







































ID	 Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	S	Sep
0		Discovery Tool Software Development	68 days	Mon 9/3/18	Tue 12/4/18				
1		Exploration Phase I	21 days	Mon 9/3/18	Sun 9/23/18				
2		Populate the WinBook	10 days	Mon 9/10/18	Wed 9/19/18		Operational Concept Eng		
3		Win-win session #1: Discuss and clarify client's needs	2 days	Mon 9/17/18	Tue 9/18/18		Feasibility Analyst,II V&V,Life Cycle		
4		Conduct risk analysis and develop risk mitigation plan	3 days	Fri 9/21/18	Sun 9/23/18	3	Feasibility Analyst,Life Cycle		
5		Develop use cases	4 days	Wed 9/19/18	Sat 9/22/18	3	Feasibility Analyst,Life C		
6		Valuation Phase I	3 days	Fri 9/21/18	Sun 9/23/18				
7		Win-win session #2: Develop initial concept description	1 day	Fri 9/21/18	Fri 9/21/18	3	Feasibility Analyst,II V&V,Life Cycle		
8		Validate crawling based trend identifier	1 day	Fri 9/21/18	Fri 9/21/18	3	Prototyper,Software Arc		
9		Validate API based trend identifier	3 days	Fri 9/21/18	Sun 9/23/18	3	Prototyper,Software Arc		
10		Foundations Phase I	5 days	Mon 9/24/18	Fri 9/28/18				
11		Design preliminary system	2 days	Mon 9/24/18	Tue 9/25/18	3,7,5	System Architect,Softwa		
12		Investigate Facebook API for API based trend crawler prototyping	4 days	Mon 9/24/18	Thu 9/27/18	3,7,5	Prototyper		
13		Investigate Twitter API, build feed crawler prototype	4 days	Mon 9/24/18	Thu 9/27/18	3,7,5	Prototyper		
14		Prototype Google Trends feed crawler	4 days	Mon 9/24/18	Thu 9/27/18	3,7,5	Prototyper		
15		Prototype competitor performance analysis with ShareCount API	4 days	Mon 9/24/18	Thu 9/27/18	3,7,5	Prototyper		
16		Prototype frontend UI in Sketch, Invision, and Balsamiq	4 days	Mon 9/24/18	Thu 9/27/18	3,7,5	Prototyper		
17		Implement presentation slide deck	4 days	Mon 9/24/18	Thu 9/27/18	3,7,5	Project Manager,Prototy		

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18		Update risk and risk mitigation plan	4 days	Mon 9/24/18	Thu 9/27/18		Feasibility Analyst,Life C		
19		Make initial drafts for project documentation	4 days	Mon 9/24/18	Thu 9/27/18	3,7,5	Requirement Engineer		
20		Conduct prototype presentation	1 day	Fri 9/28/18	Fri 9/28/18	11,12,13,14,15,16	Feasibility Analyst,II V&V		
21		Weekly Jira Individual Survey Submission	79 days	Mon 9/17/18	Tue 12/4/18		Feasibility Analyst,II V&		
34		Weekly Team Meeting	78 days	Tue 9/18/18	Tue 12/4/18		Feasibility Analyst,II V&		
47		Bi-weekly Team Progress Report	84 days	Thu 9/6/18	Wed 11/28/18		Feasibility Analyst,II V&		
54		Bi-weekly Team Risk and Defects Report	84 days	Thu 9/6/18	Wed 11/28/18		Feasibility Analyst,II V&		
61		Bi-weekly Project Plan Update	84 days	Thu 9/6/18	Wed 11/28/18		Project Manager		
68		Bi-weekly Team Technical Debt Report	56 days	Sat 10/6/18	Fri 11/30/18		Feasibility Analyst,II V&		
73		Exploration Phase II	16 days	Tue 10/2/18	Wed 10/17/18				
74		Modify WinBook based on new scope requirements and client needs	10 days	Tue 10/2/18	Thu 10/11/18		Project Manager		
75		Refine and build new use cases based on client's feedback and needs	10 days	Tue 10/2/18	Thu 10/11/18		Operational Concept Engineer,Project		
76		Conduct use case based effort estimation as a team	1 day	Fri 10/12/18	Fri 10/12/18	75	Feasibility Analyst,II V&V,Life Cycle		
77		Investigate methods to access historical data from data sources	3 days	Mon 10/8/18	Wed 10/10/18		Feasibility Analyst,Prototyper,Softw		
78		Design system and software architecture	1 day	Sat 10/13/18	Sat 10/13/18	74,75,76	Software Architect,System		
79		Valuation Phase II	13 days	Wed 10/10/18	Mon 10/22/18				
80		Develop frontend UI prototype iteration II based on new scope	5 days	Fri 10/12/18	Tue 10/16/18		Prototyper		




















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81		Develop backend data endpoint prototype based on new scope	5 days	Fri 10/12/18	Tue 10/16/18		Prototyper		
82		Develop DC Package	13 days	Wed 10/10/18	Mon 10/22/18				
83		Develop operational concept	3 days?	Sat 10/13/18	Mon 10/15/18		Operational Concept Eng		
84		Develop requirement specification	3 days	Sat 10/13/18	Mon 10/15/18		Requirement Engineer		
85		Elaborate development life cycle	8 days	Sat 10/13/18	Sat 10/20/18		Life Cycle Planner		
86		Prepare feasibility evidence	8 days	Sat 10/13/18	Sat 10/20/18		Feasibility Analyst		
87		Foundations Phase II	13 days	Wed 10/10/18	Mon 10/22/18				
88		Implement ABR deliverables	5 days	Sat 10/13/18	Wed 10/17/18		Feasibility Analyst,II V&V,Life Cycle		
89		Integrate docs into slide deck	2 days?	Mon 10/15/18	Tue 10/16/18		Project Manager		
90		Dry run ARB presentation	1 day?	Wed 10/17/18	Wed 10/17/18	89	Feasibility Analyst,II V&V		
91		Develop DC Package (Continue)	13 days	Wed 10/10/18	Mon 10/22/18				
92		Prepare for test plan	10 days	Sat 10/13/18	Mon 10/22/18		Requirement Engineer,T		
93		Plan quality management	10 days	Sat 10/13/18	Mon 10/22/18		Quality Engineer		
94		Elaborate verification and validation process	10 days	Sat 10/13/18	Mon 10/22/18		Tester,Quality Engineer,Requirement		
95		Development Phase	29 days	Tue 10/23/18	Fri 11/30/18				
96		Client meeting	1 day	Wed 10/31/18	Wed 10/31/18		Feasibility Analyst,II V&V		
97		577A Project Presentation	1 day	Mon 11/5/18	Mon 11/5/18		Feasibility Analyst,II V&V		
98		Conduct code revise with Crucible	1 day	Mon 11/5/18	Mon 11/5/18		Feasibility Analyst,II V&V		
99		Update use cases	2 days	Thu 11/8/18	Fri 11/9/18		II V&V,Project Manager		
100		Update program model	2 days	Thu 11/8/18	Fri 11/9/18		II V&V,Project Manager		
101		Core Capability Demonstration	1 day	Mon 11/19/18	Mon 11/19/18		Feasibility Analyst,II V&V		




















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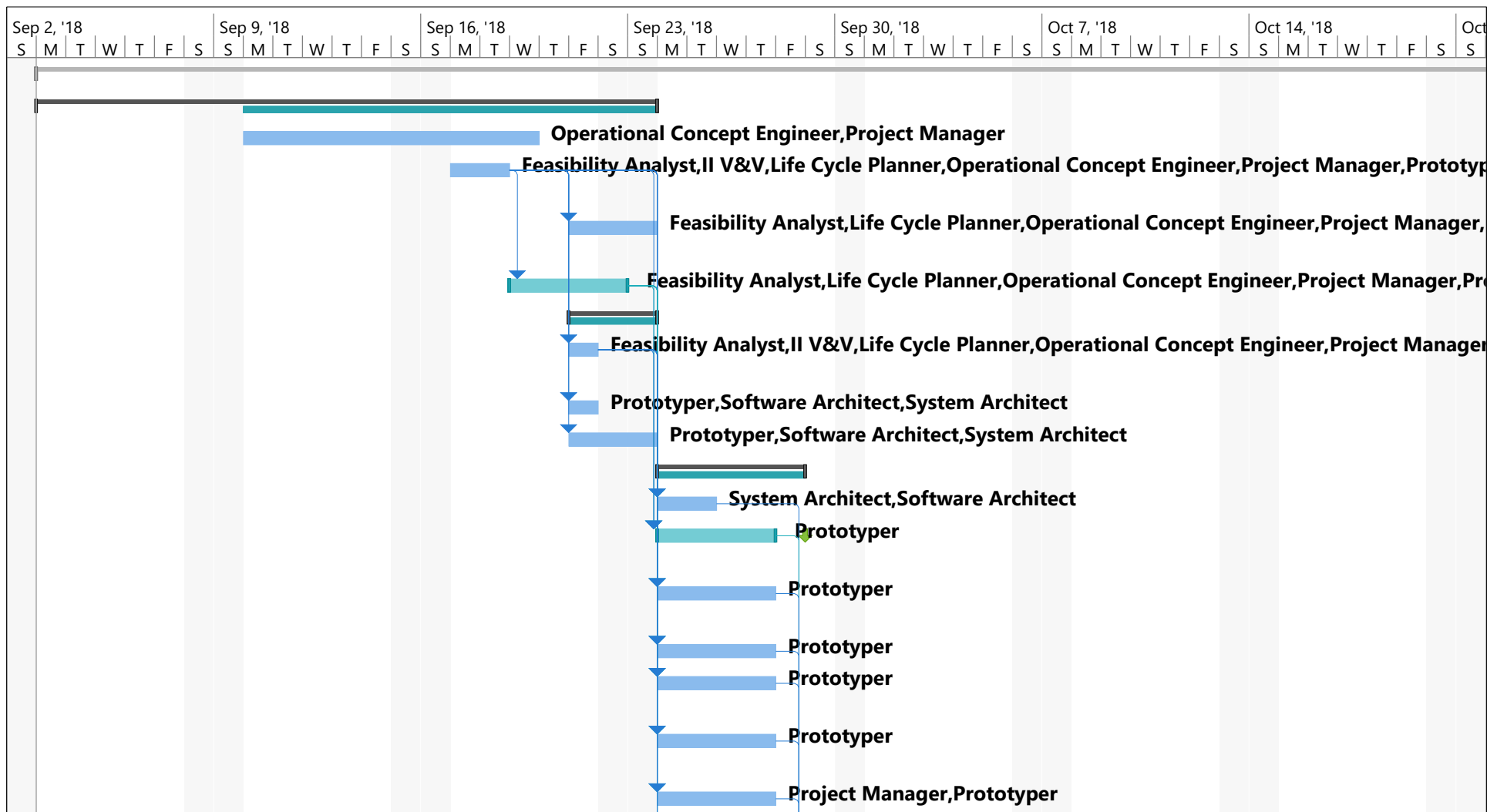
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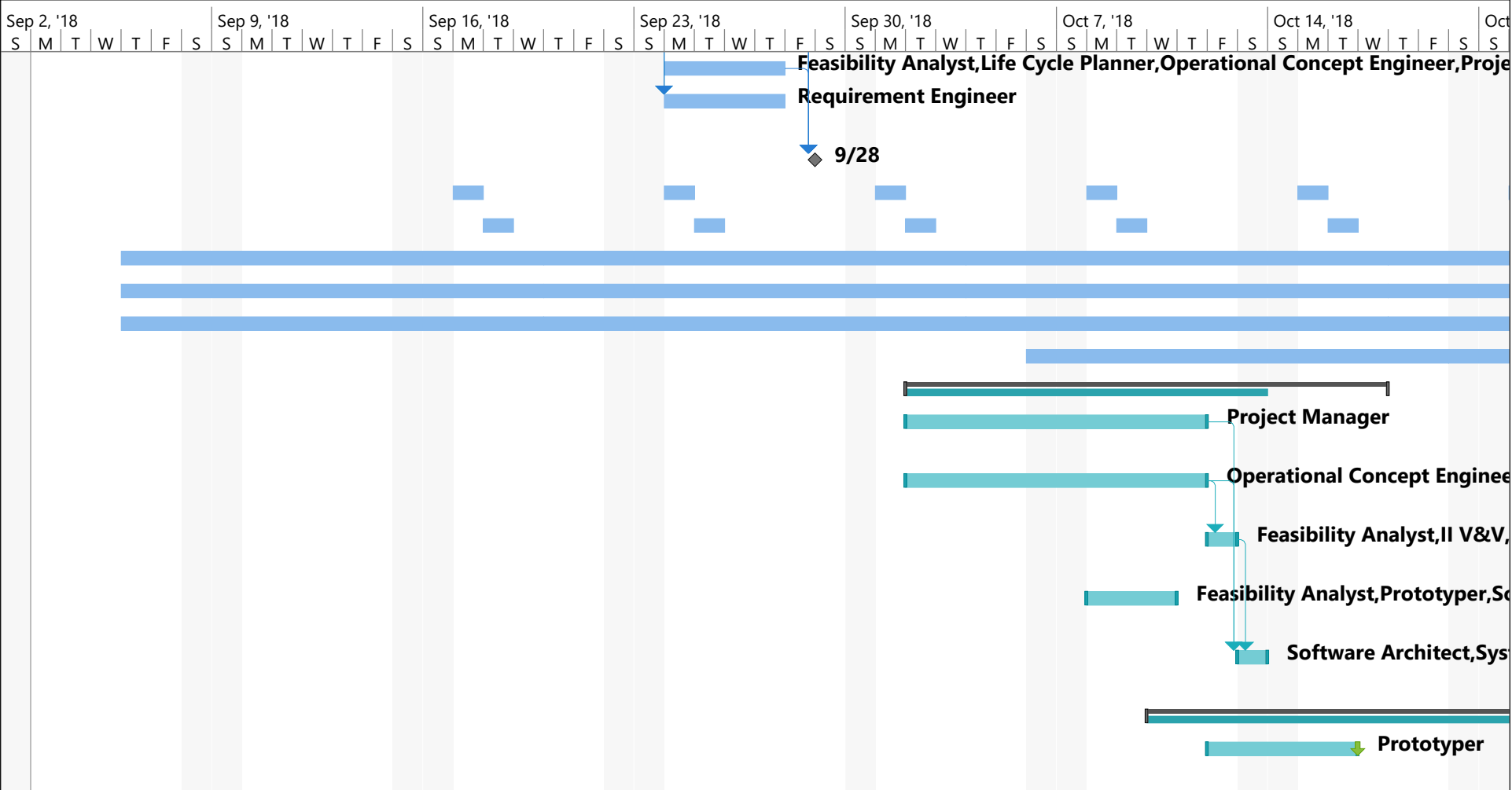
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102		Update FED	7 days	Mon 11/19/18	Sun 11/25/18		II V&V,Project Manager		
103		Update LCP	7 days	Mon 11/19/18	Sun 11/25/18		II V&V,Project Manager		
104		Update TPC	7 days	Mon 11/19/18	Sun 11/25/18		II V&V,Project Manager		
105		Update SSAD	7 days	Mon 11/19/18	Sun 11/25/18		II V&V,Project Manager		
106		Update OCD	7 days	Mon 11/19/18	Sun 11/25/18		II V&V,Project Manager		
107		Implement User Manual	3 days	Wed 11/28/18	Fri 11/30/18		II V&V,Project Manager,		
108		Implement Transition Plan	3 days	Wed 11/28/18	Fri 11/30/18		II V&V,Project Manager,		
109		Implement Support Plan	3 days	Wed 11/28/18	Fri 11/30/18		II V&V,Project Manager,		
110		TRR presentation	1 day	Wed 11/28/18	Wed 11/28/18		Feasibility Analyst,II V&V		
111		Generate As-built package	1 day	Sun 12/2/18	Sun 12/2/18		Feasibility Analyst,II V&V		
112		Coding Tasks	18 days	Thu 11/8/18	Sun 11/25/18				
113		Update UI	9 days	Sat 11/17/18	Sun 11/25/18		Prototyper,Software Arc		
114		Implement logout flow/token refresh	11 days	Thu 11/8/18	Sun 11/18/18		Prototyper		
115		Protect routes according to access privileges for new user roles	11 days	Thu 11/8/18	Sun 11/18/18		Prototyper		
116		Refactor PUT route for ideas endpoint	11 days	Thu 11/8/18	Sun 11/18/18		Prototyper		
117		Debug Heroku deployment	11 days	Thu 11/8/18	Sun 11/18/18		Prototyper		
118		Deploy app to AWS	11 days	Thu 11/8/18	Sun 11/18/18		Prototyper		
119		Refactor config file for production	11 days	Thu 11/8/18	Sun 11/18/18		Prototyper		
120		Document API via swagger fields	11 days	Thu 11/8/18	Sun 11/18/18		Prototyper		
121		Refactor user model to account for new user role types	5 days	Sat 11/10/18	Wed 11/14/18		Prototyper		
122		Refactor auth decorators to account for new user role types	5 days	Sat 11/10/18	Wed 11/14/18		Prototyper		

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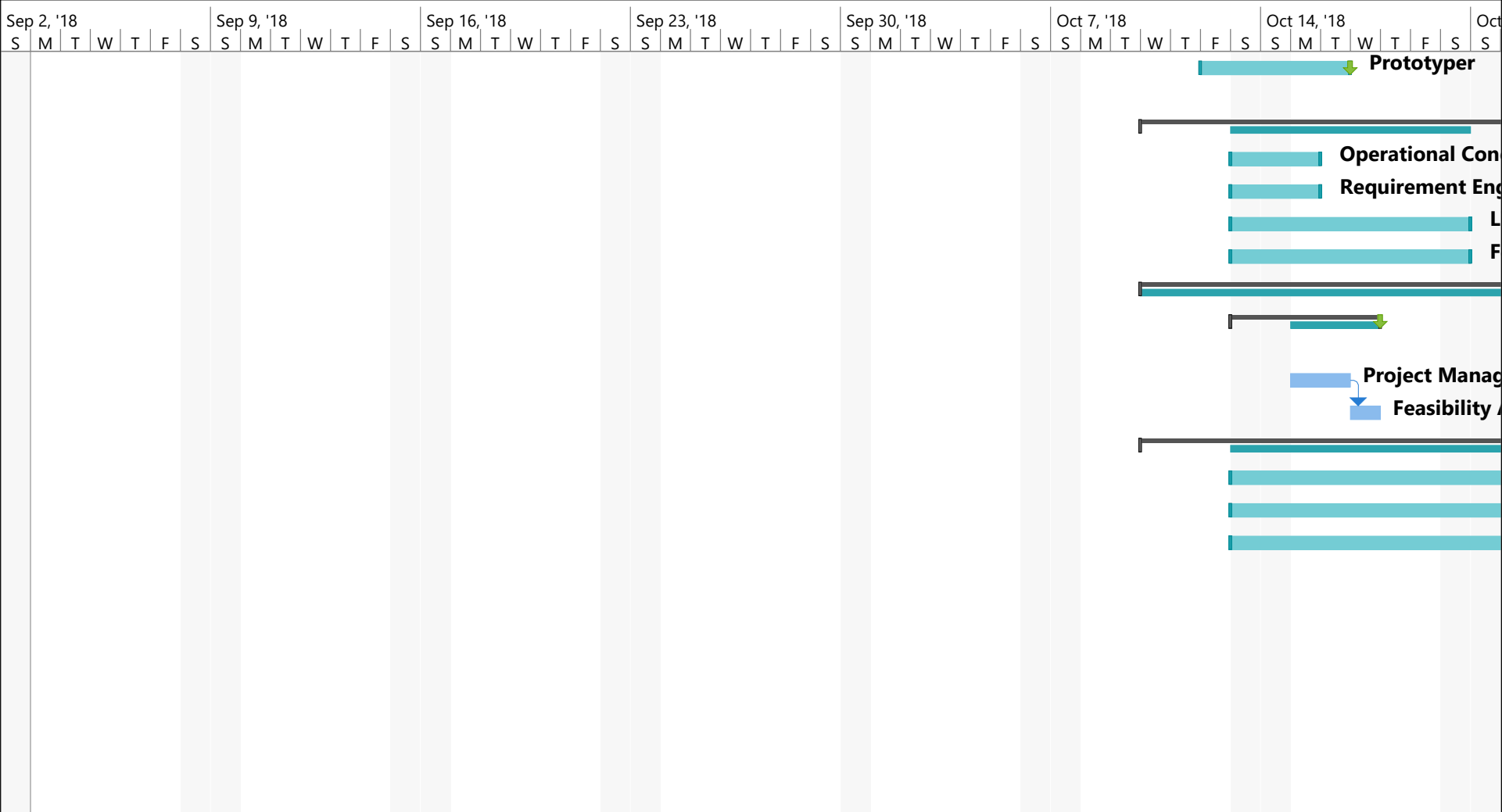
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123	 	Create goal model	5 days	Sat 11/10/18	Wed 11/14/18		Prototyper,Software Arc		
124	 	Create GET/POST routes for goal list	5 days	Sat 11/10/18	Wed 11/14/18		Prototyper		
125	  	Create GET/POST/PUT/DELETE routes for goals route	5 days	Sat 11/10/18	Wed 11/14/18		Prototyper		
126	 	Export publishing calendar to CSV file	11 days	Thu 11/15/18	Sun 11/25/18		Prototyper		
127	 	Integrate frontend UI with backend API	11 days	Thu 11/15/18	Sun 11/25/18		Prototyper,Software Arc		
128	 	Test auth endpoints	9 days	Sat 11/17/18	Sun 11/25/18		Prototyper,Tester,II V&V		
129	 	Test users endpoints	9 days	Sat 11/17/18	Sun 11/25/18		Prototyper,Tester,II V&V		
130	 	Test ideas endpoints	9 days	Sat 11/17/18	Sun 11/25/18		Prototyper,Tester,II V&V		
131	 	Test goals endpoints	9 days	Sat 11/17/18	Sun 11/25/18		Prototyper,Tester,II V&V		
132	 	Test utilities	9 days	Sat 11/17/18	Sun 11/25/18		Prototyper,Tester,II V&V		

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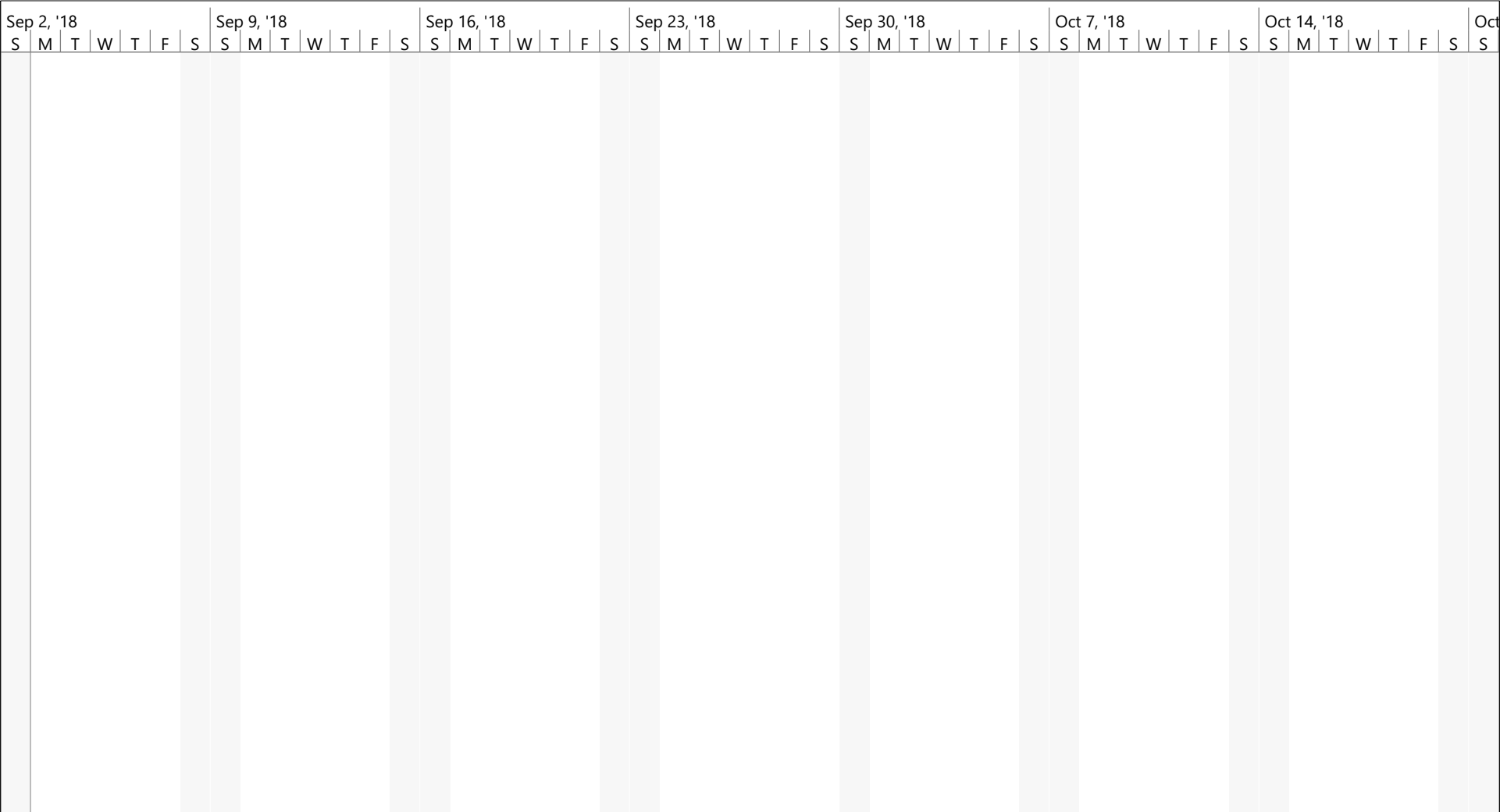


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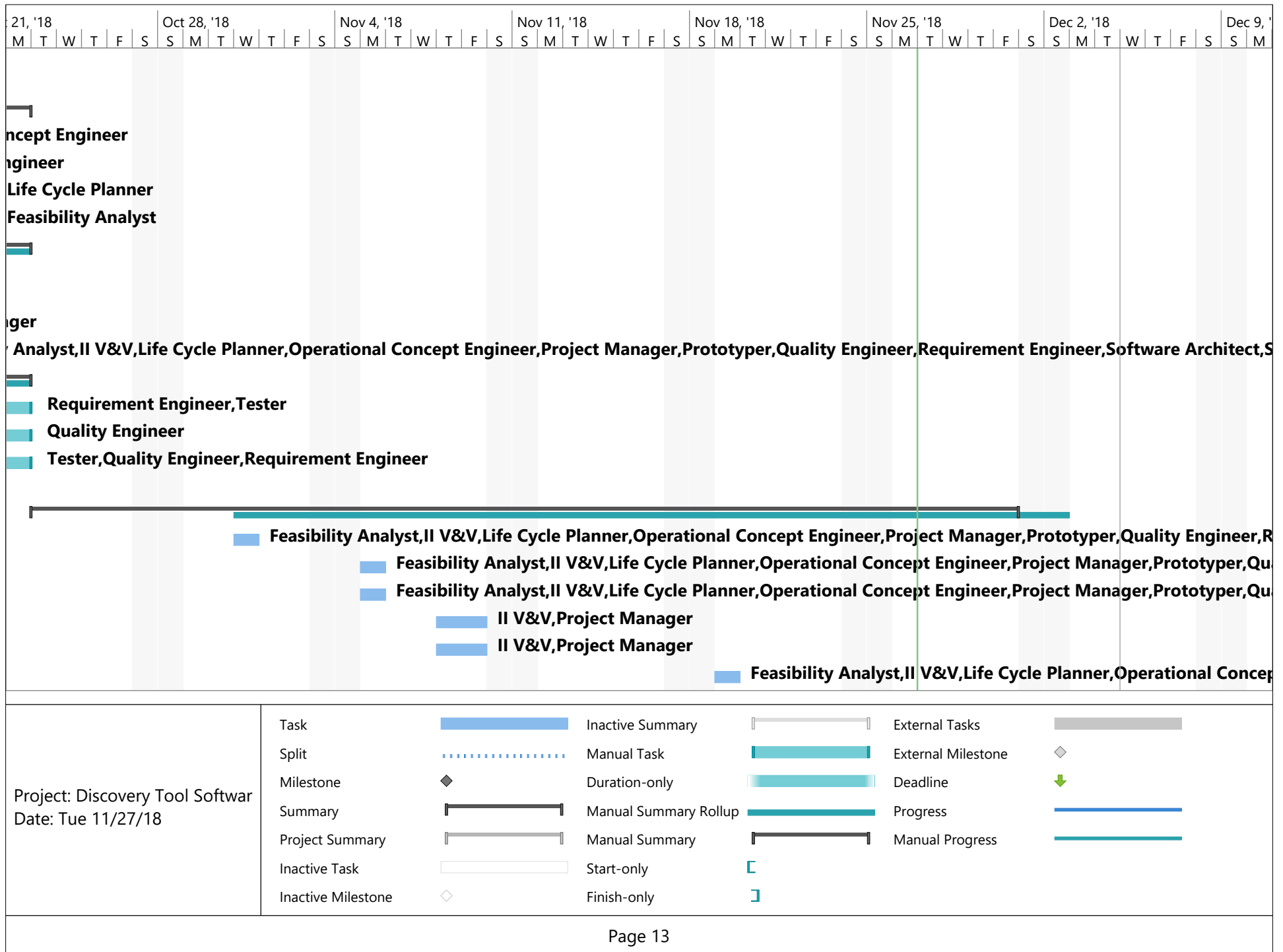
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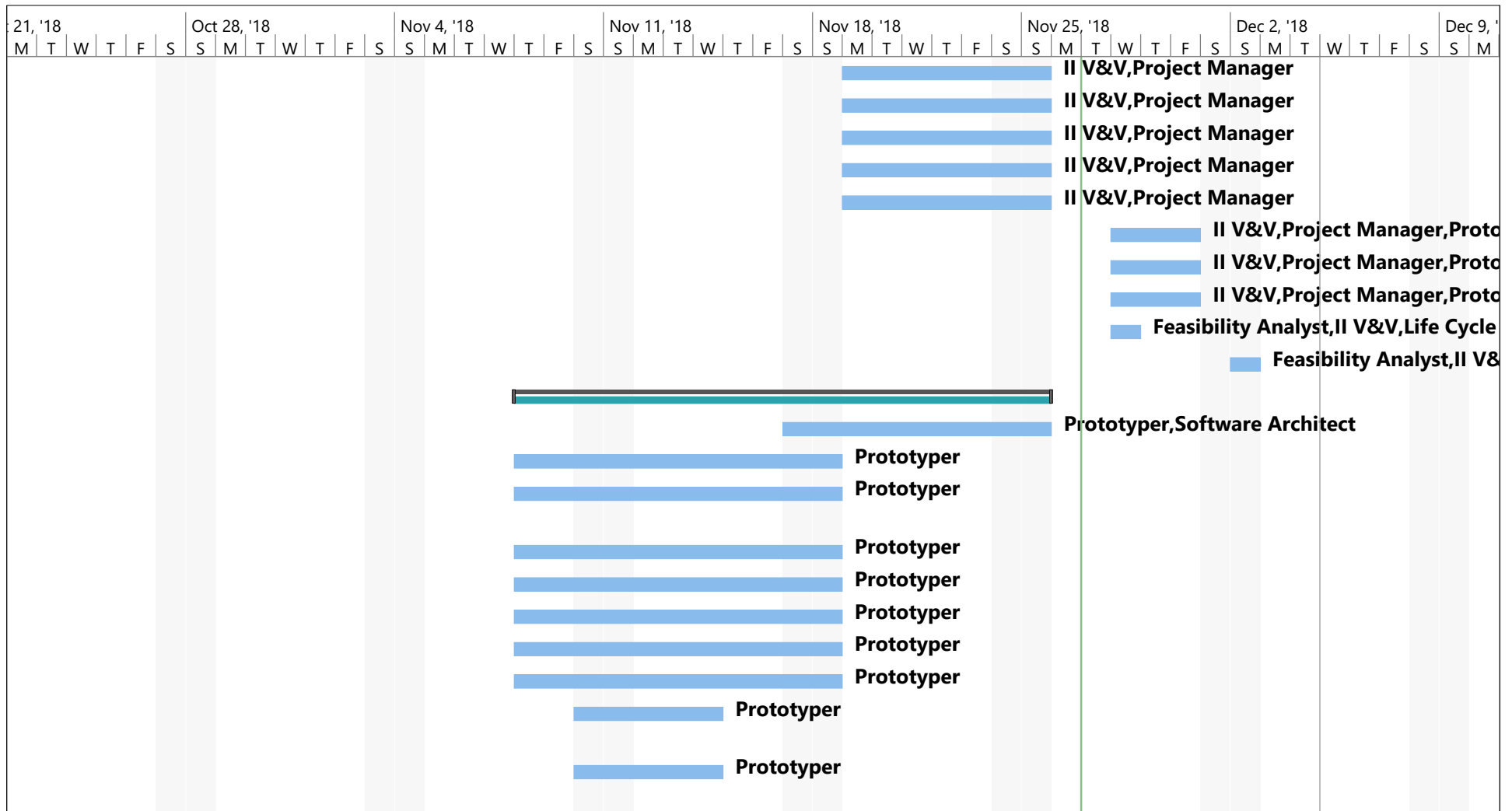
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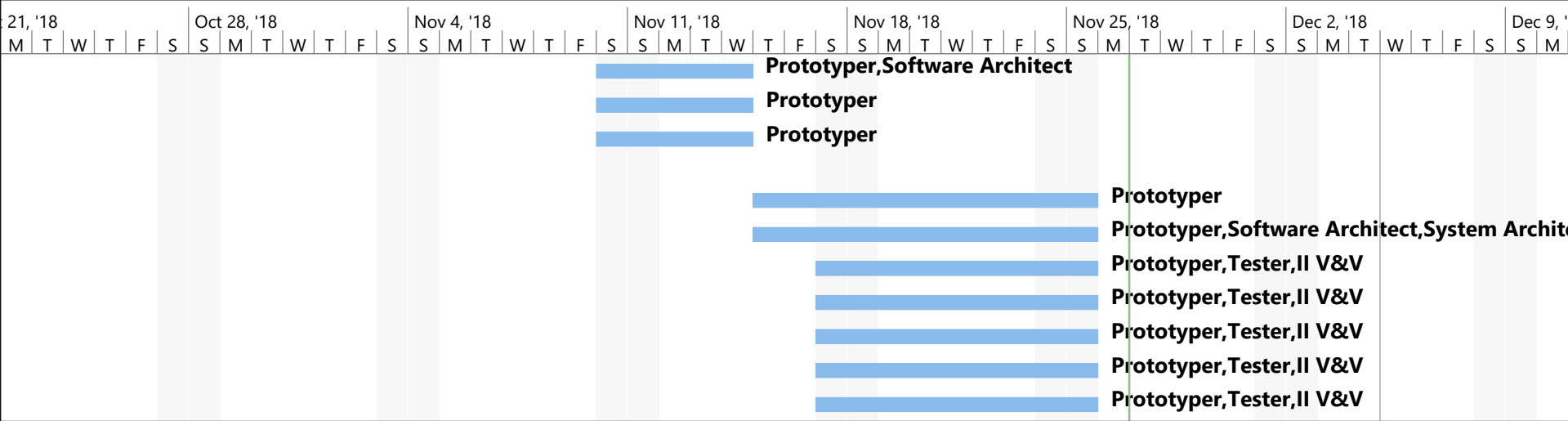
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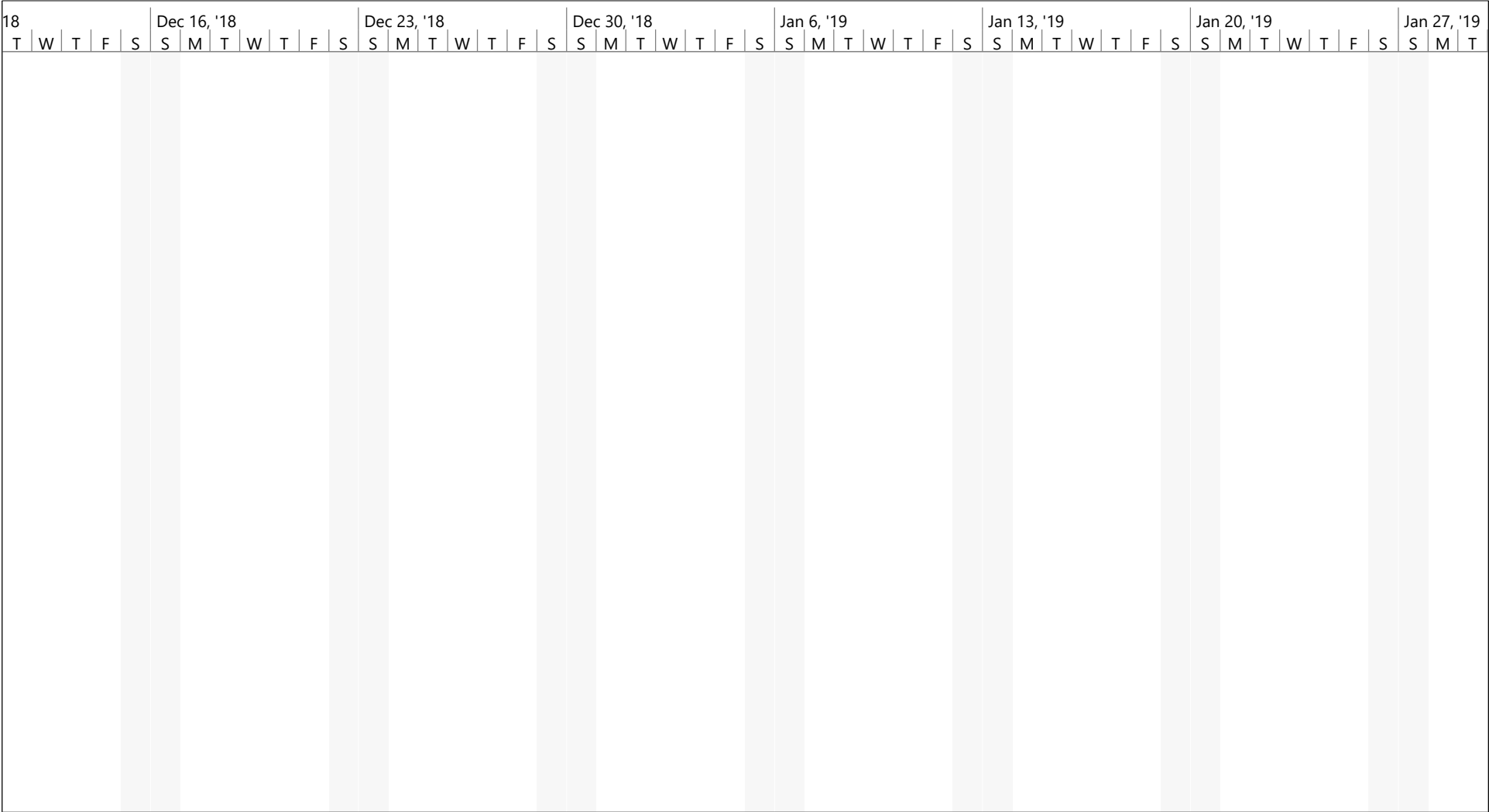























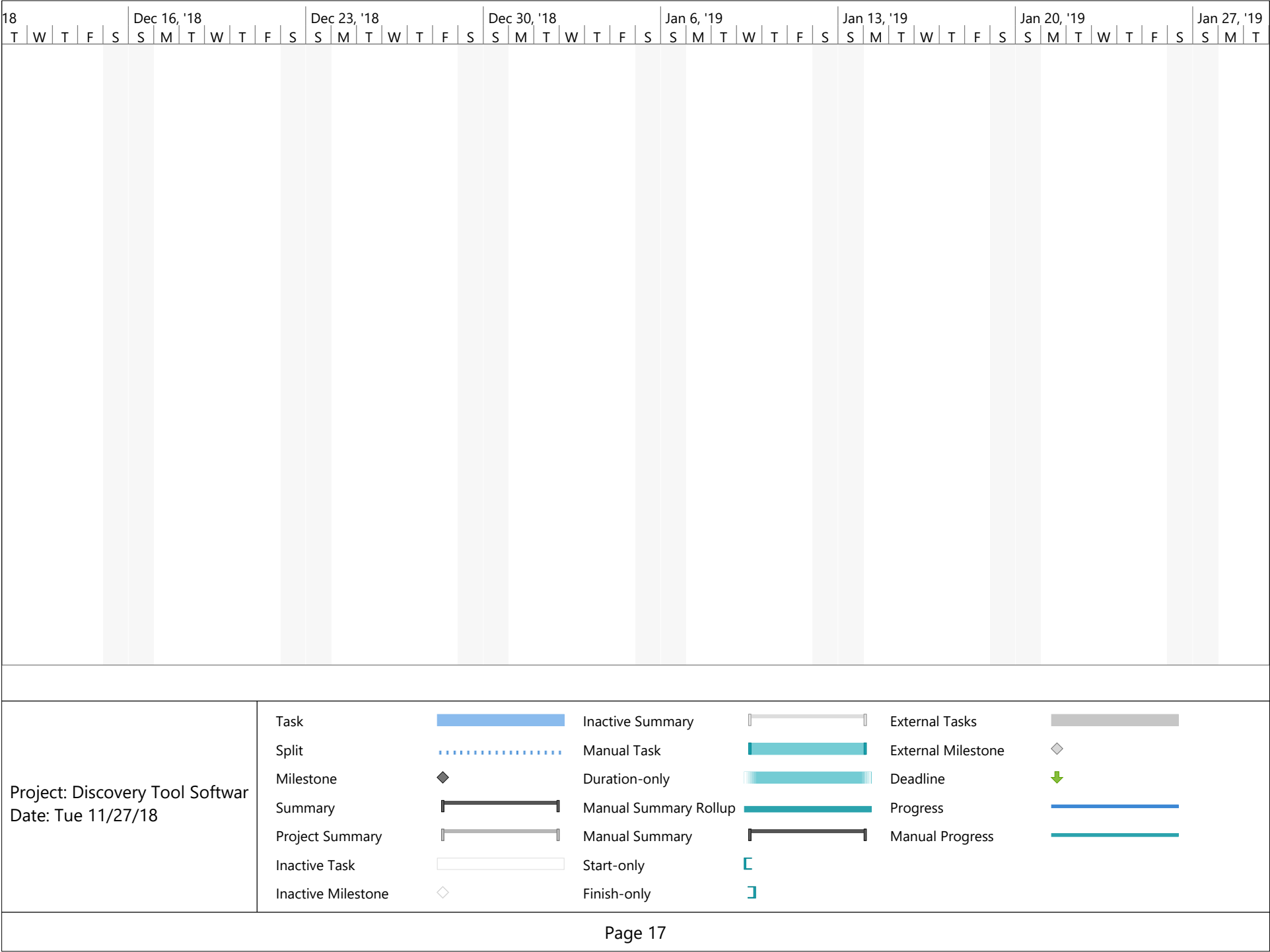


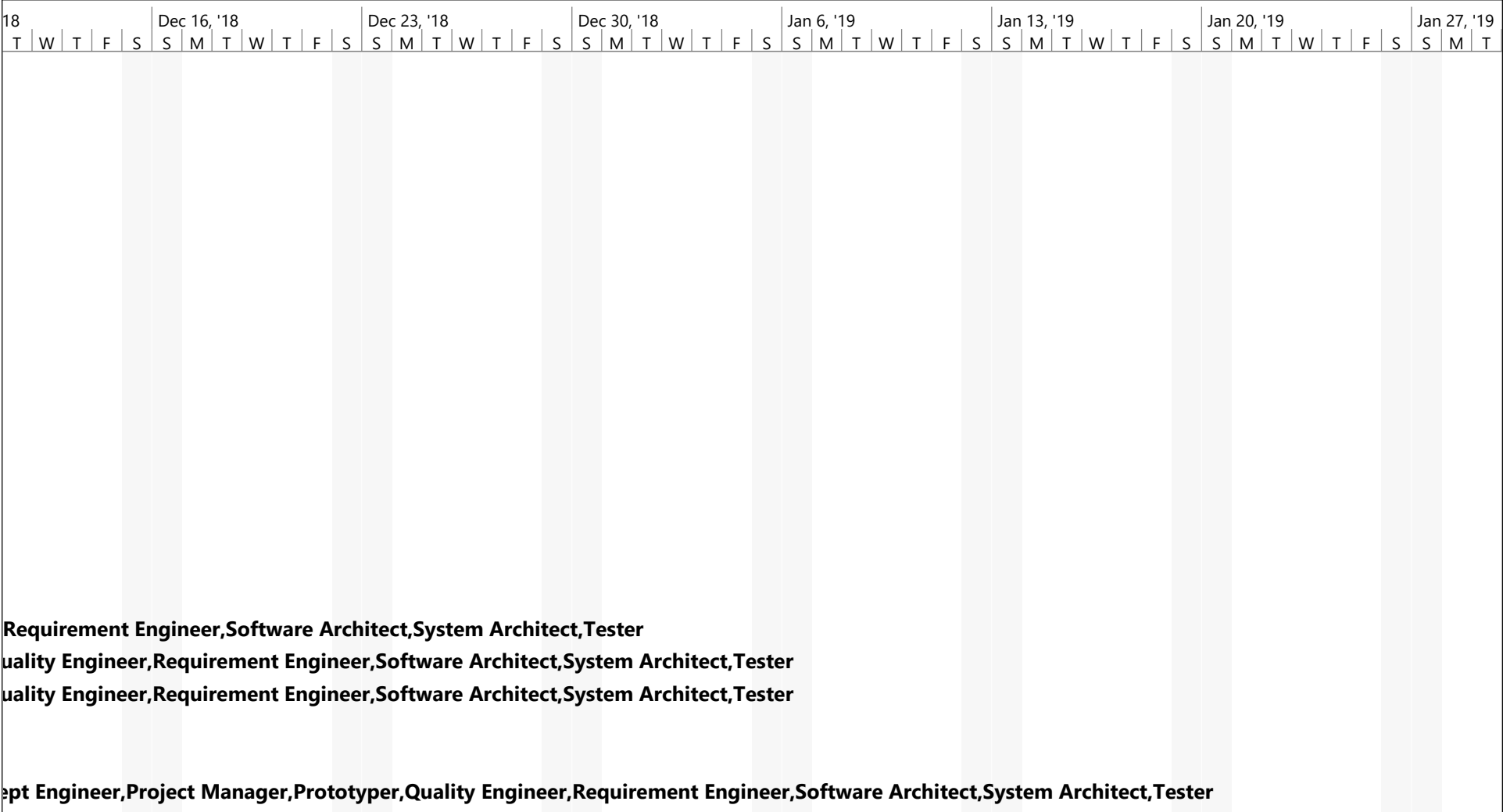
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Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

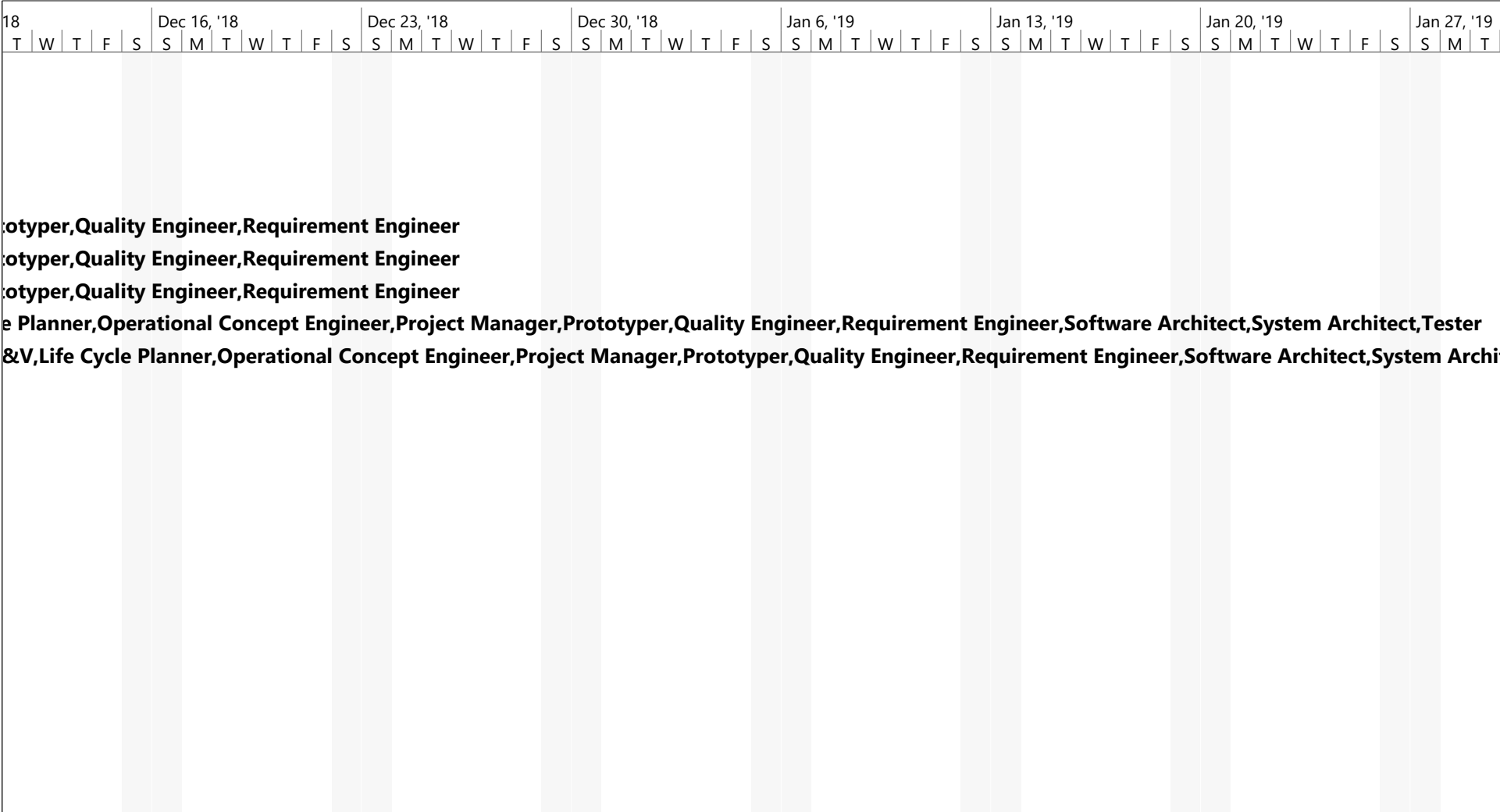
External Milestone




















Deadline

Progress



















Manual Progress

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