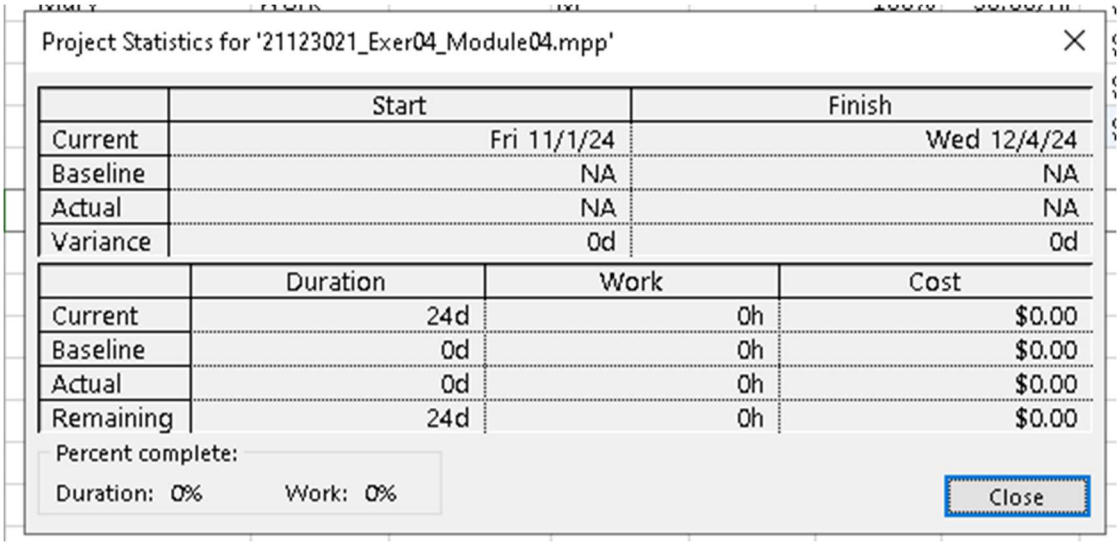
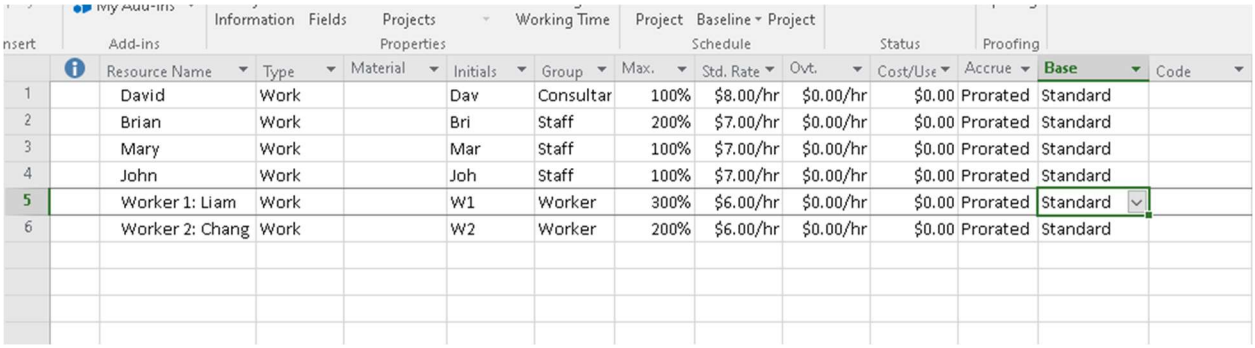
MODULE 4: Assigning the Resource for a Project

Exercise 1. Entering work resource

- **Project information**

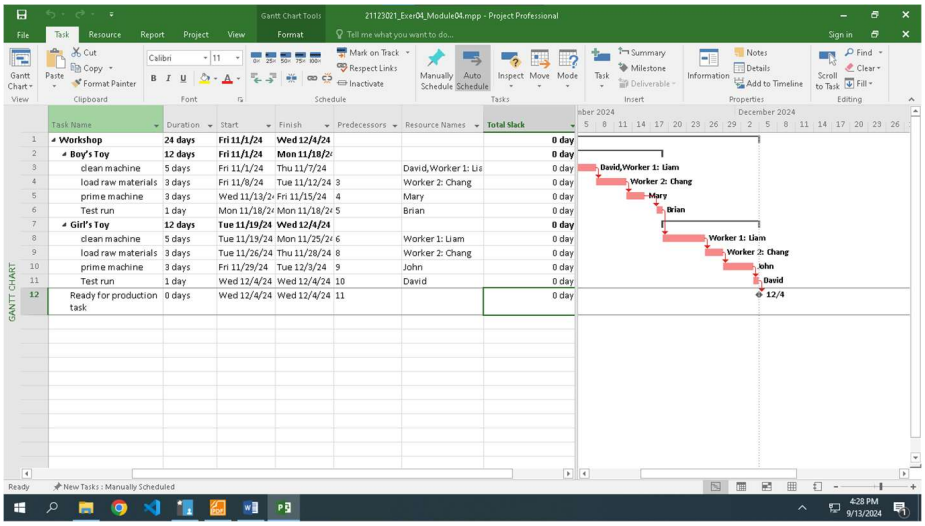


- **Resource Sheet**



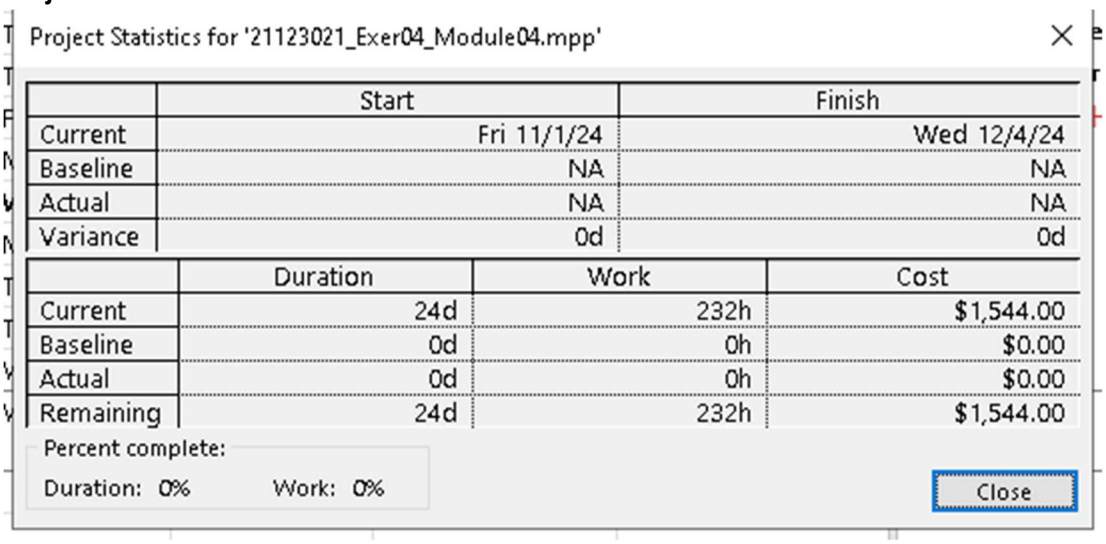
	Resource Name	Type	Material	Initials	Group	Max.	Std. Rate	Ovt.	Cost/Use	Accrue	Base	Code
1	David	Work		Dav	Consultar	100%	$8.00/hr	$0.00/hr	$0.00	Prorated	Standard	
2	Brian	Work		Bri	Staff	200%	$7.00/hr	$0.00/hr	$0.00	Prorated	Standard	
3	Mary	Work		Mar	Staff	100%	$7.00/hr	$0.00/hr	$0.00	Prorated	Standard	
4	John	Work		Joh	Staff	100%	$7.00/hr	$0.00/hr	$0.00	Prorated	Standard	
5	Worker 1: Liam	Work		W1	Worker	300%	$6.00/hr	$0.00/hr	$0.00	Prorated	Standard	
6	Worker 2: Chang	Work		W2	Worker	200%	$6.00/hr	$0.00/hr	$0.00	Prorated	Standard	

- **Gant chart**



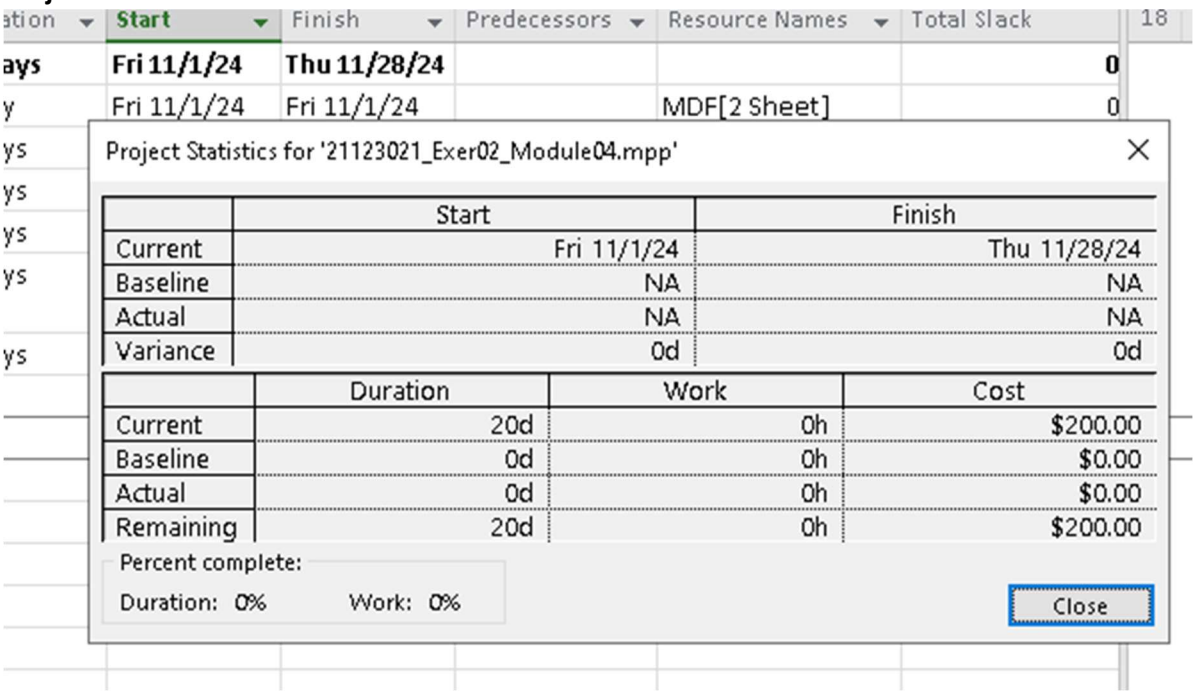
	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Total Slack
1	Workshop	24 days	Fri 11/1/24	Wed 12/4/24			0 day
2	Boy's Toy	12 days	Fri 11/1/24	Mon 11/18/2			0 day
3	clean machine	5 days	Fri 11/1/24	Thu 11/7/24		David,Worker 1: Lia	0 day
4	load raw materials	3 days	Fri 11/8/24	Tue 11/12/24	3	Worker 2: Chang	0 day
5	prime machine	3 days	Wed 11/13/2	Fri 11/15/24	4	Mary	0 day
6	Test run	1 day	Mon 11/18/2	Mon 11/18/2	5	Brian	0 day
7	Girl's Toy	12 days	Tue 11/19/24	Wed 12/4/24			0 day
8	clean machine	5 days	Tue 11/19/24	Mon 11/25/2	6	Worker 1: Liam	0 day
9	load raw materials	3 days	Tue 11/26/24	Thu 11/28/24	8	Worker 2: Chang	0 day
10	prime machine	3 days	Fri 11/29/24	Tue 12/3/24	9	John	0 day
11	Test run	1 day	Wed 12/4/24	Wed 12/4/24	10	David	0 day
12	Ready for production task	0 days	Wed 12/4/24	Wed 12/4/24	11		0 day

- **Project Information**

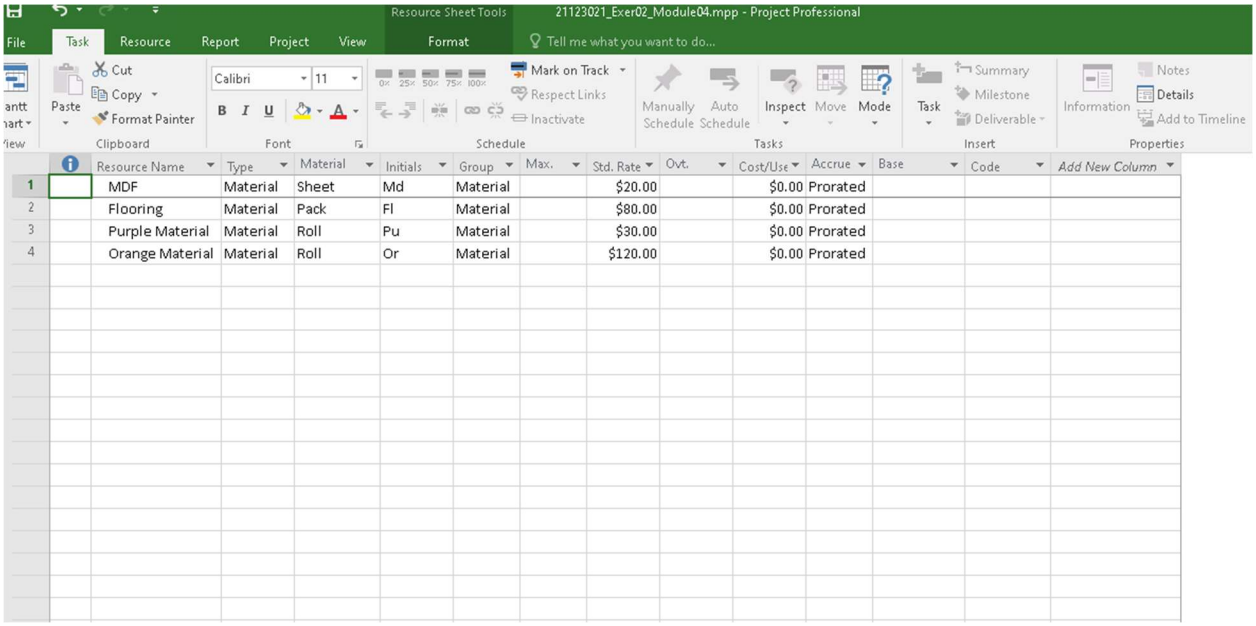


Exercise 2. Entering work resource

- **Project information**

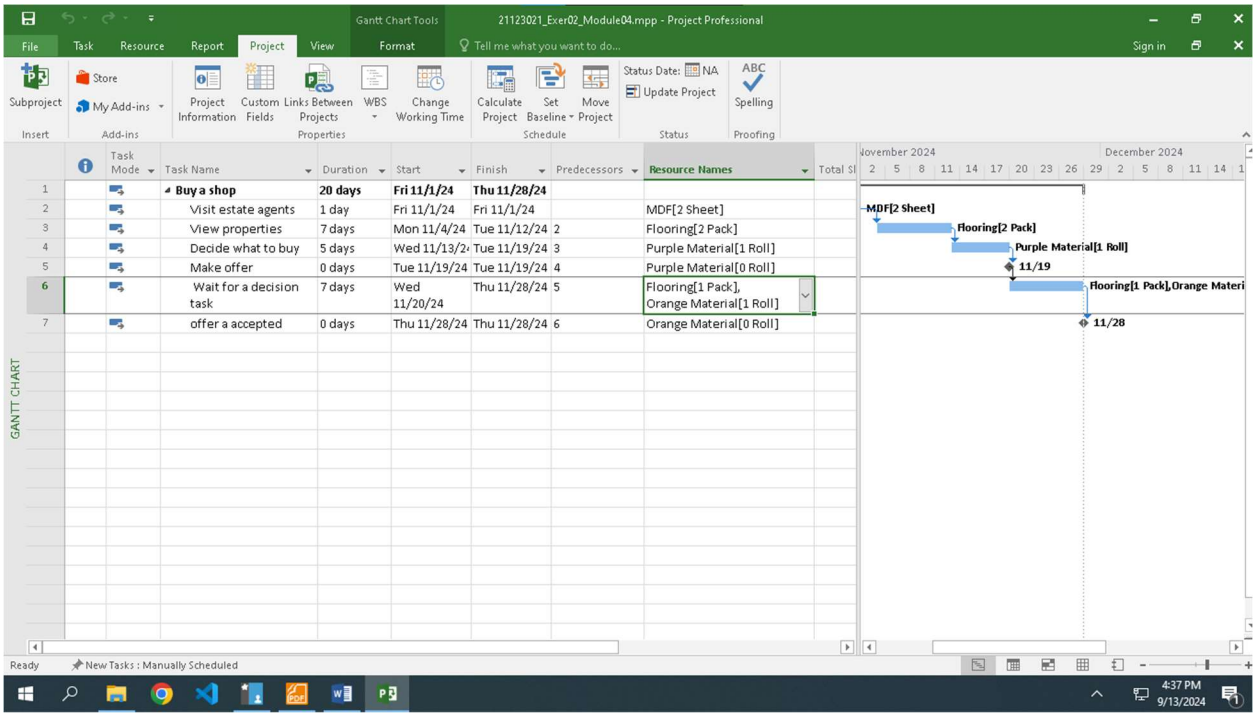


- **Resource Sheet**



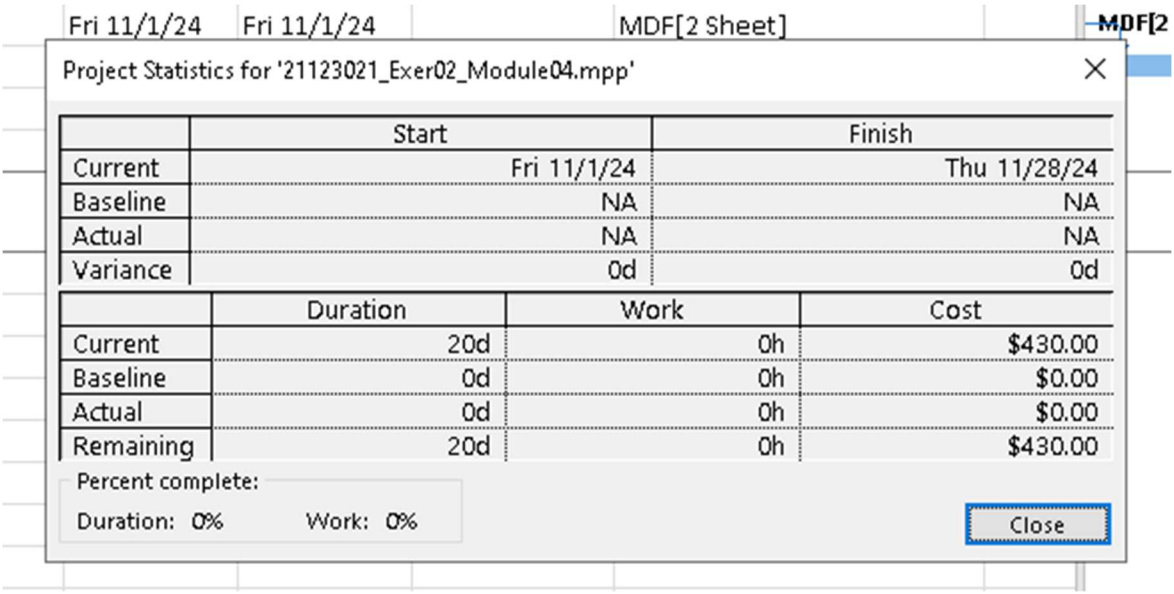
	Resource Name	Type	Material	Initials	Group	Max.	Std. Rate	Ovt.	Cost/Use	Accrue	Base	Code	Add New Column
1	MDF	Material	Sheet	Md	Material		$20.00		$0.00	Prorated			
2	Flooring	Material	Pack	Fl	Material		$80.00		$0.00	Prorated			
3	Purple Material	Material	Roll	Pu	Material		$30.00		$0.00	Prorated			
4	Orange Material	Material	Roll	Or	Material		$120.00		$0.00	Prorated			

- **Gant Chart**



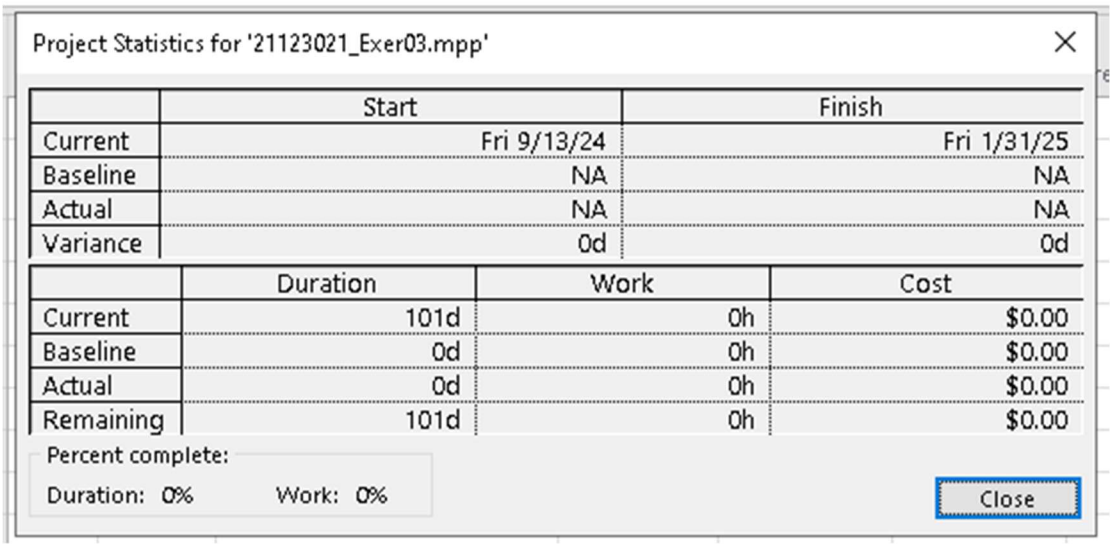
	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1		**Buy a shop**	**20 days**	**Fri 11/1/24**	**Thu 11/28/24**		
2		Visit estate agents	1 day	Fri 11/1/24	Fri 11/1/24		MDF[2 Sheet]
3		View properties	7 days	Mon 11/4/24	Tue 11/12/24	2	Flooring[2 Pack]
4		Decide what to buy	5 days	Wed 11/13/2	Tue 11/19/24	3	Purple Material[1 Roll]
5		Make offer	0 days	Tue 11/19/24	Tue 11/19/24	4	Purple Material[0 Roll]
6		Wait for a decision task	7 days	Wed 11/20/24	Thu 11/28/24	5	Flooring[1 Pack], Orange Material[1 Roll]
7		offer a accepted	0 days	Thu 11/28/24	Thu 11/28/24	6	Orange Material[0 Roll]

- **Project information**



Exercise 3. Entering work resource

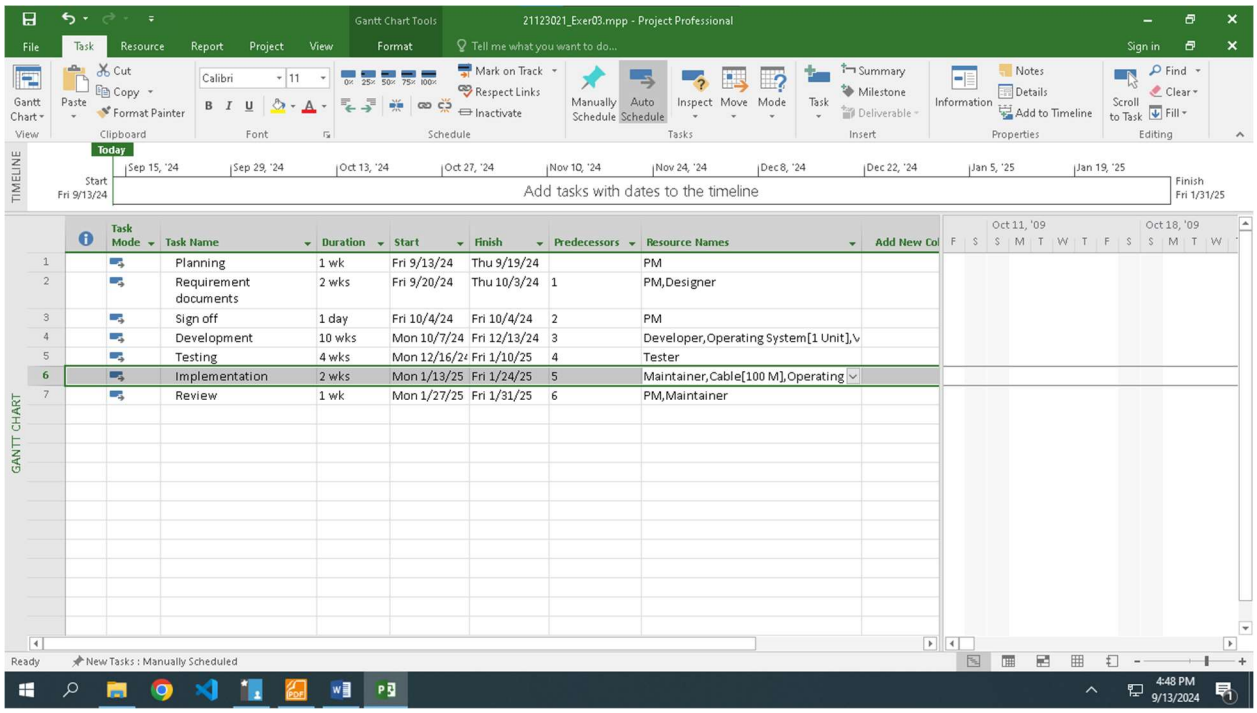
- **Project information**



- **Resource Sheet**

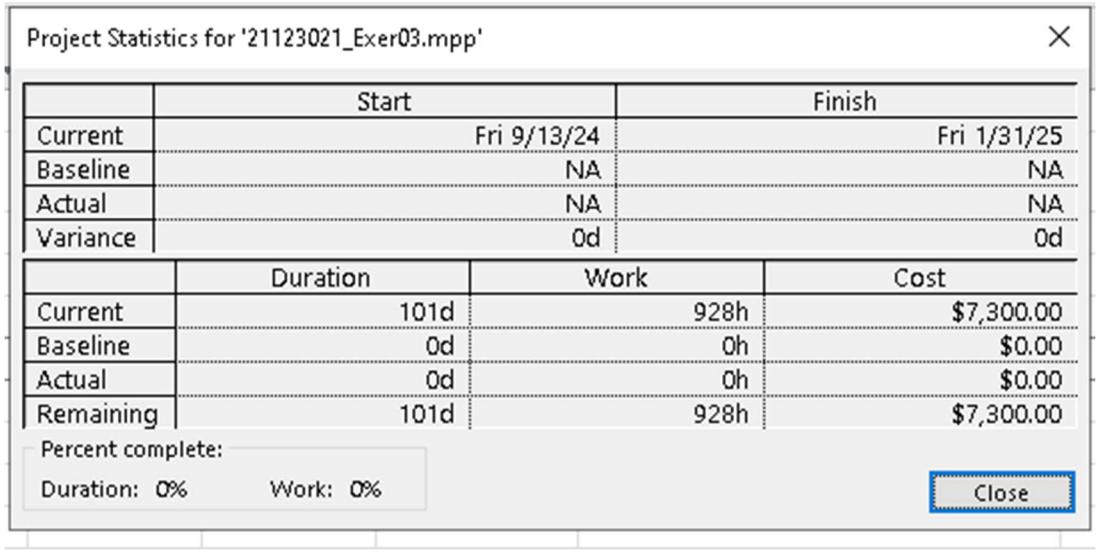
	Resource Name	Type	Material	Initials	Group	Max.	Std.	Ovt.	Cost/Use	Accrue	Base	Code
1	PM	Work		PM	Sponsor	100%	$10.00/hr	$0.00/hr	$0.00	Prorated	Standard	
2	Designer	Work		Ds	Staff	100%	$6.00/hr	$0.00/hr	$0.00	Prorated	Standard	
3	Developer	Work		Dp	Staff	100%	$8.00/hr	$0.00/hr	$0.00	Prorated	Standard	
4	Tester	Work		Tt	Staff	100%	$6.00/hr	$0.00/hr	$0.00	Prorated	Standard	
5	Maintainer	Work		M	Staff	100%	$5.00/hr	$0.00/hr	$0.00	Prorated	Standard	
6	Operating System	Material	Unit	OS	Material		$120.00		$0.00	Prorated		
7	Internet Provider	Material	Unit	ISP	Material		$100.00		$0.00	Prorated		
8	Cable	Material	M	Cb	Material		$1.00		$0.00	Prorated		
9	Visual Studio	Material	Unit	VS	Material		$20.00		$0.00	Prorated		

- **Gant Chart**



	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1		Planning	1 wk	Fri 9/13/24	Thu 9/19/24		PM
2		Requirement documents	2 wks	Fri 9/20/24	Thu 10/3/24	1	PM,Designer
3		Sign off	1 day	Fri 10/4/24	Fri 10/4/24	2	PM
4		Development	10 wks	Mon 10/7/24	Fri 12/13/24	3	Developer,Operating System[1 Unit],V
5		Testing	4 wks	Mon 12/16/24	Fri 1/10/25	4	Tester
6		Implementation	2 wks	Mon 1/13/25	Fri 1/24/25	5	Maintainer,Cable[100 M],Operating
7		Review	1 wk	Mon 1/27/25	Fri 1/31/25	6	PM,Maintainer

- **Project information**



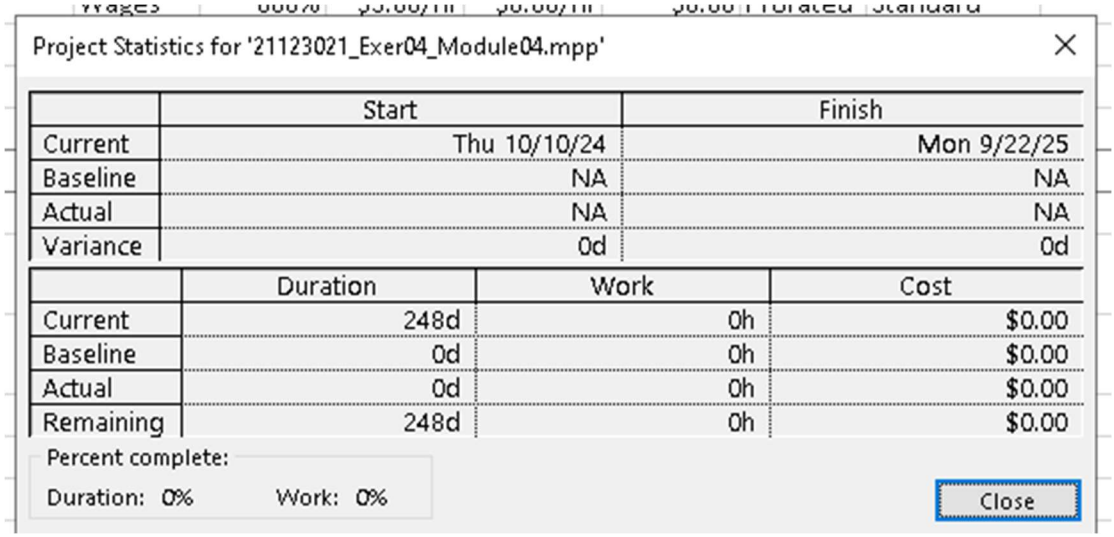
	Start	Finish
Current	Fri 9/13/24	Fri 1/31/25
Baseline	NA	NA
Actual	NA	NA
Variance	0d	0d

	Duration	Work	Cost
Current	101d	928h	$7,300.00
Baseline	0d	0h	$0.00
Actual	0d	0h	$0.00
Remaining	101d	928h	$7,300.00

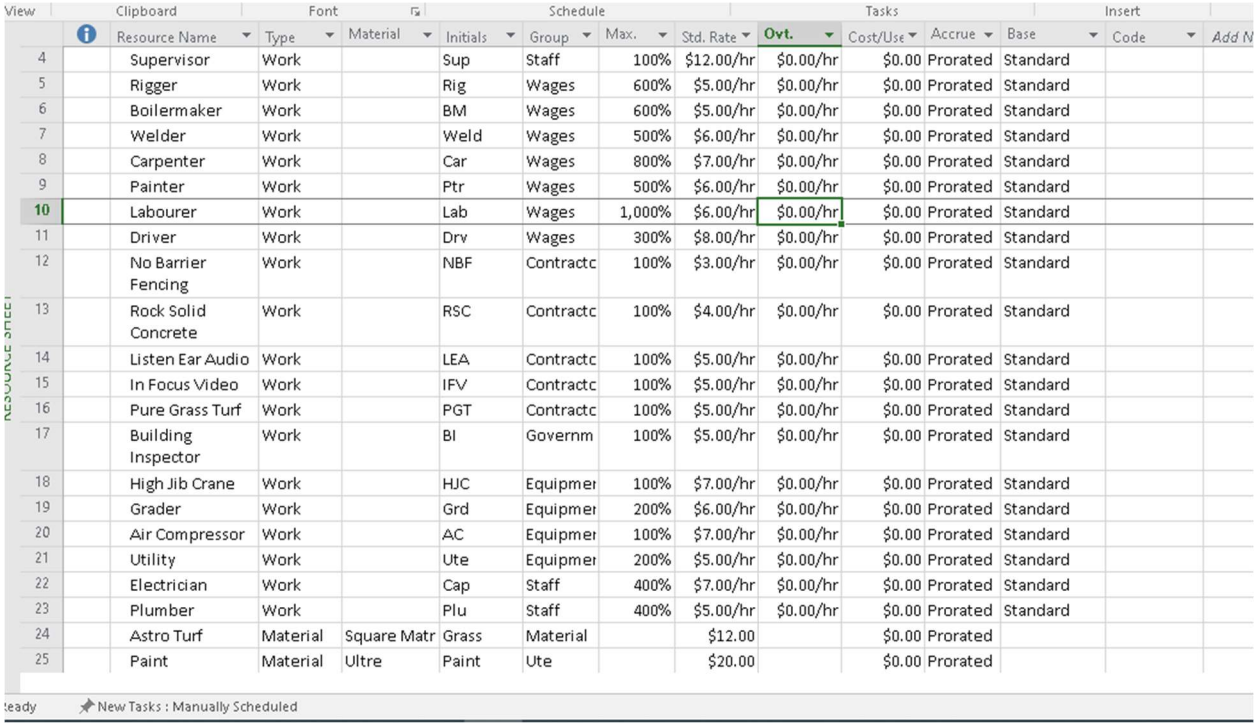
Percent complete:
Duration: 0% Work: 0%

Exercise 4. Entering work resource

- **Project information**

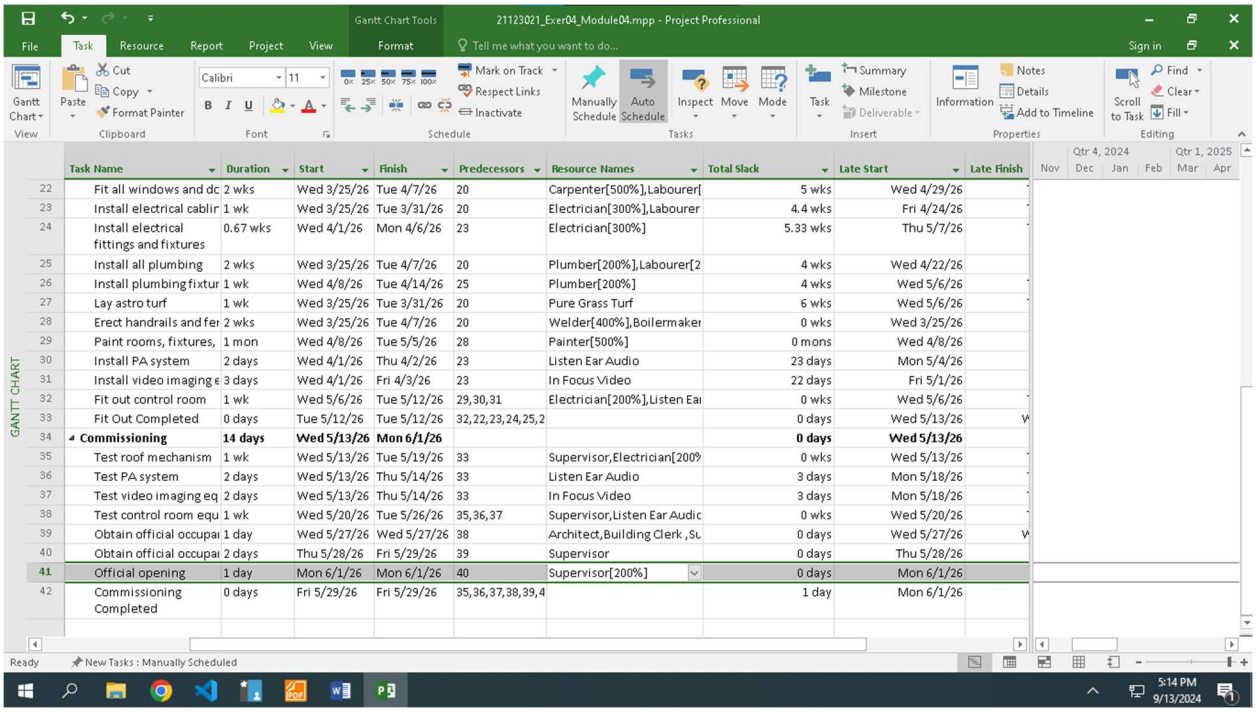


- **Resource Sheet**



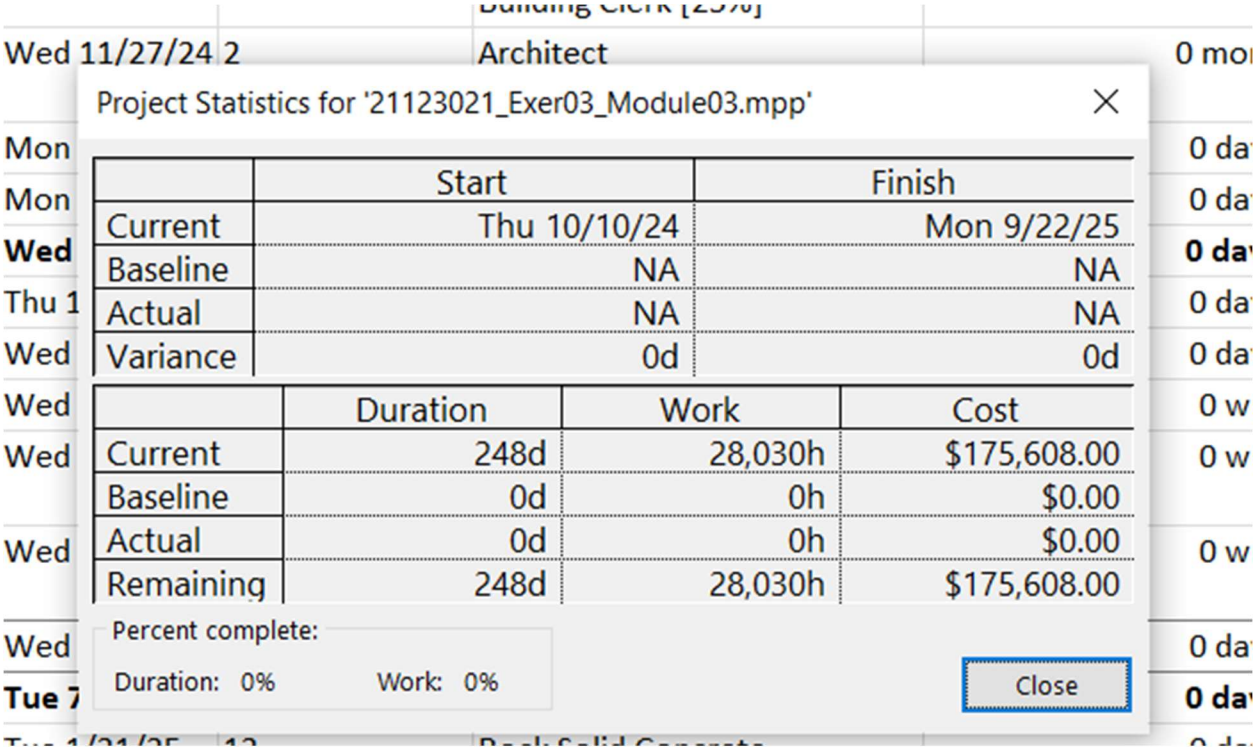
	Resource Name	Type	Material	Initials	Group	Max.	Std. Rate	Ovt.	Cost/Use	Accrue	Base	Code
4	Supervisor	Work		Sup	Staff	100%	$12.00/hr	$0.00/hr	$0.00	Prorated	Standard	
5	Rigger	Work		Rig	Wages	600%	$5.00/hr	$0.00/hr	$0.00	Prorated	Standard	
6	Boilermaker	Work		BM	Wages	600%	$5.00/hr	$0.00/hr	$0.00	Prorated	Standard	
7	Welder	Work		Weld	Wages	500%	$6.00/hr	$0.00/hr	$0.00	Prorated	Standard	
8	Carpenter	Work		Car	Wages	800%	$7.00/hr	$0.00/hr	$0.00	Prorated	Standard	
9	Painter	Work		Ptr	Wages	500%	$6.00/hr	$0.00/hr	$0.00	Prorated	Standard	
10	Labourer	Work		Lab	Wages	1,000%	$6.00/hr	$0.00/hr	$0.00	Prorated	Standard	
11	Driver	Work		Drv	Wages	300%	$8.00/hr	$0.00/hr	$0.00	Prorated	Standard	
12	No Barrier Fencing	Work		NBF	Contractc	100%	$3.00/hr	$0.00/hr	$0.00	Prorated	Standard	
13	Rock Solid Concrete	Work		RSC	Contractc	100%	$4.00/hr	$0.00/hr	$0.00	Prorated	Standard	
14	Listen Ear Audio	Work		LEA	Contractc	100%	$5.00/hr	$0.00/hr	$0.00	Prorated	Standard	
15	In Focus Video	Work		IFV	Contractc	100%	$5.00/hr	$0.00/hr	$0.00	Prorated	Standard	
16	Pure Grass Turf	Work		PGT	Contractc	100%	$5.00/hr	$0.00/hr	$0.00	Prorated	Standard	
17	Building Inspector	Work		BI	Governm	100%	$5.00/hr	$0.00/hr	$0.00	Prorated	Standard	
18	High Jib Crane	Work		HJC	Equipmer	100%	$7.00/hr	$0.00/hr	$0.00	Prorated	Standard	
19	Grader	Work		Grd	Equipmer	200%	$6.00/hr	$0.00/hr	$0.00	Prorated	Standard	
20	Air Compressor	Work		AC	Equipmer	100%	$7.00/hr	$0.00/hr	$0.00	Prorated	Standard	
21	Utility	Work		Ute	Equipmer	200%	$5.00/hr	$0.00/hr	$0.00	Prorated	Standard	
22	Electrician	Work		Cap	Staff	400%	$7.00/hr	$0.00/hr	$0.00	Prorated	Standard	
23	Plumber	Work		Plu	Staff	400%	$5.00/hr	$0.00/hr	$0.00	Prorated	Standard	
24	Astro Turf	Material	Square Matr	Grass	Material		$12.00		$0.00	Prorated		
25	Paint	Material	Ultre	Paint	Ute		$20.00		$0.00	Prorated		

- **Gant Chart**



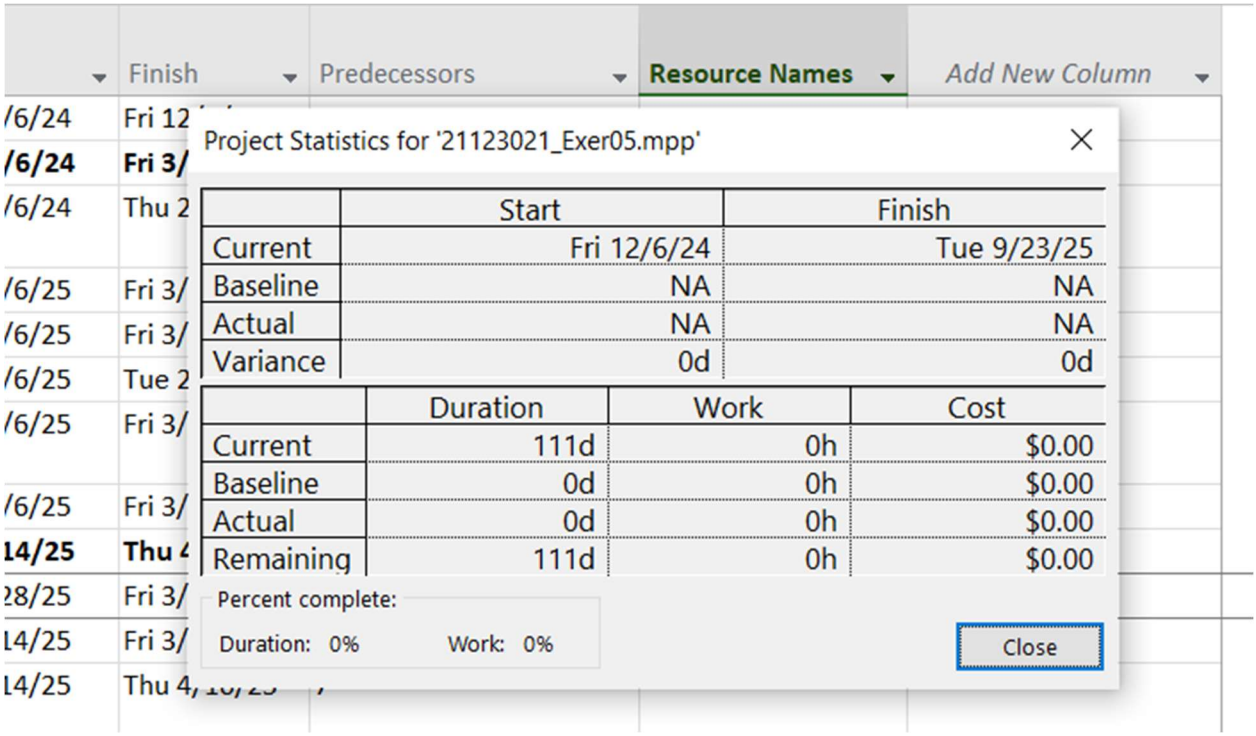
	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Total Slack	Late Start	Late Finish
22	Fit all windows and dc	2 wks	Wed 3/25/26	Tue 4/7/26	20	Carpenter[500%],Labourer[	5 wks	Wed 4/29/26	
23	Install electrical cablir	1 wk	Wed 3/25/26	Tue 3/31/26	20	Electrician[300%],Labourer	4.4 wks	Fri 4/24/26	
24	Install electrical fittings and fixtures	0.67 wks	Wed 4/1/26	Mon 4/6/26	23	Electrician[300%]	5.33 wks	Thu 5/7/26	
25	Install all plumbing	2 wks	Wed 3/25/26	Tue 4/7/26	20	Plumber[200%],Labourer[2	4 wks	Wed 4/22/26	
26	Install plumbing fixtur	1 wk	Wed 4/8/26	Tue 4/14/26	25	Plumber[200%]	4 wks	Wed 5/6/26	
27	Lay astro turf	1 wk	Wed 3/25/26	Tue 3/31/26	20	Pure Grass Turf	6 wks	Wed 5/6/26	
28	Erect handrails and fer	2 wks	Wed 3/25/26	Tue 4/7/26	20	Welder[400%],Boilermaker	0 wks	Wed 3/25/26	
29	Paint rooms, fixtures,	1 mon	Wed 4/8/26	Tue 5/5/26	28	Painter[500%]	0 mons	Wed 4/8/26	
30	Install PA system	2 days	Wed 4/1/26	Thu 4/2/26	23	Listen Ear Audio	23 days	Mon 5/4/26	
31	Install video imaging e	3 days	Wed 4/1/26	Fri 4/3/26	23	In Focus Video	22 days	Fri 5/1/26	
32	Fit out control room	1 wk	Wed 5/6/26	Tue 5/12/26	29,30,31	Electrician[200%],Listen Ear	0 wks	Wed 5/6/26	
33	Fit Out Completed	0 days	Tue 5/12/26	Tue 5/12/26	32,22,23,24,25,2		0 days	Wed 5/13/26	W
34	**Commissioning**	**14 days**	**Wed 5/13/26**	**Mon 6/1/26**			**0 days**	**Wed 5/13/26**	
35	Test roof mechanism	1 wk	Wed 5/13/26	Tue 5/19/26	33	Supervisor,Electrician[200%	0 wks	Wed 5/13/26	
36	Test PA system	2 days	Wed 5/13/26	Thu 5/14/26	33	Listen Ear Audio	3 days	Mon 5/18/26	
37	Test video imaging eq	2 days	Wed 5/13/26	Thu 5/14/26	33	In Focus Video	3 days	Mon 5/18/26	
38	Test control room equ	1 wk	Wed 5/20/26	Tue 5/26/26	35,36,37	Supervisor,Listen Ear Audic	0 wks	Wed 5/20/26	
39	Obtain official occupar	1 day	Wed 5/27/26	Wed 5/27/26	38	Architect,Building Clerk ,Su	0 days	Wed 5/27/26	W
40	Obtain official occupar	2 days	Thu 5/28/26	Fri 5/29/26	39	Supervisor	0 days	Thu 5/28/26	
41	Official opening	1 day	Mon 6/1/26	Mon 6/1/26	40	Supervisor[200%]	0 days	Mon 6/1/26	
42	Commissioning Completed	0 days	Fri 5/29/26	Fri 5/29/26	35,36,37,38,39,4		1 day	Mon 6/1/26	

- **Project information**

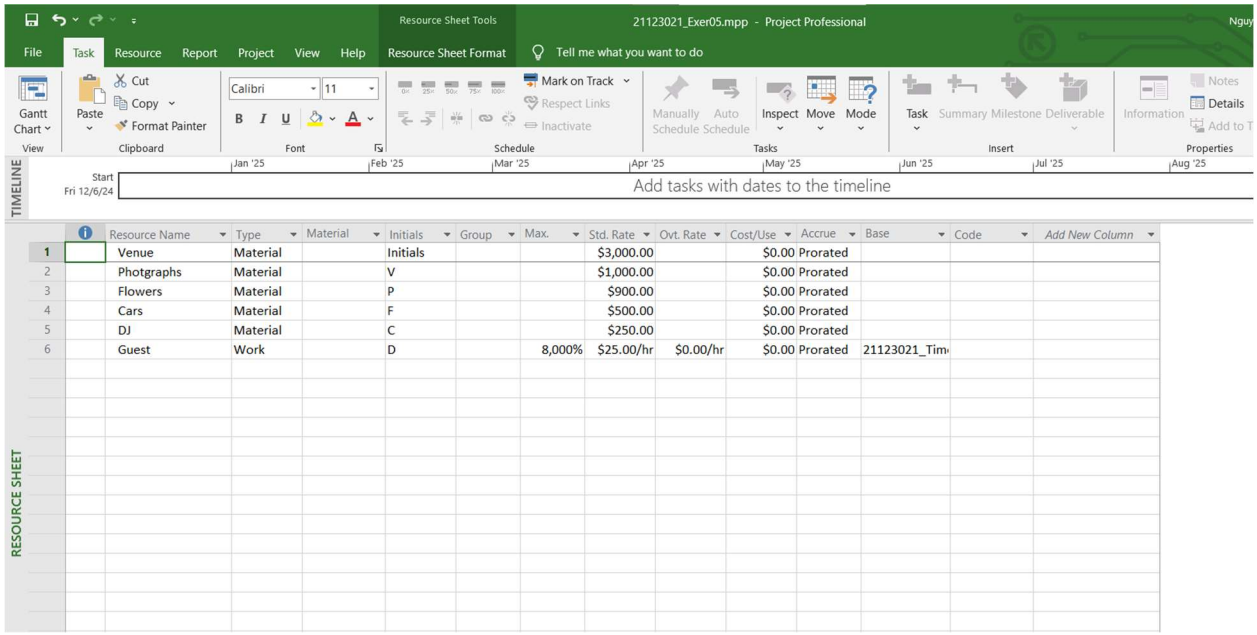


Exercise 5. Capture the Project Information before and after assigning the resource.

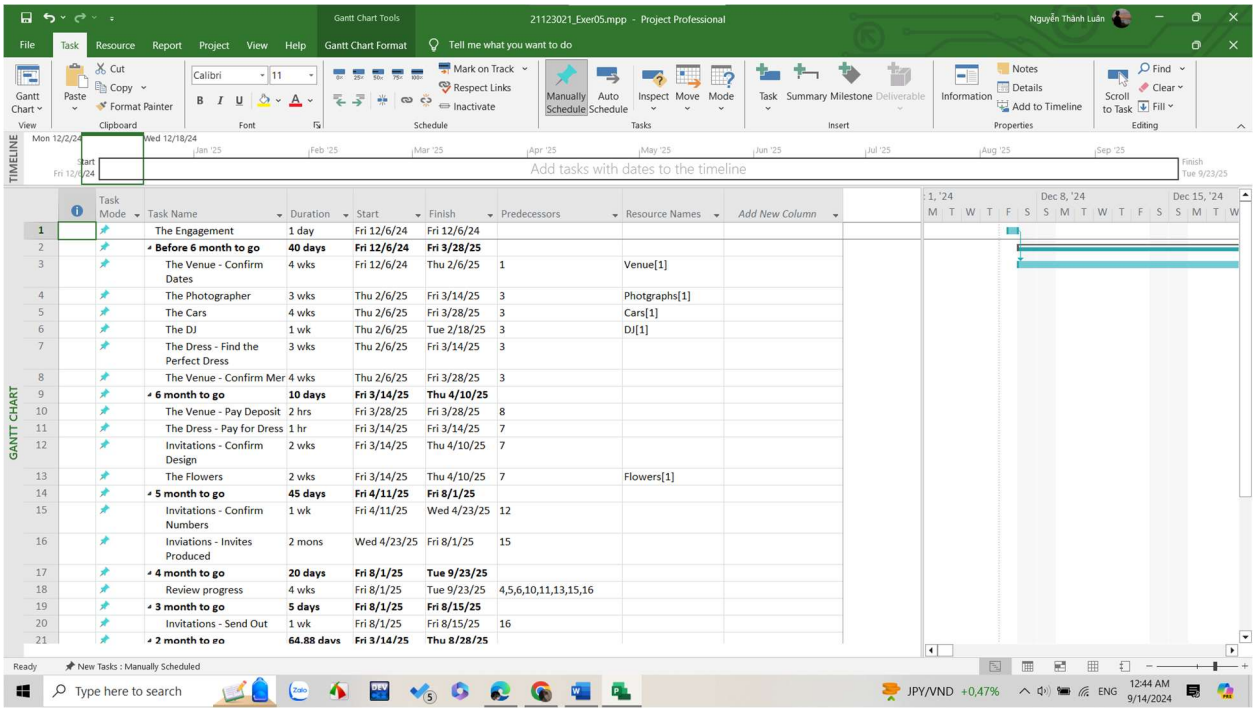
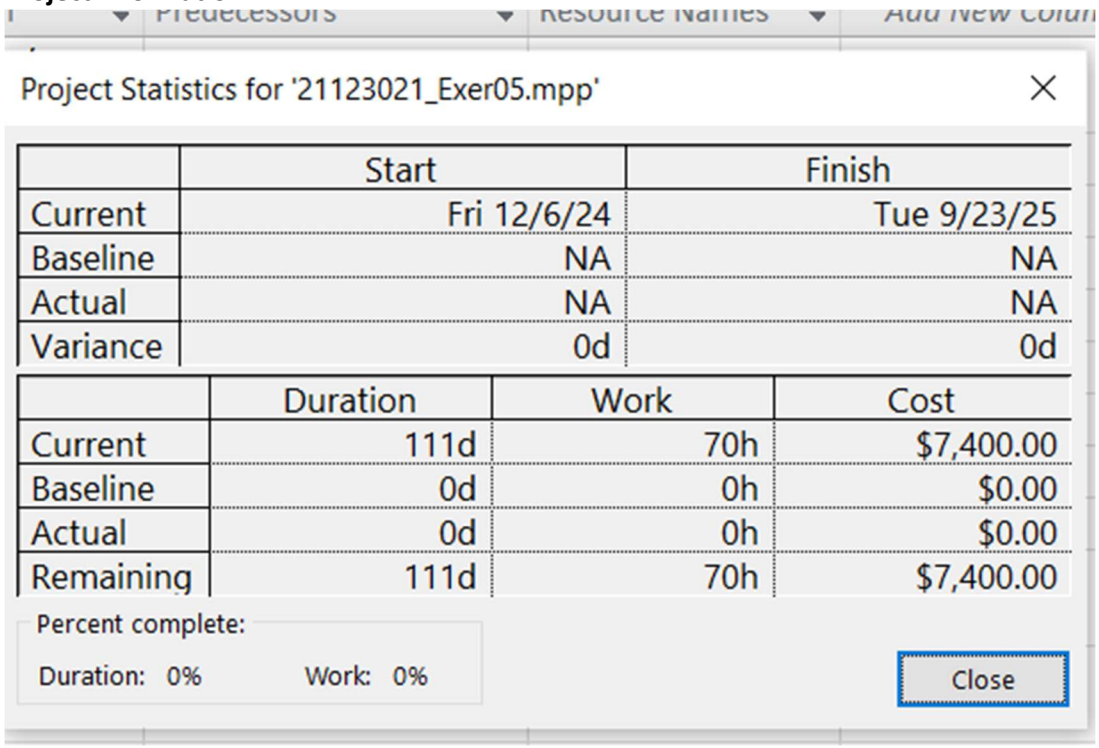
- Project information



- **Resource Sheet**



- **Gant Chart**



- **Project information**