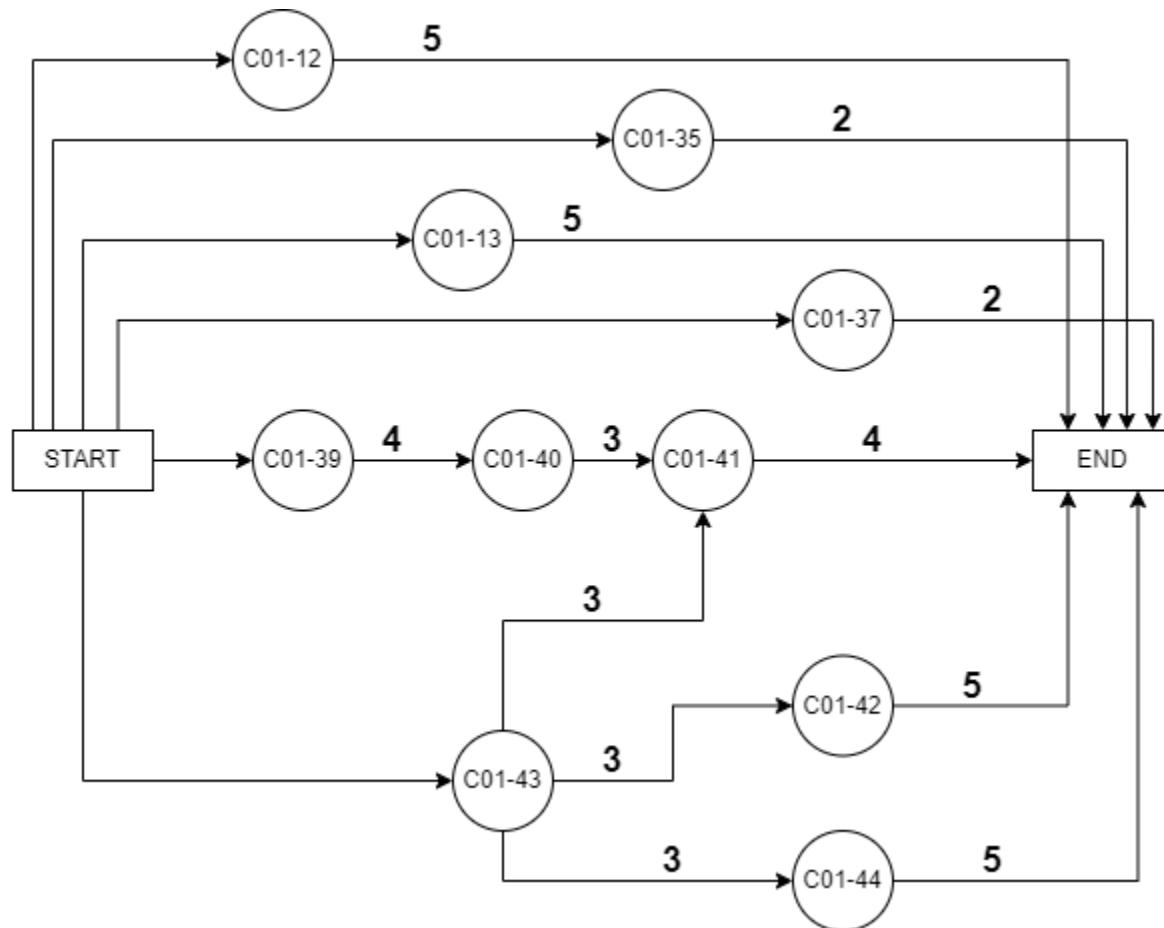# Network Diagram

C01-12: Student User Edit Profile

C01-13: Startup User View Profile

C01-35: Fix Ability to View Profile in Dev Branch for Startups and Students

C01-37: Student User Homepage Navigation Bar

C01-39: Creating Cue Cards Versions of Profiles to be put in All Students Page

C01-40: Creating All Students Page with Filtering Options

C01-41: Creating a Popup for Sending a Message when Clicking Message on one of the Cue Cards

C01-42: Add 'Create Group' and 'Invite to Group' Buttons on Messages Page

C01-43: Fetching Messages from the Backend

C01-44: Displaying Messages in the Frontend

The critical path of the network diagram is:

C01-39 -> (C01-40 and C01-43) -> C01-41

How to ensure sprint is on track:

We identified the critical path and made sure that the tasks on the critical path were prioritized. We also made sure that the tasks on the critical path were assigned to the team members with the most experience in the area.

We maintained frequent communications with the team members to ensure that they were on track with their tasks. We also made sure that the team members were aware of the critical path and the importance of the tasks on the critical path.

We utilized the agile principles and practices such as daily standups and sprint planning to make adjustments to the sprint plan as needed.

In case you were unable to finish:

Reasons for incompleteness:

- C01-41 is on the critical path, the functionality is hardcoded to be sent to only one person. The reason for its incompleteness is that it is the final task on the critical path and required more time than expected.
- C01-42 is dependent on C01-43 and its worth a high amount of story points. It is complete; however, the integration could not be completed on time.

What can be learned:

- Consider implementing an iterative development approach where functionality is incrementally added and tested. This allows for early identification of any integration issues and provides opportunities for timely adjustments.
- When estimating the duration of tasks, consider the time needed for integration and merging branches. This helps ensure that tasks on the critical path receive adequate attention and time for completion.
- Allocate time for thorough testing and validation of the integrated components.