# Course Matrix/term-group-project-c01w25-project-course-matrix
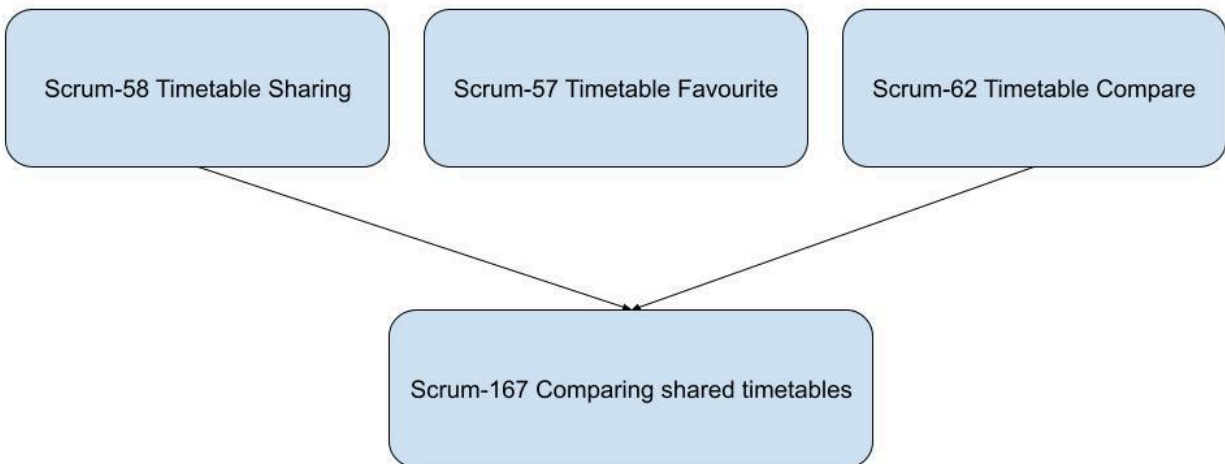
## User Stories and Their Dependencies

In Sprint 4, the three remaining user stories had dependencies that needed to be completed before they could be worked on. However, since Scrum-46 was completed in Sprint 3, all three user stories could begin simultaneously at the start of Sprint 4. The following is a list of all user stories that were started concurrently in Sprint 4:

- Scrum-58 Timetable Sharing
  (https://cscc01-course-matrix.atlassian.net/browse/SCRUM-58)
  Dependency: (Start to Start) Scrum-46 Timetable Basics/Insertion
  (https://cscc01-course-matrix.atlassian.net/browse/SCRUM-46)
- Scrum-62 Timetable Compare
  (https://cscc01-course-matrix.atlassian.net/browse/SCRUM-62)
  Dependency: (Start to Start) Scrum-46 Timetable Basics/Insertion
  (https://cscc01-course-matrix.atlassian.net/browse/SCRUM-46)
- Scrum-57 Timetable Favorite
  (https://cscc01-course-matrix.atlassian.net/browse/SCRUM-57)
  Dependency: (Start to Start) Scrum-46 Timetable Basics/Insertion
  (https://cscc01-course-matrix.atlassian.net/browse/SCRUM-46)
- Scrum-167 Comparing shared timetables
  (https://cscc01-course-matrix.atlassian.net/browse/SCRUM-167)
  Dependency: (Start to Start) Scrum-62 Timetable Compare
  (https://cscc01-course-matrix.atlassian.net/browse/SCRUM-62;
  Scrum-58 Timetable Sharing
  (https://cscc01-course-matrix.atlassian.net/browse/SCRUM-58)

From this, we can gather that the critical points in our Sprint 4 were:
- Scrum-58 Timetable Sharing
  (https://cscc01-course-matrix.atlassian.net/browse/SCRUM-58)
- Scrum-62 Timetable Compare
  (https://cscc01-course-matrix.atlassian.net/browse/SCRUM-62)

**Network Diagram**



**Keeping Schedule**

Since all the majority features have been resolved during the previous sprint, Sprint 4 only has two small critical points that we need to prioritize. Therefore, we encountered no major issues in completing all planned features on time. Given its complexity and potential impact on the sprint schedule, we prioritized Scrum-58 and Scrum-62 and dedicated the most effort to ensuring its timely and high-quality completion.

**What Went Wrong**

In addition to normal sprint tasks, a significant portion of our resources was allocated to preparing for the final demo presentation in class. This shift in focus affected the time available for designing and executing integration and unit tests. Although we successfully completed the sprint on time, the process was rushed, placing substantial strain on the team.

**Learnings**

The key takeaway from Sprint 4 is the importance of balancing regular sprint work with special events, such as stakeholder presentations. Due to the importance of the class presentation, sprint tasks were postponed until later in the sprint, leading to a rushed development cycle.

Moving forward, we recognize that similar events may arise and we must plan accordingly to ensure that critical milestones are addressed in parallel with sprint tasks. This approach will help prevent delays and maintain steady project progress while also meeting external commitments.