

ID	Task Name	Duration	Start	Finish	Predecessors	D			Nov 2
						S	W	S	
1	MSD1	66 days	Mon 11/29/10	Fri 2/25/11					
2	Week 1: Know the Customer & Your Team	5 days	Mon 11/29/10	Fri 12/3/10					
3	Ice Breaker	45 mins	Fri 12/3/10	Fri 12/3/10					
4	Project Exposure	2 hrs	Fri 12/3/10	Fri 12/3/10	3				
5	Course Logistics / Overview	1 hr	Fri 12/3/10	Fri 12/3/10	4				
6	Project Background	1 hr	Fri 12/3/10	Fri 12/3/10	5				
7	Project Planning	1 hr	Fri 12/3/10	Fri 12/3/10	6				
8	Create Days Summary	1 hr	Fri 12/3/10	Fri 12/3/10	7				
9	Email contacts and conclude day	1 hr	Fri 12/3/10	Fri 12/3/10	8				
10	Week 2: Needs and Translation of Needs to Specifications	6 days	Fri 12/3/10	Fri 12/10/10					
11	Needs Generation		Wed 12/8/10						
12	Identify Customer Needs	1 hr	Wed 12/8/10	Wed 12/8/10					
13	Identify Internal Needs	1 hr	Wed 12/8/10	Wed 12/8/10	12				
14	Integrate with previous Design Teams	2 hrs	Wed 12/8/10	Wed 12/8/10	13				
15	Identify Challenges with previous Design Team	0.5 hrs	Wed 12/8/10	Wed 12/8/10	14				
16	Identify Limitations	0.5 hrs	Wed 12/8/10	Wed 12/8/10	15				
17	Finalize Into Documentation	1 hr	Wed 12/8/10	Wed 12/8/10	16				
18	Specification and initial Concept Development		Wed 12/8/10						
19	Research Past development of solutions	5 hrs	Fri 12/10/10	Fri 12/10/10					
20	Develop Possible Solutions	2 hrs	Fri 12/10/10	Fri 12/10/10	19				
21	Analyze and compare possible solutions	1 hr	Fri 12/10/10	Fri 12/10/10	20				
22	Engineering Design Specs	3 hrs	Wed 12/8/10	Wed 12/8/10					
23	Generate Project Plan for MSD 1	4 hrs	Wed 12/8/10	Wed 12/8/10					
24	Generate Team Values and Norms	1.5 hrs	Wed 12/8/10	Wed 12/8/10					
25	Complete Homework -Pinto	0.5 hrs	Thu 12/9/10	Thu 12/9/10					
26	Select Team Leader	1.5 hrs	Thu 12/9/10	Thu 12/9/10					

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27	Week 3: Concept Generation and Development	7 days	Fri 12/10/10	Fri 12/17/10					
28	Knowledge Distribution (General Discussion)	1 hr	Wed 12/15/10	Wed 12/15/10					
29	Homework	1 hr	Wed 12/15/10	Wed 12/15/10					
30	Translation of Needs		Wed 12/8/10						
31	Review Current ANC Info	2 hrs	Wed 12/8/10	Wed 12/8/10					
32	Research Current ANC Patents	2 hrs	Wed 12/8/10	Wed 12/8/10					
33	Benchmark Lawnmower	2 hrs	Sun 12/12/10	Sun 12/12/10					
34	Spectrum Analysis of Lawnmower	1 hr	Sun 12/12/10	Sun 12/12/10	33				
35	Compare with previous Collected Data	1 hr	Mon 12/13/10	Mon 12/13/10	34				
36	Correlate with Customers Needs	1 hr	Wed 12/15/10	Wed 12/15/10	35				
37	Complete Specifications	2 hrs	Wed 12/15/10	Wed 12/15/10					
38	Concept improvement	1 hr	Wed 12/15/10	Wed 12/15/10					
39	Concept Selection (From Developed Choices)	0.5 hrs	Wed 12/15/10	Wed 12/15/10	38				
40	Concept Understanding and Additional Research	1 hr	Wed 12/15/10	Wed 12/15/10	39				
41	Concept Benchmarking	5 hrs	Wed 12/15/10	Wed 12/15/10	40				
42	Development of Initial Test Document (How to Validate Design)	2 hrs	Wed 12/15/10	Thu 12/16/10	41				
43	Complete Initial test Document	1 hr	Thu 12/16/10	Thu 12/16/10	42				
44	Week 4: System Level Review and Design Re-evaluation	16 days	Fri 12/17/10	Fri 1/7/11					
45	Knowledge Distribution (General Discussion)		Wed 1/5/11						
46	Homework		Wed 1/5/11						
47	System Level Review		Wed 1/5/11						
48	System Analysis		Wed 1/5/11						
49	Design Risks		Wed 1/5/11						
50	Functional Decomposition		Wed 1/5/11						
51	System Architecture		Wed 1/5/11						
52	Subsystems Design Standards and Group Division		Wed 1/5/11						

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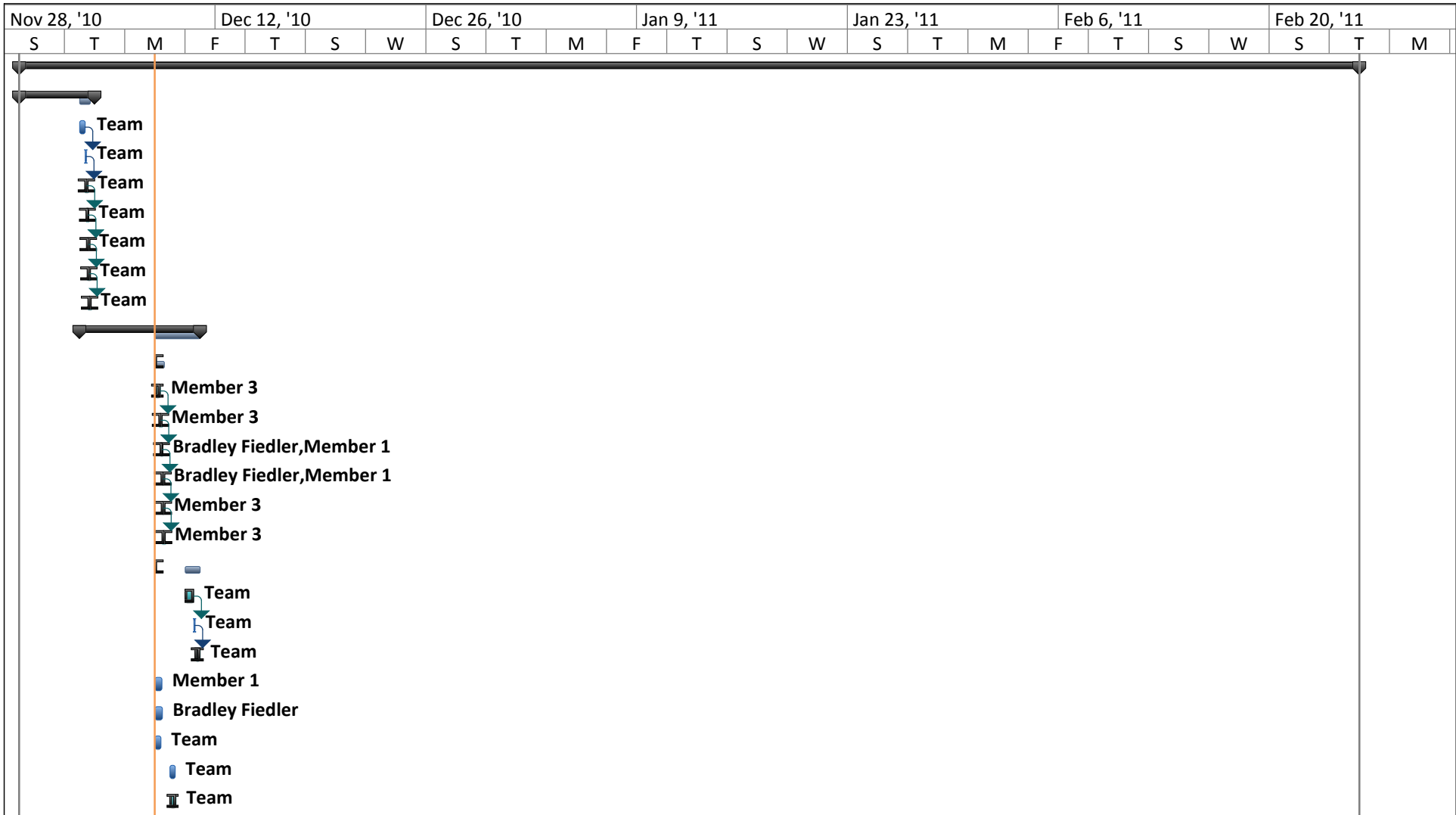
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53	Interface Needs		Wed 1/5/11						
54	Test Bench Needs and Development		Wed 1/5/11						
55	Re-evaluation		Wed 1/5/11						
56	Reproduce drawings according to design choice		Wed 1/5/11						
57	Reproduce Risks according to design choice		Wed 1/5/11						
58	Reproduce and update plan according to design choice and needs		Wed 1/5/11						
59	Week 5: System Level Design	6 days	Fri 1/7/11	Fri 1/14/11					
60	Knowledge Distribution (General Discussion)		Wed 1/12/11						
61	Homework		Wed 1/12/11						
62	Complete Subsystem Design		Wed 1/12/11						
63	Simulations		Wed 1/12/11						
64	Bread boarding		Wed 1/12/11						
65	Week 6: Begin Detailed Design	6 days	Fri 1/14/11	Fri 1/21/11					
66	Homework		Wed 1/19/11						
67	CAD Schematics Development		Wed 1/19/11						
68	Subsystem Schematic Development		Wed 1/19/11						
69	Feasibility Analysis		Wed 1/19/11						
70	Knowledge Distribution (General Discussion)		Wed 1/19/11						
71	Week 7: Detailed Design	6 days	Fri 1/21/11	Fri 1/28/11					
72	Knowledge Distribution (General Discussion)		Wed 1/26/11						
73	Homework		Wed 1/26/11						
74	Risk and Mitigation		Wed 1/26/11						
75	Development of Project Test Plan		Wed 1/26/11						
76	Complete Subsystem Schematics		Wed 1/26/11						
77	Complete CAD Schematics		Wed 1/26/11						
78	Week 8: Subsystem Integration and Design Finalization	6 days	Fri 1/28/11	Fri 2/4/11					

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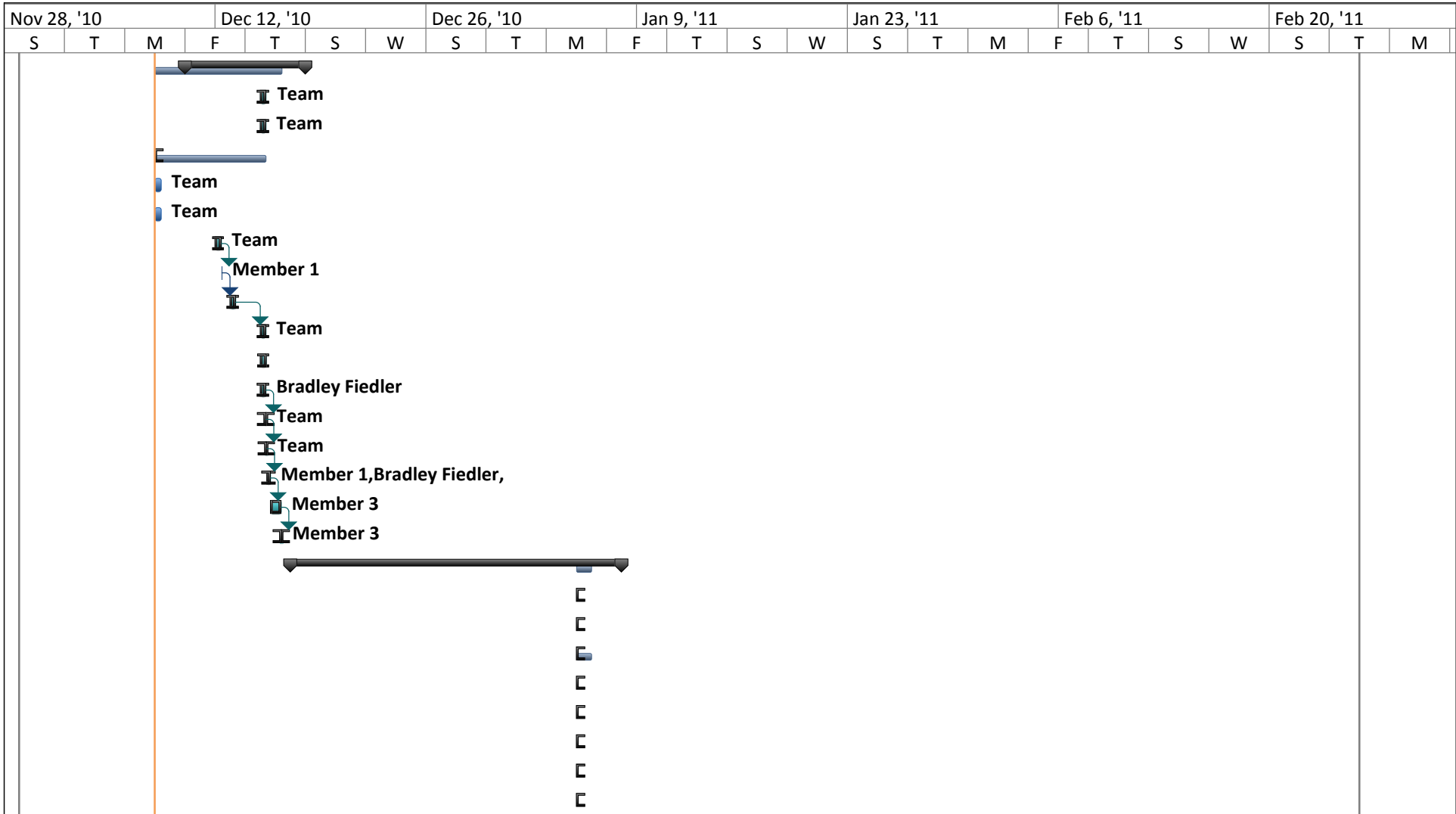
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79	Knowledge Distribution (General Discussion)		Wed 2/2/11						
80	Homework		Wed 2/2/11						
81	BOM compilation		Wed 2/2/11						
82	Electronics Subsystems Integration		Wed 2/2/11						
83	Electronic Subsystem Testing		Wed 2/2/11						
84	Feasibility Analysis update		Wed 2/2/11						
85	Finalize Test Plan		Wed 2/2/11						
86	Week 9: Project Review and Project Design File	6 days	Fri 2/4/11	Fri 2/11/11					
87	Knowledge Distribution (General Discussion)		Wed 2/9/11						
88	Homework		Wed 2/9/11						
89	Project review		Wed 2/9/11						
90	Update project Status		Wed 2/9/11						
91	Update Risk Assessment		Wed 2/9/11						
92	Project Design File		Wed 2/9/11						
93	Begin Design History File compilation		Wed 2/9/11						
94	Update EDGE with all relevant information		Wed 2/9/11						
95	Week 10: Finalize Quarters Work and Prepare for Design Review	6 days	Fri 2/11/11	Fri 2/18/11					
96	Prepare Slides		Wed 2/16/11						
97	Ensure Group understanding of all subsystems		Wed 2/16/11						
98	Ensure group understanding of underlying project		Wed 2/16/11						
99	Week 11: Finals Week	6 days	Fri 2/18/11	Fri 2/25/11					
100	Ensure all Documents are submitted	2 days	Fri 2/18/11	Mon 2/21/11					

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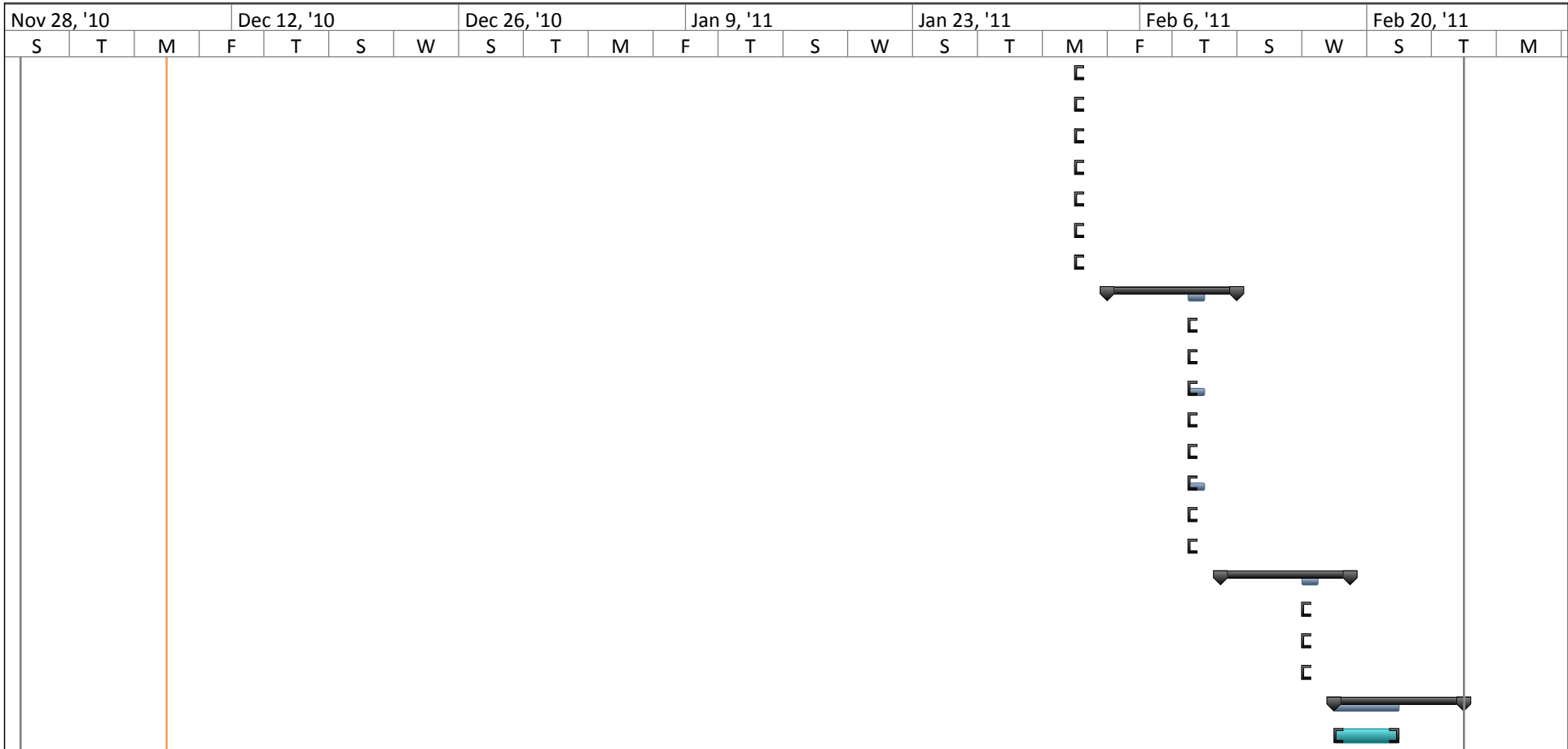
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