Sprint 4 Network Diagram

Legend

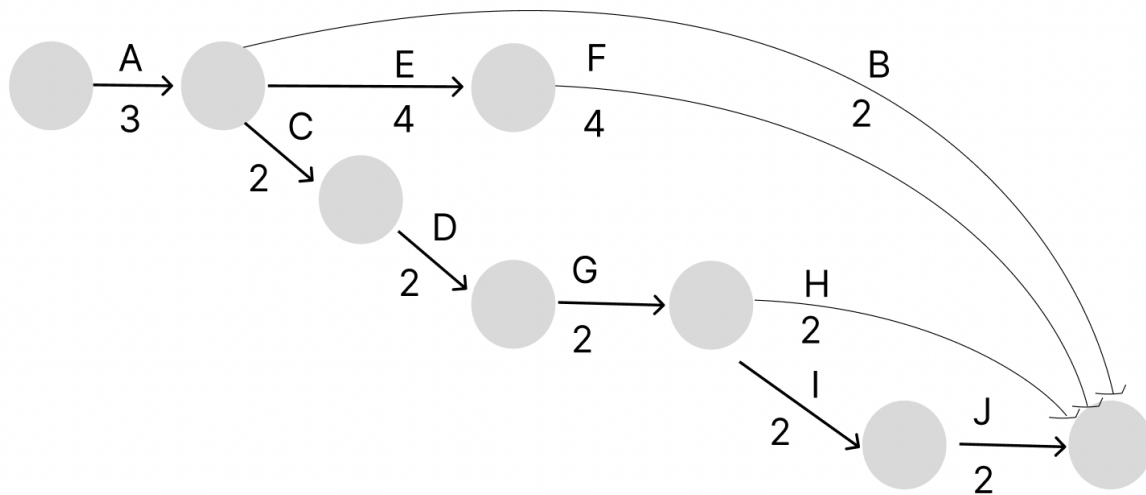| Activity	Predecessor	Duration
A=COB-37		3 days
B=COB-48	A	2 days
C=COB-6	A	2 days
D=COB-36	C	2 days
E=COB-35	A	4 days
F=COB-31	E	4 days
G=COB-12	D	2 days
H=COB-9	G	2 days
I=COB-16	G	2 days
J=COB-34	I	2 days

Pre-diagram

As we can see the network diagram has about 3 free nodes. To reduce the use of dummy nodes we will connect 3 edges towards the bottom half.
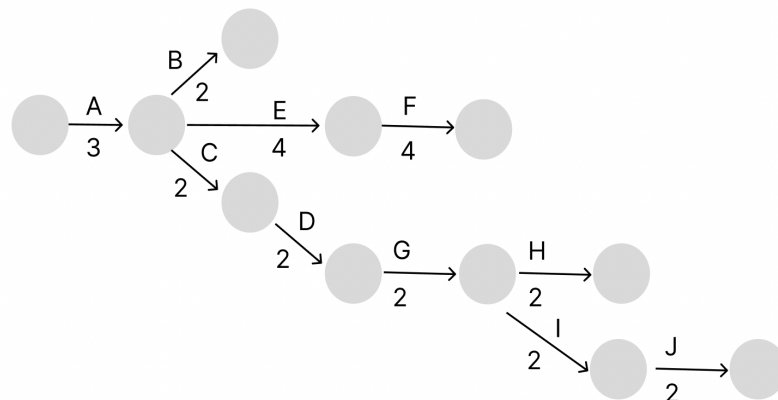
Final-diagram

A → B ⇒ 3 + 2 = 5
A → E → F ⇒ 3 + 4 + 4 = 11
A → C → D → G → H ⇒ 3 + 2 + 2 + 2 + 2 = 11
A → C → D → G → I → J ⇒ 3 + 2 + 2 + 2 + 2 + 2 = 13

Critical Path: A → C → D → G → I → J.

Conclusion

Based on the findings of a network diagram, our team made the decision to split into one main group, this group focused on the critical path as it has the most emphasis due to being the critical path. A small group will focus on completing the paths of B, E, F, and H as they are only nodes that don't correspond to the critical path. Utilizing this knowledge, the team successfully completed the sprint on time, accomplishing all user stories.