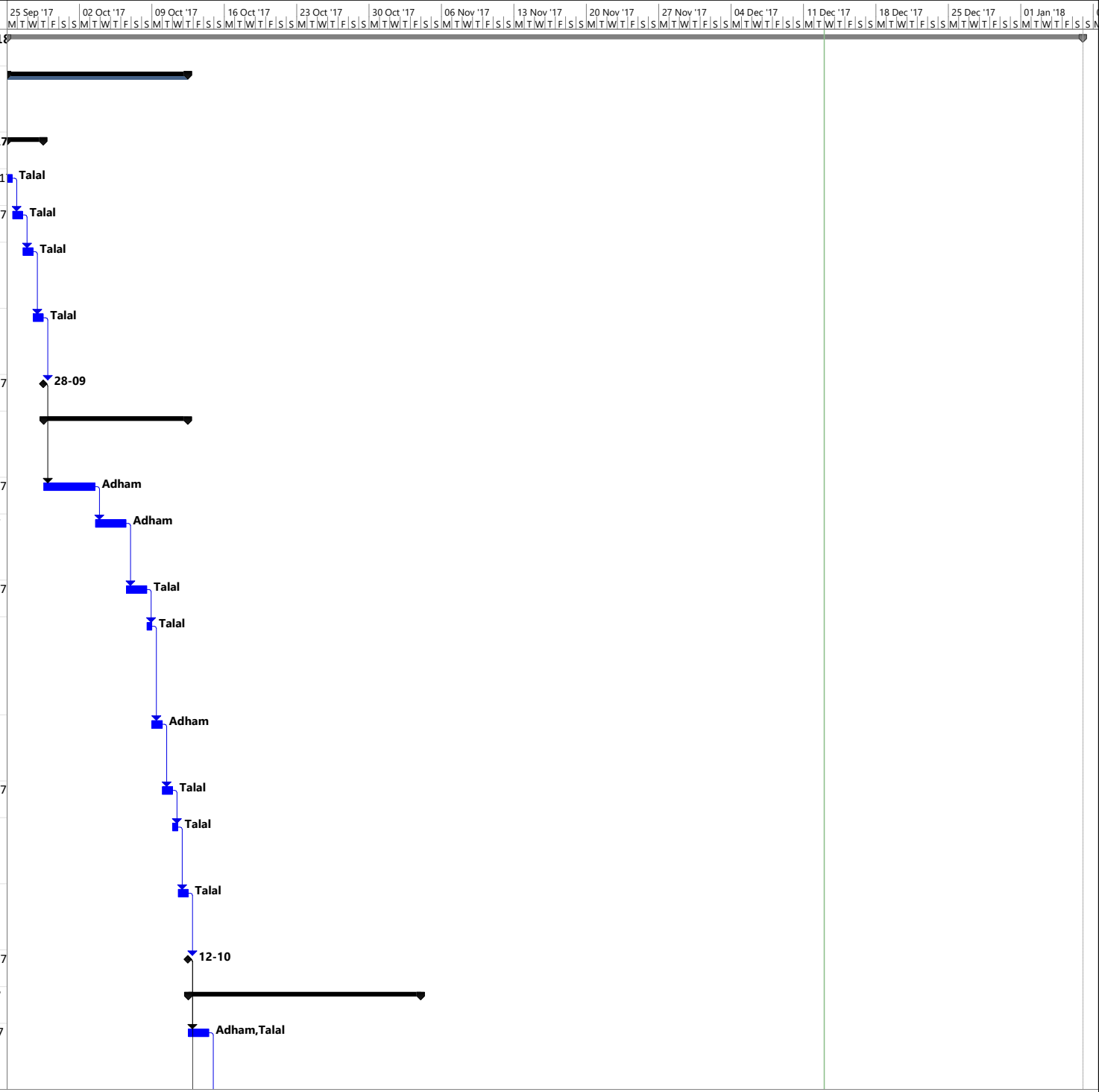
ID	WBS	Task Name	Duration	Start	Finish
0		**Software Development**	**104 days**	**Mon 25-09-**	**Sat 06-01-18**
1	**A**	**Feasibility and Pre-Research (SRS Stage)**	**17.5 days**	**Mon 25-09-17**	**Thu 12-10-17**
2	**A.1**	**Scope**	**3.5 days**	**Mon 25-09-1**	**Thu 28-09-17**
3	A.1.1	Determine project scope	4 hrs	Mon 25-09-1	Mon 25-09-1
4	A.1.2	Secure project approval	1 day	Mon 25-09-1	Tue 26-09-17
5	A.1.3	Define preliminary resources	1 day	Tue 26-09-17	Wed 27-09-17
6	A.1.4	Secure core resources	1 day	Wed 27-09-17	Thu 28-09-17
7	A.1.5	Scope complete	0 days	Thu 28-09-17	Thu 28-09-17
8	**A.2**	**Analysis/Software Requirements**	**14 days**	**Thu 28-09-17**	**Thu 12-10-17**
9	A.2.1	Conduct needs analysis	5 days	Thu 28-09-17	Tue 03-10-17
10	A.2.2	Draft preliminary software specifications	3 days	Tue 03-10-17	Fri 06-10-17
11	A.2.3	Develop preliminary budget	2 days	Fri 06-10-17	Sun 08-10-17
12	A.2.4	Review software specifications/budget with team	4 hrs	Sun 08-10-17	Sun 08-10-17
13	A.2.5	Incorporate feedback on software specifications	1 day	Mon 09-10-17	Mon 09-10-17
14	A.2.6	Develop delivery timeline	1 day	Tue 10-10-17	Tue 10-10-17
15	A.2.7	Obtain approvals to proceed (concept, timeline, budget)	4 hrs	Wed 11-10-17	Wed 11-10-17
16	A.2.8	Secure required resources	1 day	Wed 11-10-17	Thu 12-10-17
17	A.2.9	Analysis complete	0 days	Thu 12-10-17	Thu 12-10-17
18	**B**	**System Design (SDS Stage)**	**22.5 days**	**Thu 12-10-17**	**Fri 03-11-17**
19	B.1	Review preliminary software specifications	2 days	Thu 12-10-17	Sat 14-10-17



Project: Software Development
Date: Wed 13-12-17

Task	Project Summary	Rolled Up Progress	Inactive Milestone	Manual Summary Rollup	Deadline
Split	Group By Summary	External Tasks	Inactive Summary	Manual Summary	Progress
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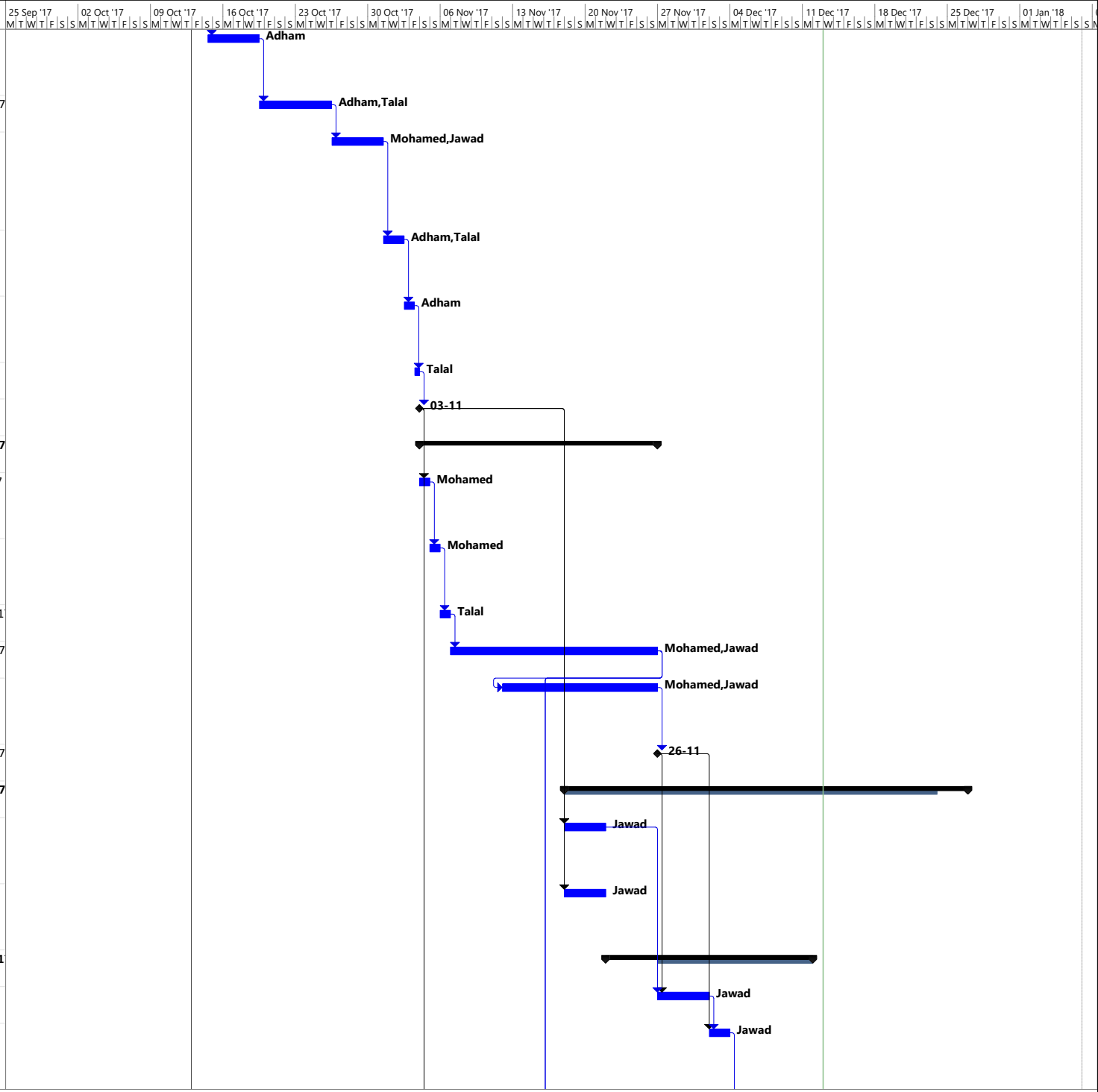
Summary	Rolled Up Milestone	Inactive Task	Duration-only	Finish-only	

ID	WBS	Task Name	Duration	Start	Finish
20	B.2	Develop functional specifications	5 days	Sat 14-10-17	Thu 19-10-17
21	B.3	Design of System	7 days	Thu 19-10-17	Thu 26-10-17
22	B.4	Develop prototype based on functional specifications	5 days	Thu 26-10-17	Tue 31-10-17
23	B.5	Review functional specifications and Design	2 days	Tue 31-10-17	Thu 02-11-17
24	B.6	Incorporate feedback into functional specifications	1 day	Thu 02-11-17	Fri 03-11-17
25	B.7	Obtain approval to proceed	4 hrs	Fri 03-11-17	Fri 03-11-17
26	B.8	Design complete	0 days	Fri 03-11-17	Fri 03-11-17
27	**C**	**Software Development Stage**	**23 days**	**Sat 04-11-17**	**Sun 26-11-17**
28	C.1	Review functional specifications	1 day	Sat 04-11-17	Sat 04-11-17
29	C.2	Identify modular/tiered design parameters	1 day	Sun 05-11-17	Sun 05-11-17
30	C.3	Assign development staff	1 day	Mon 06-11-1	Mon 06-11-1
31	C.4	Develop Code and Database	20 days	Tue 07-11-17	Sun 26-11-17
32	C.5	Developer testing (primary debugging)	15 days	Sun 12-11-17	Sun 26-11-17
33	C.6	Development complete	0 days	Sun 26-11-17	Sun 26-11-17
34	**D**	**Software Testing Stage**	**39 days**	**Sat 18-11-17**	**Tue 26-12-17**
35	D.1	Develop unit test plans using product specifications	4 days	Sat 18-11-17	Tue 21-11-17
36	D.2	Develop integration test plans using product specifications	4 days	Sat 18-11-17	Tue 21-11-17
37	**D.3**	**Unit Testing**	**20 days**	**Wed 22-11-1**	**Mon 11-12-1**
38	D.3.1	Review modular code	5 days	Mon 27-11-1	Fri 01-12-17
39	D.3.2	Test component modules to product specifications	2 days	Sat 02-12-17	Sun 03-12-17



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Task
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Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
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Finish-only
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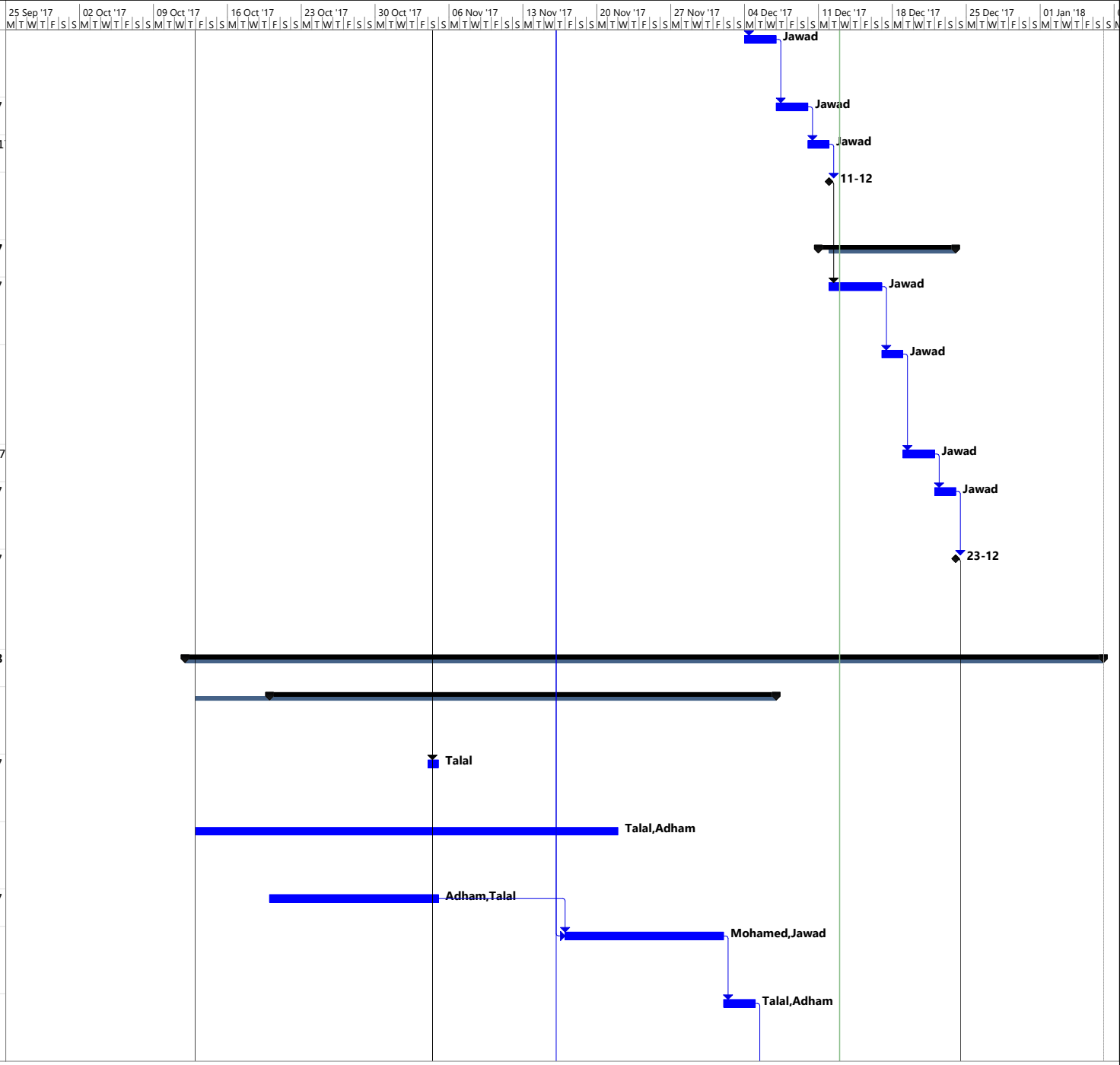
Progress

ID	WBS	Task Name	Duration	Start	Finish
40	D.3.3	Identify anomalies to product specifications	3 days	Mon 04-12-17	Wed 06-12-17
41	D.3.4	Modify code	3 days	Thu 07-12-17	Sat 09-12-17
42	D.3.5	Re-test modified code	2 days	Sun 10-12-17	Mon 11-12-1
43	D.3.6	Unit testing complete	0 days	Mon 11-12-17	Mon 11-12-17
44	**D.4**	**Integration Testing**	**13 days**	**Mon 11-12-1**	**Sat 23-12-17**
45	D.4.1	Test module integration	5 days	Tue 12-12-17	Sat 16-12-17
46	D.4.2	Identify anomalies to specifications	2 days	Sun 17-12-17	Mon 18-12-17
47	D.4.3	Modify code	3 days	Tue 19-12-17	Thu 21-12-17
48	D.4.4	Re-test modified code	2 days	Fri 22-12-17	Sat 23-12-17
49	D.4.5	Integration testing complete	0 days	Sat 23-12-17	Sat 23-12-17
50	**E**	**Documentation and Delivery**	**87 days**	**Thu 12-10-17**	**Sat 06-01-18**
51	**E.1**	**Documentation**	**48 days**	**Fri 20-10-17**	**Wed 06-12-17**
52	E.1.1	Develop Help specification	1 day	Sat 04-11-17	Sat 04-11-17
53	E.1.2	Develop SRS Document	40 days	Fri 13-10-17	Tue 21-11-17
54	E.1.3	Develop SDS Document	16 days	Fri 20-10-17	Sat 04-11-17
55	E.1.4	Develop Help system	3 wks	Fri 17-11-17	Fri 01-12-17
56	E.1.5	Review Help documentation	3 days	Sat 02-12-17	Mon 04-12-17



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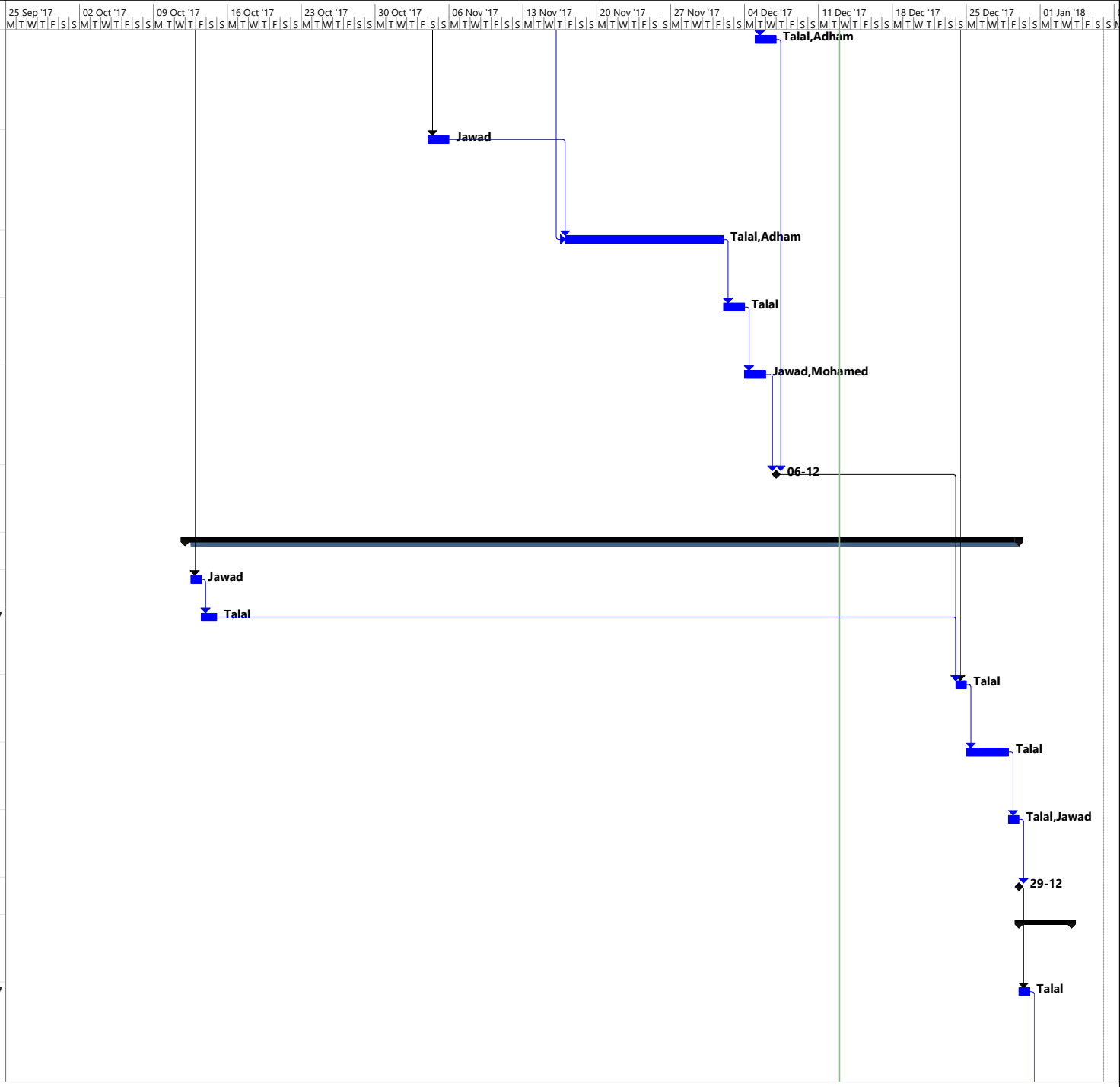
ID	WBS	Task Name	Duration	Start	Finish
57	E.1.6	Incorporate Help documentation feedback	2 days	Tue 05-12-17	Wed 06-12-17
58	E.1.7	Develop user manuals specifications	2 days	Sat 04-11-17	Sun 05-11-17
59	E.1.8	Develop user manuals	3 wks	Fri 17-11-17	Fri 01-12-17
60	E.1.9	Review all user documentation	2 days	Sat 02-12-17	Sun 03-12-17
61	E.1.10	Incorporate user documentation feedback	2 days	Mon 04-12-17	Tue 05-12-17
62	E.1.11	Documentation complete	0 days	Wed 06-12-17	Wed 06-12-17
63	**E.2**	**Pilot**	**79 days**	**Thu 12-10-17**	**Fri 29-12-17**
64	E.2.1	Identify test group	1 day	Thu 12-10-17	Fri 13-10-17
65	E.2.2	Develop software delivery mechanism	1.5 days	Fri 13-10-17	Sat 14-10-17
66	E.2.3	Install/deploy software to Google's Play Store	1 day	Sun 24-12-17	Sun 24-12-17
67	E.2.4	Obtain user feedback	4 days	Mon 25-12-17	Thu 28-12-17
68	E.2.5	Evaluate testing information	1 day	Fri 29-12-17	Fri 29-12-17
69	E.2.6	Pilot complete	0 days	Fri 29-12-17	Fri 29-12-17
70	**E.3**	**Deployment**	**5 days**	**Sat 30-12-17**	**Wed 03-01-18**
71	E.3.1	Determine final deployment strategy	1 day	Sat 30-12-17	Sat 30-12-17



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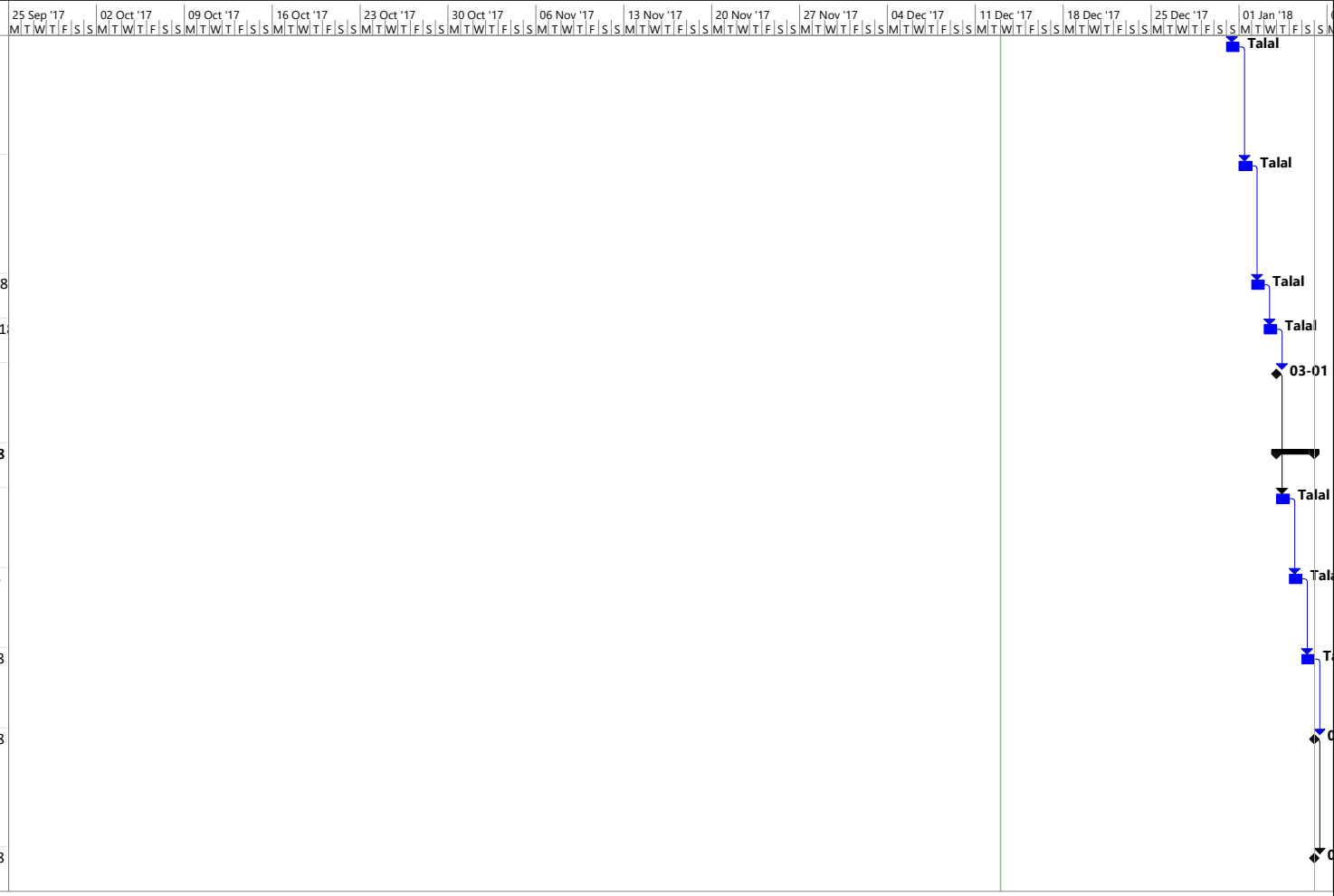
72	E.3.2	Develop deployment methodology	1 day	Sun 31-12-17	Sun 31-12-17
73	E.3.3	Secure deployment resources	1 day	Mon 01-01-18	Mon 01-01-18
74	E.3.4	Train support staff	1 day	Tue 02-01-18	Tue 02-01-18
75	E.3.5	Deploy software	1 day	Wed 03-01-1	Wed 03-01-1
76	E.3.6	Deployment complete	0 days	Wed 03-01-18	Wed 03-01-18
77	**E.4**	**Post Implementation Review**	**3 days**	**Thu 04-01-18**	**Sat 06-01-18**
78	E.4.1	Document lessons learned	1 day	Thu 04-01-18	Thu 04-01-18
79	E.4.2	Distribute to team members	1 day	Fri 05-01-18	Fri 05-01-18
80	E.4.3	Create software maintenance team	1 day	Sat 06-01-18	Sat 06-01-18
81	E.4.4	Post implementation review complete	0 days	Sat 06-01-18	Sat 06-01-18
82	F	Software development complete	0 days	Sat 06-01-18	Sat 06-01-18



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