LAB 1&2

Project Budget Split: $500,000 for Work and $500,000 for Materials

To make sure the project was split evenly between $500,000 for labor and $500,000 for materials, here's what I did:

Work (Labor):

I assigned roles like Project Manager, Developer, and Testers to different tasks, with hourly rates for each role.
I also added a higher-paid resource, like an Executive Consultant, to help balance out the labor costs.
I assigned these people to tasks like Development, Testing, and Documentation, so that the total labor cost added up to exactly $500,000.
Materials:

For materials

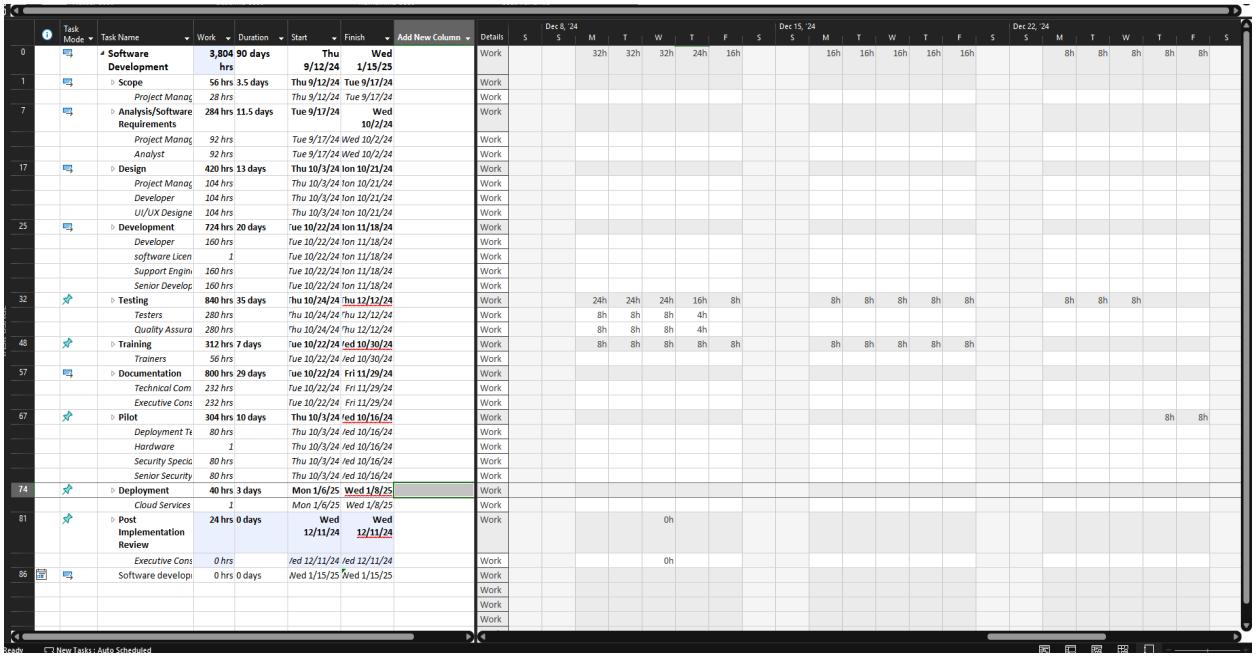
, I added items like Software Licenses, Cloud Services, and Hardware.
These materials were assigned to tasks like Deployment and Development, and I made sure their total cost was also $500,000.

Resource Sheet

RESOURCE SHEET

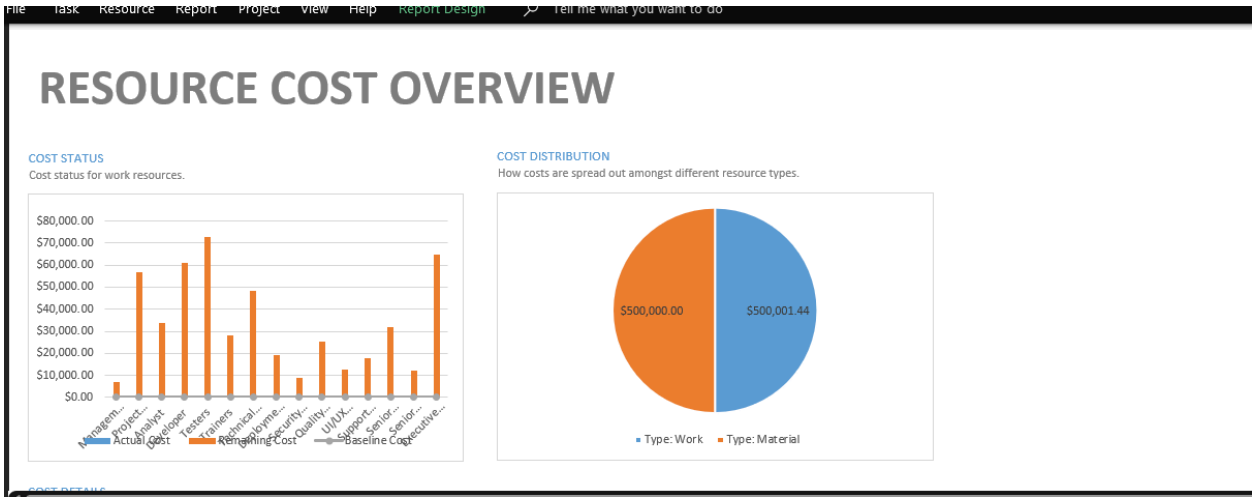
	Resource Name	Type	Material	Initials	Group	Max.	Std. Rate	Ovt.	Cost/Use	Accrue	Base
1	Management	Work		M		100%	$160.00/hr	$0.00/hr	$0.00	Prorated	Standard
2	Project Manager	Work		P		200%	$180.00/hr	$0.00/hr	$0.00	Prorated	Standard
3	Analyst	Work		A		200%	$150.00/hr	$0.00/hr	$0.00	Prorated	Standard
4	Developer	Work		D		300%	$120.00/hr	$0.00/hr	$0.00	Prorated	Standard
5	Testers	Work		T		300%	$130.00/hr	$0.00/hr	$0.00	Prorated	Standard
6	Trainers	Work		T		400%	$90.00/hr	$0.00/hr	$0.00	Prorated	Standard
7	Technical Communicators	Work		T		300%	$85.00/hr	$0.00/hr	$0.00	Prorated	Standard
8	Deployment Team	Work		D		100%	$110.00/hr	$0.00/hr	$0.00	Prorated	Standard
9	software Licenses	Material		s			200,000.00		$0.00	Prorated	
10	Cloud Services	Material		C			150,000.00		$0.00	Prorated	
11	Hardware	Material		H			150,000.00		$0.00	Prorated	
12	Security Specialist	Work		S		100%	$110.00/hr	$0.00/hr	$0.00	Prorated	Standard
13	Quality Assurance	Work		Q		100%	$90.00/hr	$0.00/hr	$0.00	Prorated	Standard
14	UI/UX Designer	Work		U		100%	$120.00/hr	$0.00/hr	$0.00	Prorated	Standard
15	Support Engineer	Work		S		100%	$110.00/hr	$0.00/hr	$0.00	Prorated	Standard
16	Senior Developer	Work		S		100%	$200.01/hr	$0.00/hr	$0.00	Prorated	Standard
17	Senior Security Analyst	Work		S		100%	$150.01/hr	$0.00/hr	$0.00	Prorated	Standard
18	Executive Consultant	Work		E		100%	$253.59/hr	$0.00/hr	$0.00	Prorated	Standard

Task usage:



	Task Mode	Task Name	Work	Duration	Start	Finish	Add New Column	Details
0		**Software Development**	**3,804 hrs**	**90 days**	**Thu 9/12/24**	**Wed 1/15/25**		Work
1		**Scope**	**56 hrs**	**3.5 days**	**Thu 9/12/24**	**Tue 9/17/24**		Work
		Project Manag	*28 hrs*		*Thu 9/12/24*	*Tue 9/17/24*		Work
7		**Analysis/Software Requirements**	**284 hrs**	**11.5 days**	**Tue 9/17/24**	**Wed 10/2/24**		Work
		Project Manag	*92 hrs*		*Tue 9/17/24*	*Wed 10/2/24*		Work
		Analyst	*92 hrs*		*Tue 9/17/24*	*Wed 10/2/24*		Work
17		**Design**	**420 hrs**	**13 days**	**Thu 10/3/24**	**Mon 10/21/24**		Work
		Project Manag	*104 hrs*		*Thu 10/3/24*	*Mon 10/21/24*		Work
		Developer	*104 hrs*		*Thu 10/3/24*	*Mon 10/21/24*		Work
		UI/UX Designe	*104 hrs*		*Thu 10/3/24*	*Mon 10/21/24*		Work
25		**Development**	**724 hrs**	**20 days**	**Tue 10/22/24**	**Mon 11/18/24**		Work
		Developer	*160 hrs*		*Tue 10/22/24*	*Mon 11/18/24*		Work
		software Licen	*1*		*Tue 10/22/24*	*Mon 11/18/24*		Work
		Support Engin	*160 hrs*		*Tue 10/22/24*	*Mon 11/18/24*		Work
		Senior Develop	*160 hrs*		*Tue 10/22/24*	*Mon 11/18/24*		Work
32		**Testing**	**840 hrs**	**35 days**	**Thu 10/24/24**	**Thu 12/12/24**		Work
		Testers	*280 hrs*		*Thu 10/24/24*	*Thu 12/12/24*		Work
		Quality Assura	*280 hrs*		*Thu 10/24/24*	*Thu 12/12/24*		Work
48		**Training**	**312 hrs**	**7 days**	**Tue 10/22/24**	**Wed 10/30/24**		Work
		Trainers	*56 hrs*		*Tue 10/22/24*	*Wed 10/30/24*		Work
57		**Documentation**	**800 hrs**	**29 days**	**Tue 10/22/24**	**Fri 11/29/24**		Work
		Technical Com	*232 hrs*		*Tue 10/22/24*	*Fri 11/29/24*		Work
		Executive Cons	*232 hrs*		*Tue 10/22/24*	*Fri 11/29/24*		Work
67		**Pilot**	**304 hrs**	**10 days**	**Thu 10/3/24**	**Wed 10/16/24**		Work
		Deployment Te	*80 hrs*		*Thu 10/3/24*	*Wed 10/16/24*		Work
		Hardware	*1*		*Thu 10/3/24*	*Wed 10/16/24*		Work
		Security Specia	*80 hrs*		*Thu 10/3/24*	*Wed 10/16/24*		Work
		Senior Security	*80 hrs*		*Thu 10/3/24*	*Wed 10/16/24*		Work
74		**Deployment**	**40 hrs**	**3 days**	**Mon 1/6/25**	**Wed 1/8/25**		Work
		Cloud Services	*1*		*Mon 1/6/25*	*Wed 1/8/25*		Work
81		**Post Implementation Review**	**24 hrs**	**0 days**	**Wed 12/11/24**	**Wed 12/11/24**		Work
		Executive Cons	*0 hrs*		*Wed 12/11/24*	*Wed 12/11/24*		Work
86		Software develop	0 hrs	0 days	Wed 1/15/25	Wed 1/15/25		Work

Cost of work and material graph:

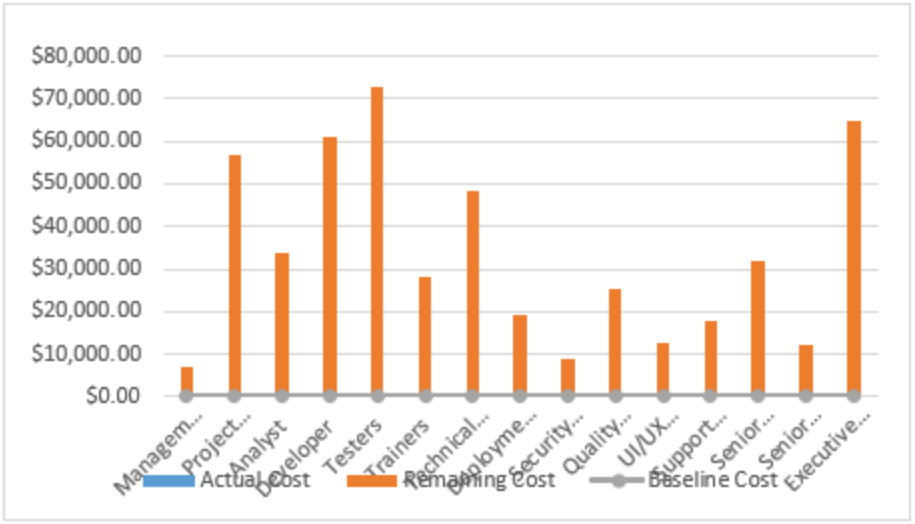


RESOURCE COST OVERVIEW

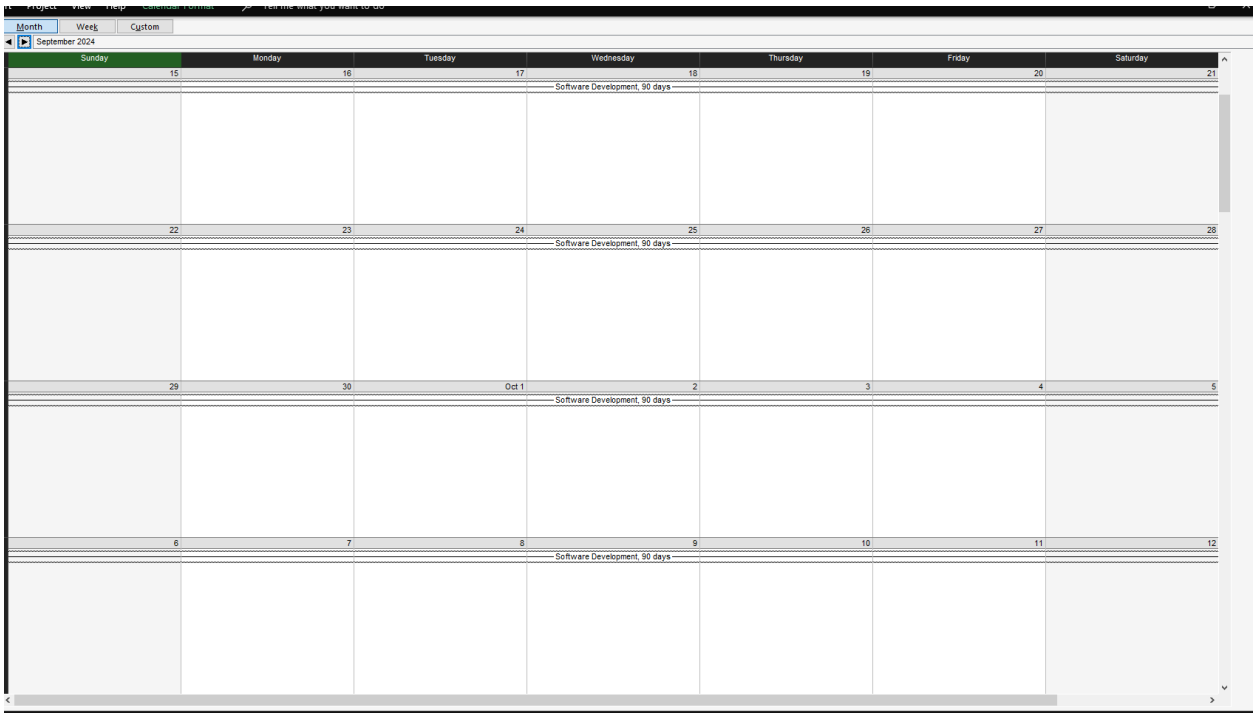
COST STATUS

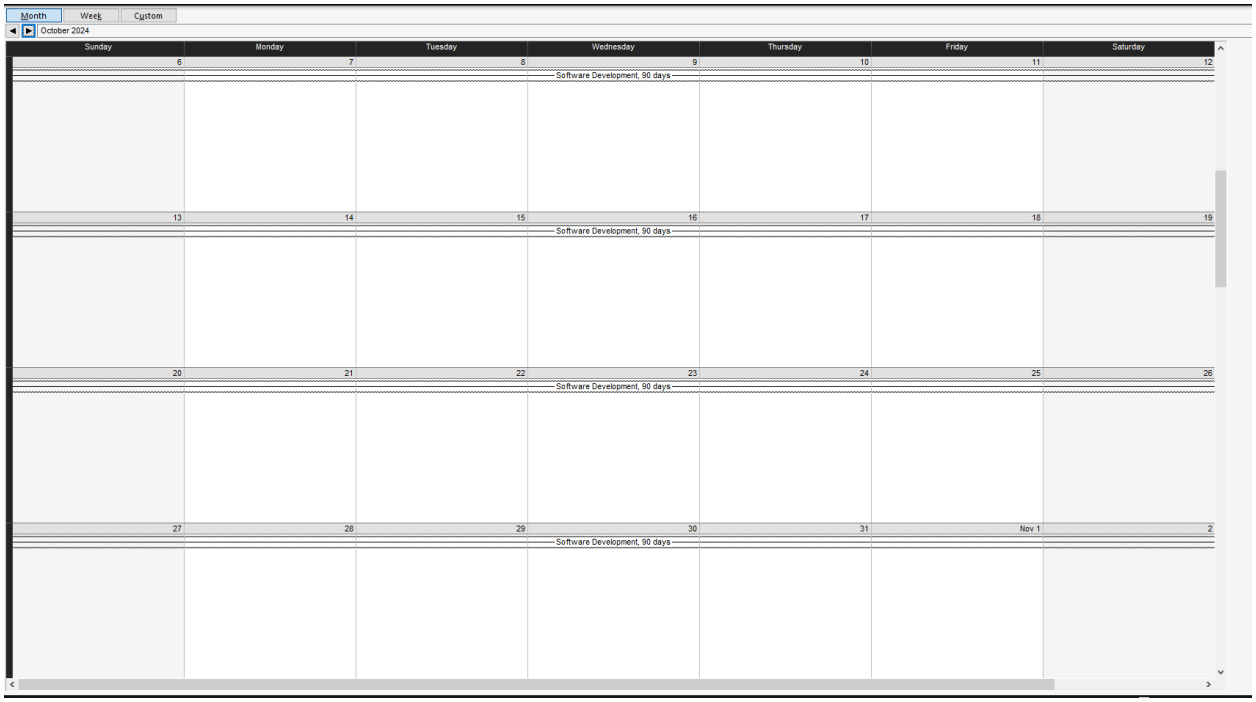
Cost status for work resources.

How costs are spread out ar



Calendar:




Month
Week
Custom
October 2024
Sunday
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Software Development, 90 days
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Software Development, 90 days
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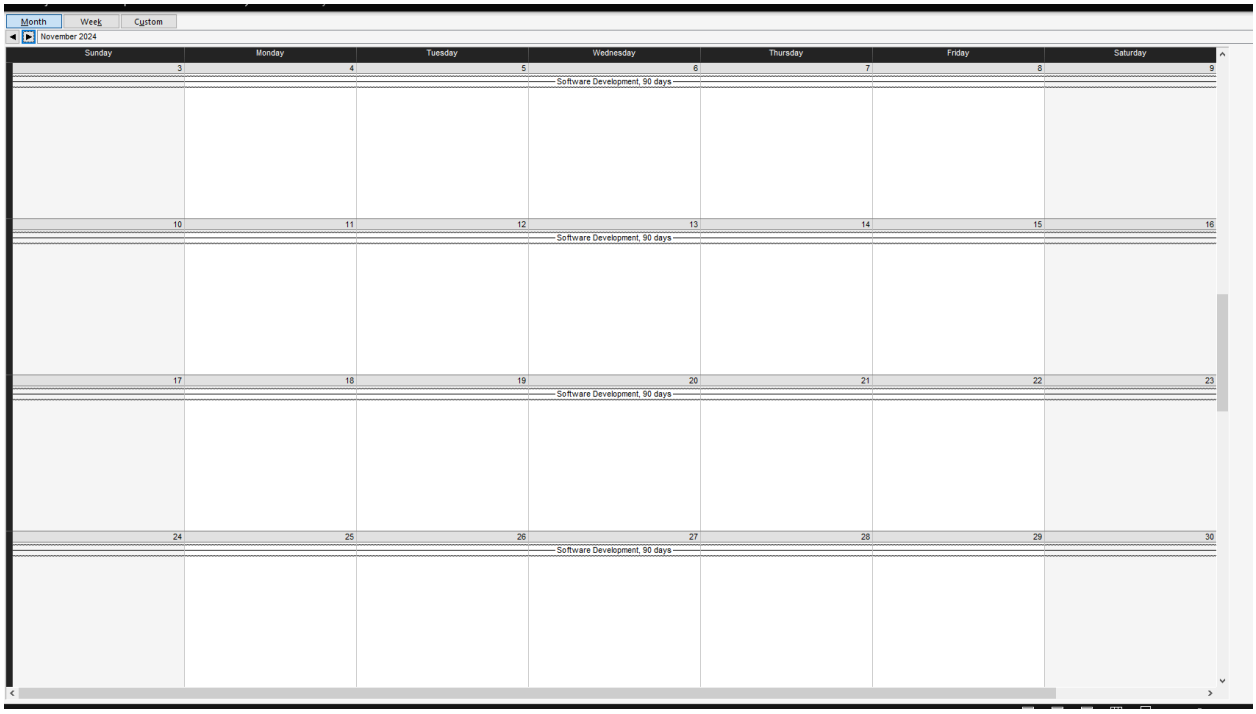
Software Development, 90 days
27
28
29
30
31
Nov 1
2
Software Development, 90 days


Month
Week
Custom
November 2024
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Software Development, 90 days
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Software Development, 90 days
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Software Development, 90 days
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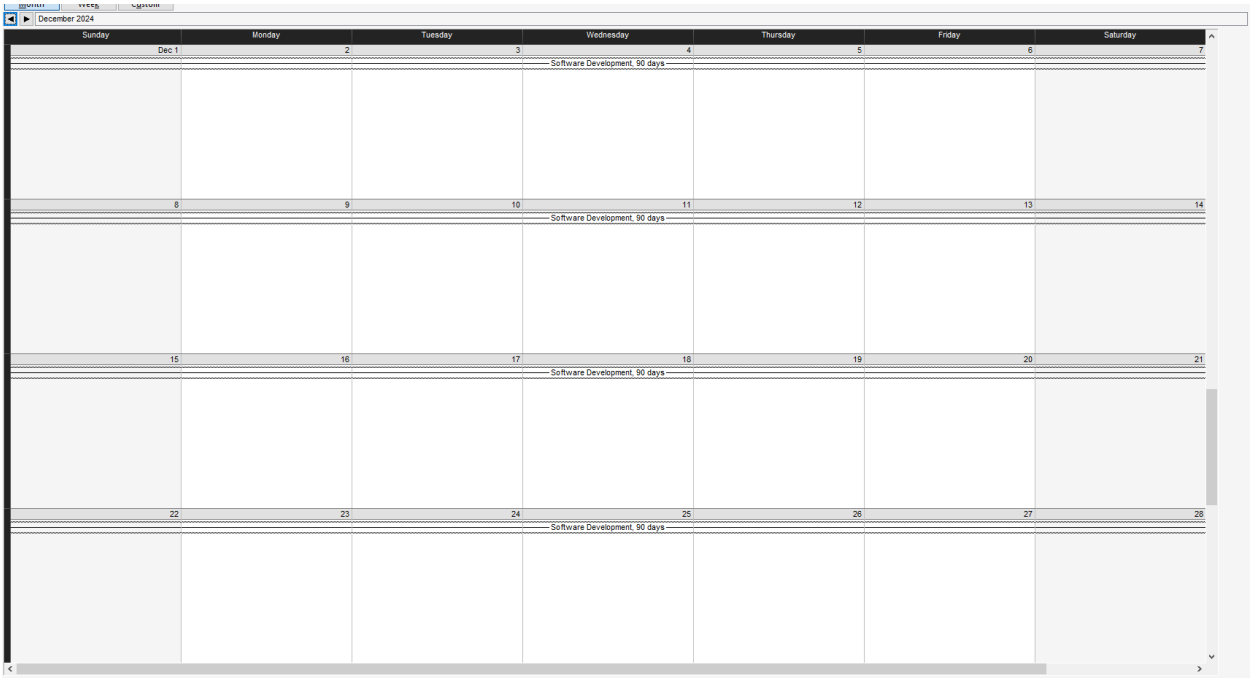
Software Development, 90 days


December 2024
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Software Development, 90 days
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Software Development, 90 days
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Software Development, 90 days
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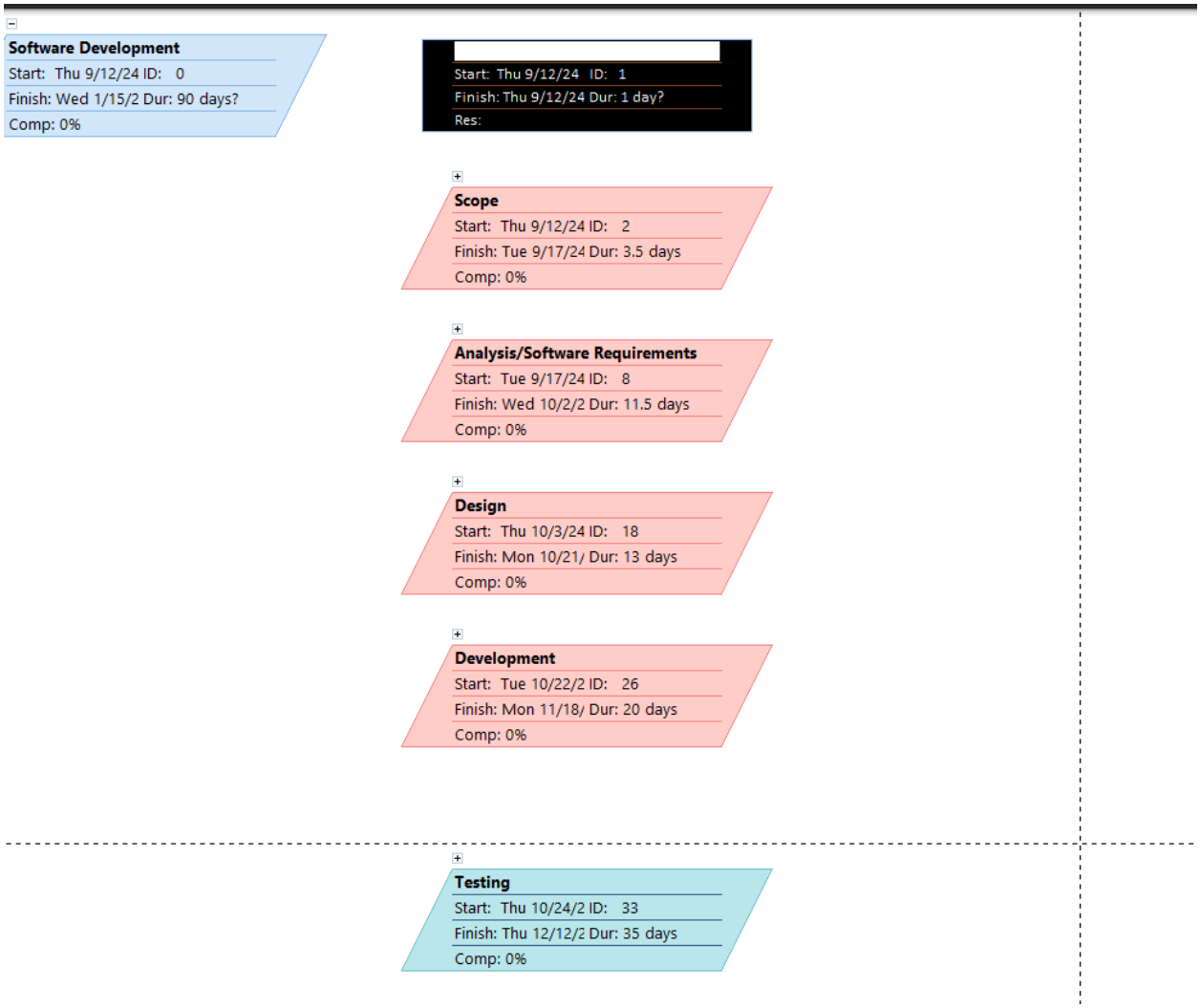
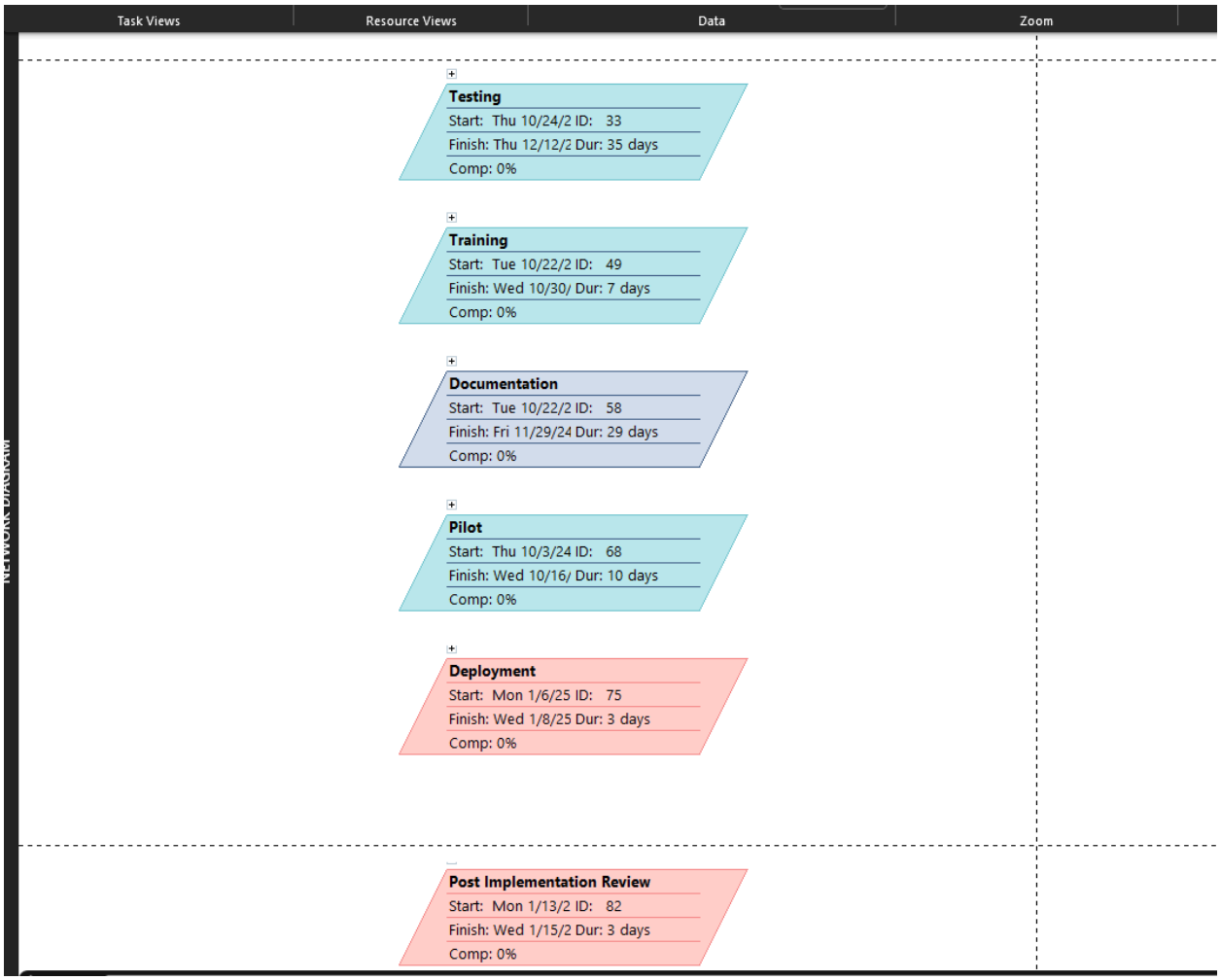
Software Development, 90 days

Network Diagram:




Task Views
Resource Views
Data
Zoom
NETWORK DIAGRAM
Testing
Start: Thu 10/24/2 ID: 33
Finish: Thu 12/12/2 Dur: 35 days
Comp: 0%
Training
Start: Tue 10/22/2 ID: 49
Finish: Wed 10/30/ Dur: 7 days
Comp: 0%
Documentation
Start: Tue 10/22/2 ID: 58
Finish: Fri 11/29/24 Dur: 29 days
Comp: 0%
Pilot
Start: Thu 10/3/24 ID: 68
Finish: Wed 10/16/ Dur: 10 days
Comp: 0%
Deployment
Start: Mon 1/6/25 ID: 75
Finish: Wed 1/8/25 Dur: 3 days
Comp: 0%
Post Implementation Review
Start: Mon 1/13/2 ID: 82
Finish: Wed 1/15/2 Dur: 3 days
Comp: 0%

THU 9/12/24 - WED 1/15/25

COST

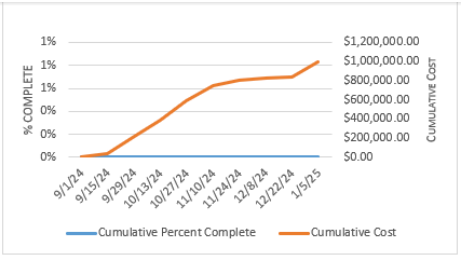
$1,000,001.44

REMAINING COST

$1,000,001.44

% COMPLETE

0%



COST STATUS

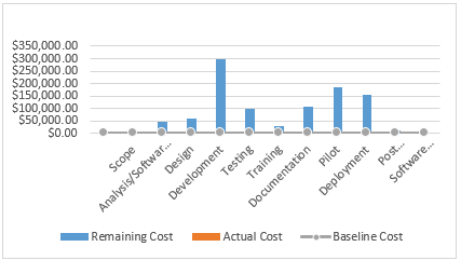
Cost status for top level tasks.

Name	Actual Cost	Remaining Cost	Baseline Cost	Cost	Cost Variance
	$0.00	$0.00	$0.00	$0.00	$0.00
Scope	$0.00	$9,840.00	$0.00	$9,840.00	$9,840.00
Analysis/Software Requirements	$0.00	$46,600.00	$0.00	$46,600.00	$46,600.00
Design	$0.00	$60,280.00	$0.00	$60,280.00	$60,280.00
Development	$0.00	$298,081.60	$0.00	$298,081.60	$298,081.60
Testing	$0.00	$98,000.00	$0.00	$98,000.00	$98,000.00
Training	$0.00	$28,080.00	$0.00	$28,080.00	$28,080.00
Documentation	$0.00	$107,112.88	$0.00	$107,112.88	$107,112.88
Pilot	$0.00	$187,200.80	$0.00	$187,200.80	$187,200.80
Deployment	$0.00	$154,400.00	$0.00	$154,400.00	$154,400.00
Post Implementation Review	$0.00	$10,406.16	$0.00	$10,406.16	$10,406.16
Software development	$0.00	$0.00	$0.00	$0.00	$0.00

COST STATUS

Cost status for all top-level tasks. Is your baseline zero?

Try setting as baseline

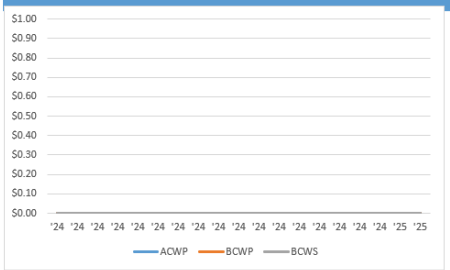


EARNED VALUE

Earned value management helps you quantify the performance of a project. It compares costs and schedules to a baseline to determine if the project is on track.

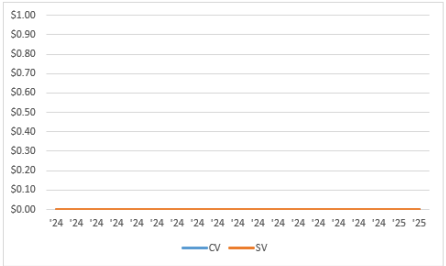
If the charts don't look right, make sure you have set a baseline, assigned costs to tasks or resources, and entered progress.

EAC	ACWP	BCWP
$1,000,001.44	$0.00	$0.00



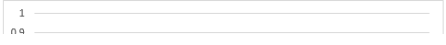
The project's earned value based on the status date. If actual cost (ACWP) is higher than earned value (BCWP), then the project is over budget. If planned value (BCWS) is higher than earned value, then the project is behind schedule.

Learn more about earned value



VARIANCE OVER TIME

Cost and schedule variances for the project based on status date. If CV is negative then, the project is over budget. If SV is positive then the project is behind schedule.



INDICES OVER TIME

Cost and schedule performance indices for the project based on status date. The greater the performance index, the more on schedule and cost