

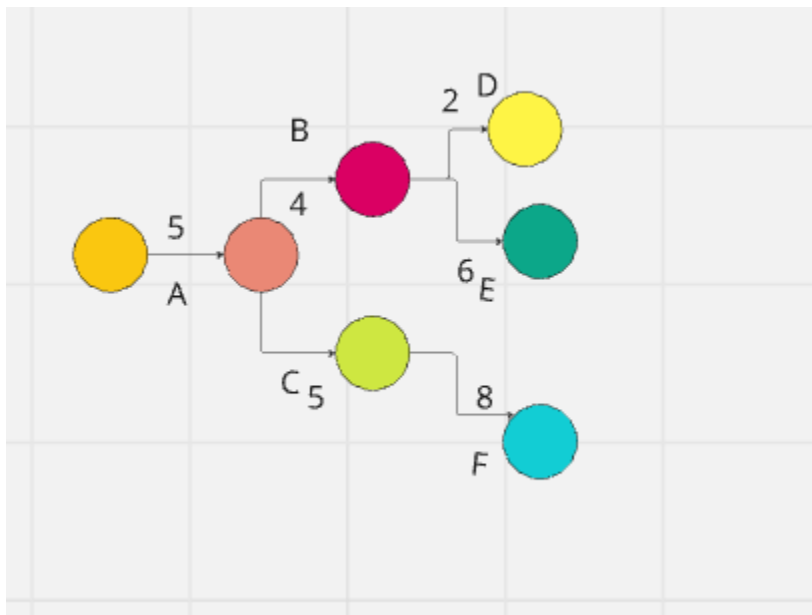
Sprint 4

Activity	Description	Predecessor	Duration
LC-29 = A	View comments	None	5 days
LC-33 = B	Filter Hateful comments	LC-29	4 days
LC-34 = C	Reply to comments	None	5 days
LC-35 = D	Upvote/Downvote	None	2 days
LC-37 = E	Customize profile	None	6 days
LC-39 = F	Assignment 2 tasks	None	8 days

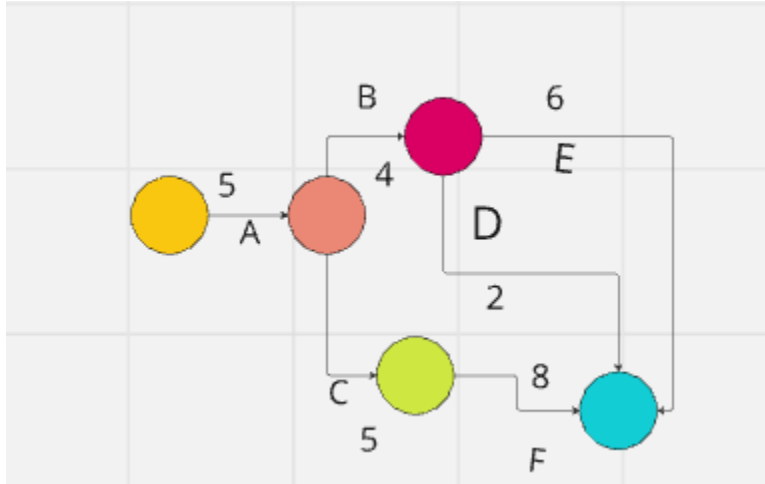
Note: LC-29 kind of depended on LC-33 as both the features shared the same textbox to enter comments .

PRE - DIAGRAM

Notice that the upper half has 2 dummy nodes to reduce this we connect them with the bottom node.



Final Diagram



The paths available are

Path **A-D-E**: Duration = $5 + 2 + 6 = 13$

Path **A-B-E**: Duration = $5 + 4 + 6 = 15$

Path **A-C-F**: Duration = $5 + 5 + 8 = 18$

Therefore the critical path is A->C->F

After examining our network diagram, we divided our team into two subgroups, each focusing on a distinct part of the diagram. We determined that the critical path was through the lower section, prompting us to direct additional efforts there. This strategy allowed us to maintain our timeline and successfully complete all user stories by the sprint's end. By adopting this method, we effectively managed the project and ensured timely delivery of all components.