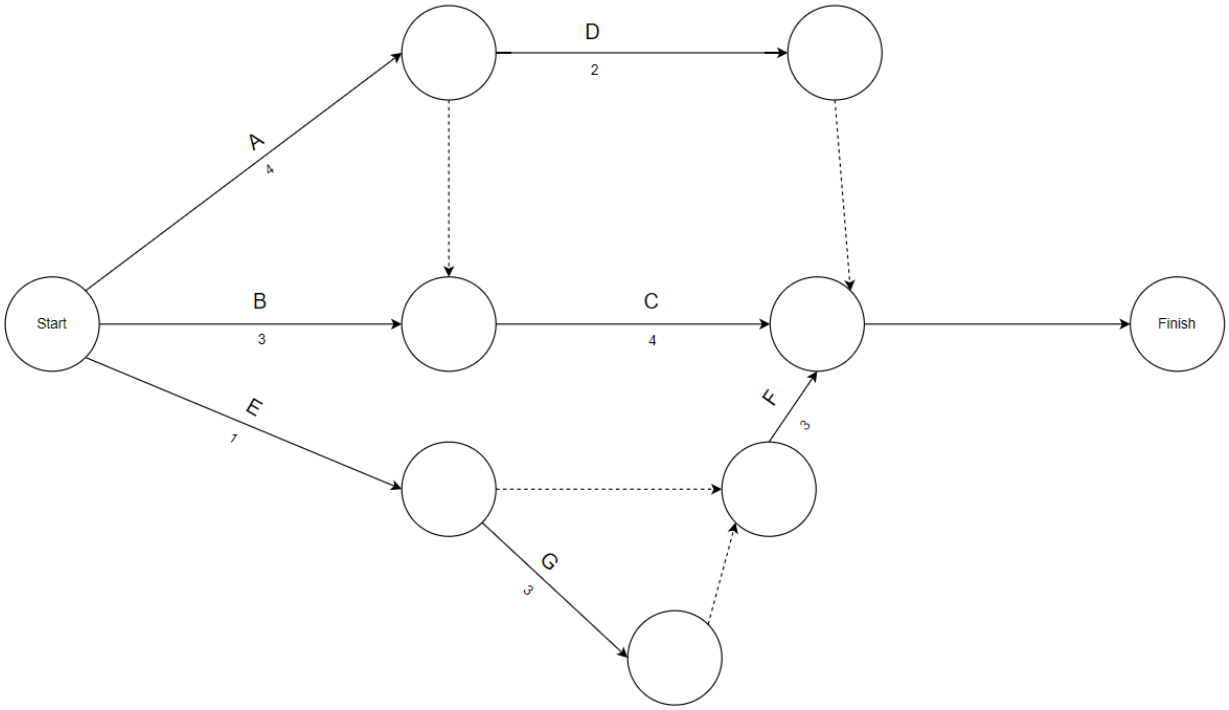
Network Diagram *Sprint 3*

Legend

Activity	**Predecessor**	**Duration**
A (SCRUM-25: As a student, I would like to be able to rate and give feedback on my tutor, so that I can support my tutor and inform other students of the tutor's teaching.)	N/A	4 days
B (SCRUM-24: As a tutor, I would like to edit my hourly rate, GPA, and past courses so that I can attract more students.)	N/A	3 days
C (SCRUM-26: As a student, I would like to view tutor profiles, so that I can view more details, so I can make a more informed decision about hiring them.)	A, B	4 days
D (SCRUM-9: As a student, I would like to filter my search based on hourly rate, language, and tutor rating, so that I can find a tutor that best fits my needs.)	A	2 day
E (SCRUM-14: As a student, I would like to record tutoring sessions, so that I can re-watch them on my own time whenever I need to.)	N/A	1 day
F (SCRUM-15: As a student, I would like to view a list of my recordings on the 'Recordings' tab so that I can look back at any	E, G	3 days

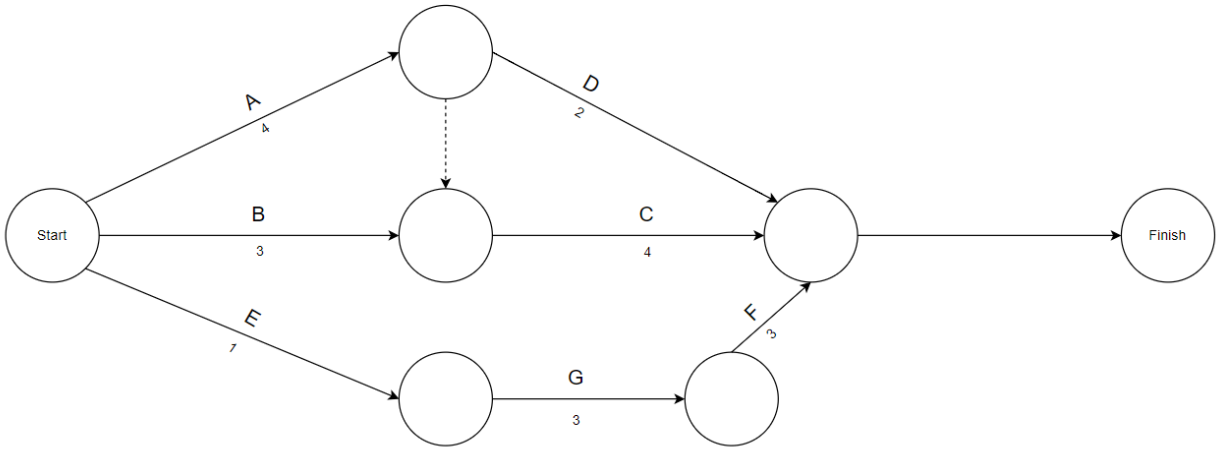
content that I require.)		
G (SCRUM-16: As a student, I would like to be able to read an auto-generated summary/transcription of the contents of the recorded online sessions, so that I quickly skim through the material.)	E	3 days

Pre-Diagram



The initial diagram, including dummy nodes, before cleanup. As there are 2 unnecessary dummy nodes, remove and connect them to the final stage/node

Final Diagram



Finding Critical Path:

A → D = 4 + 2 = 6

B → C = 3 + 4 = 7

E → G → F = 1 + 3 + 3 = 7

Critical Path: A → C = 4 + 4 = 8

Conclusion

> Based on the findings of a network diagram, our team made the decision to split into two groups, with each group focusing on either the upper or lower half of the graph. Greater emphasis was placed on the lower half of the graph throughout the sprint, as it represented the critical path in the network diagram. Utilizing this knowledge, the team successfully completed the sprint on time, accomplishing all user stories.

From observing the network diagram, our team was able to successfully divide up the tasks to achieve efficiency in completion. Determining the critical path allowed the team to divide the tasks into 2 groups, the upper and middle path and the lower path. As the upper and middle path was on the critical path, more emphasis was placed on those tasks (thus a split of 3 to 2 group members, 3 being on this half of the diagram). Utilizing the knowledge of the dependencies and critical path allowed the team to successfully complete all but one of the sprint and associated user stories on time, the incomplete one due to misjudgement on scope and difficulty of task.