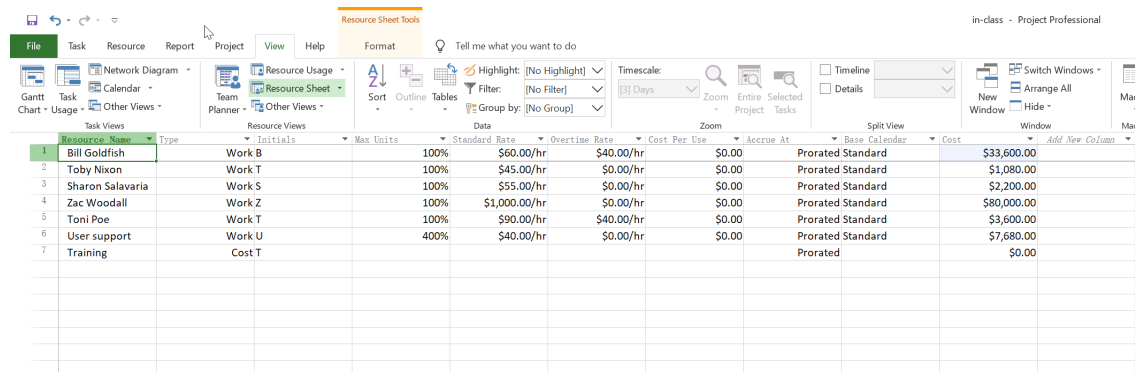
1 In-class exercise

1.1 plan's costs per task

Fig. 1. plan's costs per task

1.2 plan's costs per resource

Fig. 2. plan's costs per resource

1.3   resource assignment grouped by task
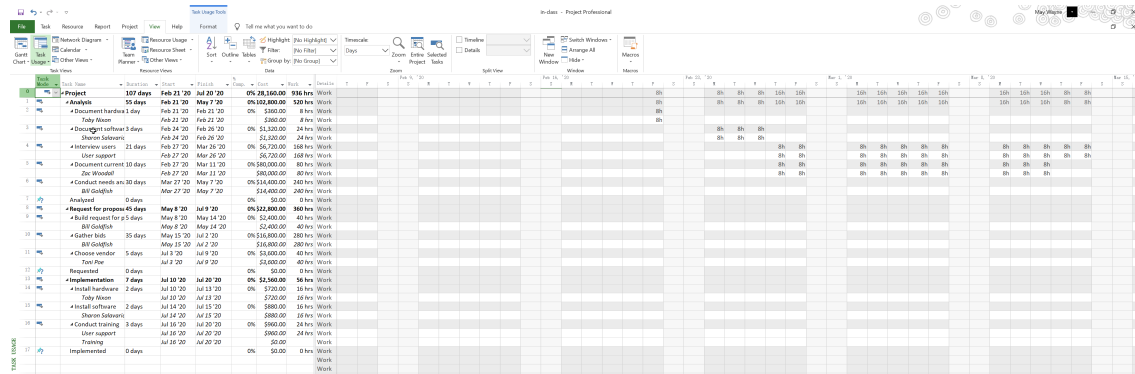
Fig. 3. resource group by task

1.4   task assignment grouped by resource
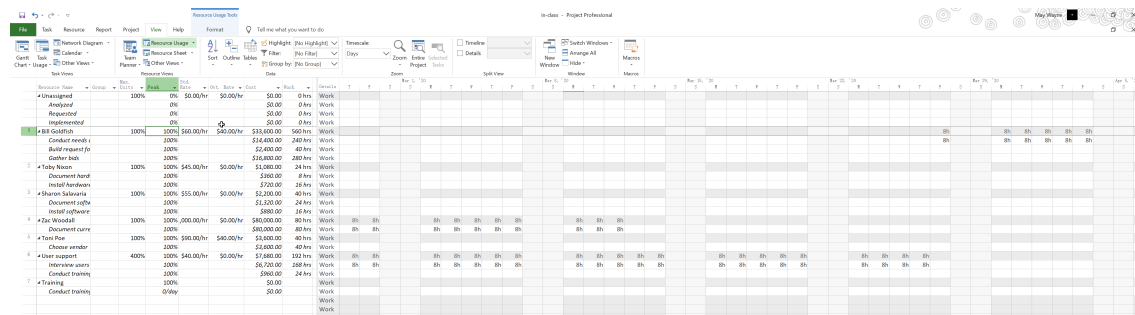
Fig. 4. resource group by resource

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 sam 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

		Resource Name ▼	Group ▼	Max. ▼	Pea ▼	Std. Rate ▼	Ovt. Rate ▼	Cost ▼	Work ▼	Add New Column ▼
1		Meeting Room		100%	100%	$5.00/hr	$5.00/hr	$200.00	40 hrs	
2		Project Manager		100%	100%	$150.00/hr	$180.00/hr	$3,600.00	24 hrs	
3		Product Designer		100%	100%	$80.00/hr	$90.00/hr	$25,600.00	320 hrs	
4		UI Designer		100%	100%	$80.00/hr	$90.00/hr	$6,400.00	80 hrs	
5		Backend Develope		100%	100%	$130.00/hr	$145.00/hr	$31,200.00	240 hrs	
6		Frontend Develop		100%	100%	$120.00/hr	$135.00/hr	$28,800.00	240 hrs	

Fig. 5. Resource sheet

2.2   Task sheet

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

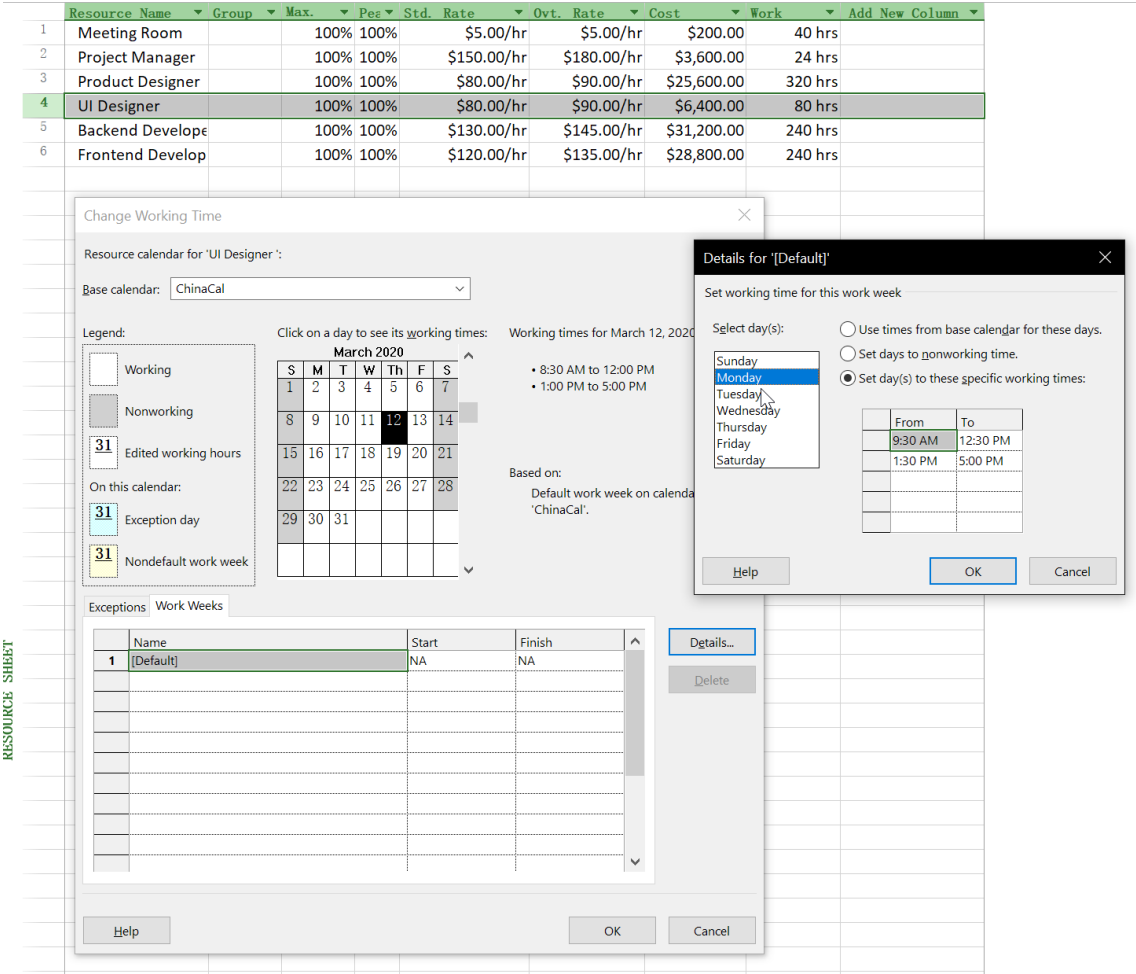## calendar/Working hours changing

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 Developm**	**71.06 days**	**Feb 21 '20**	**Jun 11 '20**	0%	**$99,400.00**	**944 hrs**
1		▲ **Requirements analy**	**6.56 days**	**Feb 21 '20**	**Mar 2 '20**	0%	**$2,600.00**	**56 hrs**
2		▲ Communication and	5 days	Feb 21 '20	Feb 27 '20	0%	$200.00	40 hrs
		Meeting Room		*Feb 21 '20*	*Feb 27 '20*		*$200.00*	*40 hrs*
3		▲ Evaluation and Verification	2 days	Feb 28 '20	Mar 2 '20	0%	$2,400.00	16 hrs
		Project Manager		*Feb 28 '20*	*Mar 2 '20*		*$2,400.00*	*16 hrs*
4		Requirements analysis	0 days	Mar 2 '20	Mar 2 '20	0%	$0.00	0 hrs
5		▲ **Design**	**24.19 days**	**Mar 3 '20**	**Apr 8 '20**	0%	**$16,000.00**	**200 hrs**
6		▲ Design prototype	15 days	Mar 3 '20	Mar 23 '20	0%	$9,600.00	120 hrs
		Product Designe		*Mar 3 '20*	*Mar 23 '20*		*$9,600.00*	*120 hrs*
7		▲ Design UI	10 days	Mar 24 '20	Apr 8 '20	0%	$6,400.00	80 hrs
		UI Designer		*Mar 24 '20*	*Apr 8 '20*		*$6,400.00*	*80 hrs*
8		Complete product design	0 days	Apr 8 '20	Apr 8 '20	0%	$0.00	0 hrs
9		▲ **Development**	**35.44 days**	**Mar 24 '20**	**May 20 '20**	0%	**$60,000.00**	**480 hrs**
10		▲ Backend developm	30 days	Mar 24 '20	May 4 '20	0%	$31,200.00	240 hrs
		Backend Develo		*Mar 24 '20*	*May 4 '20*		*$31,200.00*	*240 hrs*
11		▲ Frontend development	25 days	Apr 8 '20	May 13 '20	0%	$24,000.00	200 hrs
		Frontend Develo		*Apr 8 '20*	*May 13 '20*		*$24,000.00*	*200 hrs*
12		▲ Source merging and compiling	5 days	May 13 '20	May 20 '20	0%	$4,800.00	40 hrs
		Frontend Develo		*May 13 '20*	*May 20 '20*		*$4,800.00*	*40 hrs*
13		Product development	0 days	May 20 '20	May 20 '20	0%	$0.00	0 hrs
14		▲ **Deployment**	**15 days**	**May 20 '20**	**Jun 11 '20**	0%	**$20,800.00**	**208 hrs**
15		▲ Public Beta Testing	5 days	May 20 '20	May 27 '20	0%	$13,200.00	120 hrs
		Product Designe		*May 20 '20*	*May 27 '20*		*$3,200.00*	*40 hrs*
		Backend Develo		*May 20 '20*	*May 27 '20*		*$5,200.00*	*40 hrs*
		Frontend Develo		*May 20 '20*	*May 27 '20*		*$4,800.00*	*40 hrs*
16		▲ Product quality inspection	10 days	May 27 '20	Jun 10 '20	0%	$6,400.00	80 hrs
		Product Designe		*May 27 '20*	*Jun 10 '20*		*$6,400.00*	*80 hrs*
17		▲ Product Release	1 day	Jun 10 '20	Jun 11 '20	0%	$1,200.00	8 hrs
		Project Manager		*Jun 10 '20*	*Jun 11 '20*		*$1,200.00*	*8 hrs*
18		Officially launched product	0 days	Jun 11 '20	Jun 11 '20	0%	$0.00	0 hrs

Fig. 8. Task Summary

	Start Feb 21							

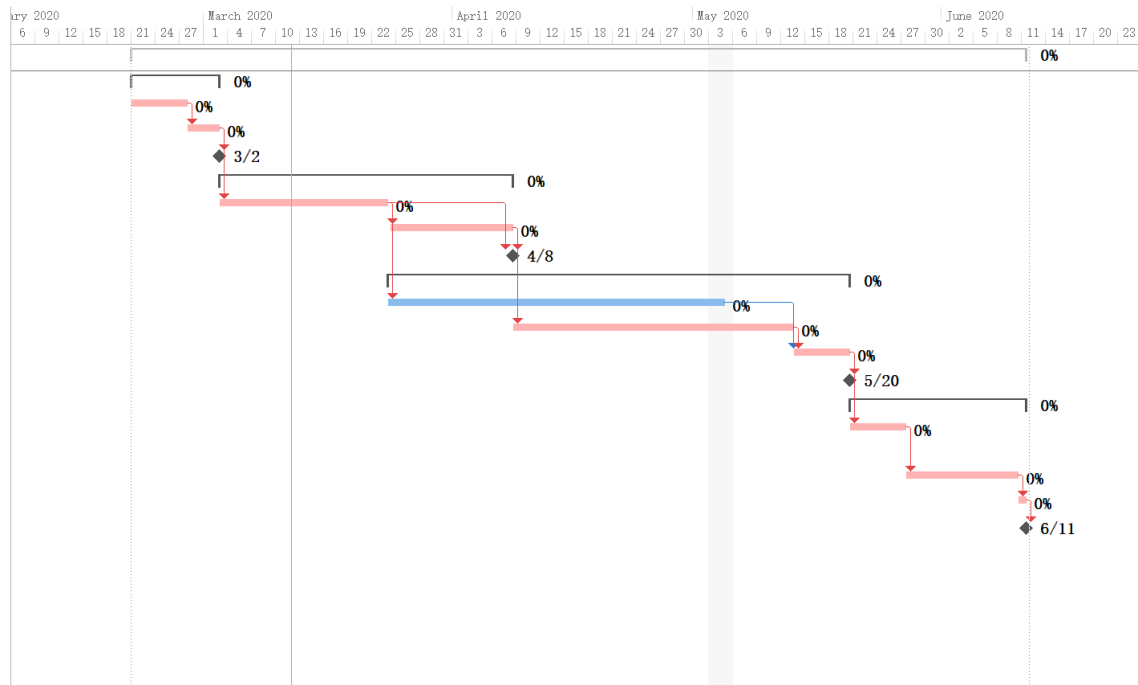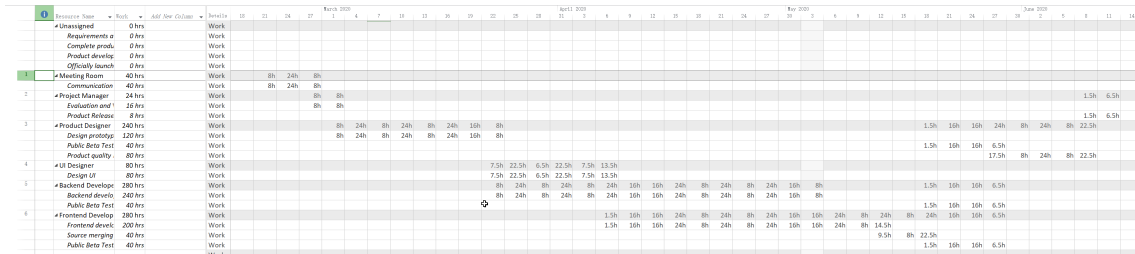| #	Resource Name	Group	Max.	Pea	Std. Rate	Ovt. Rate	Cost	Work
1	Meeting Room		100%	100%	$5.00/hr	$5.00/hr	$200.00	40 hrs
2	Project Manager		100%	100%	$150.00/hr	$180.00/hr	$3,600.00	24 hrs
3	Product Designer		100%	100%	$80.00/hr	$90.00/hr	$19,200.00	240 hrs
4	UI Designer		100%	100%	$80.00/hr	$90.00/hr	$6,400.00	80 hrs
5	Backend Developer		100%	100%	$130.00/hr	$145.00/hr	$36,400.00	280 hrs
6	Frontend Developer		100%	100%	$120.00/hr	$135.00/hr	$33,600.00	280 hrs

Fig. 9. Resource Summary

Fig. 10. Gantt Chart1

Fig. 11. Gantt Chart2

Fig. 12. Resource usage plan