

## Course Matrix/[term-group-project-c01w25-project-course-matrix](https://csc01-course-matrix.atlassian.net/browse/term-group-project-c01w25-project-course-matrix)

### User Stories and Their Dependencies

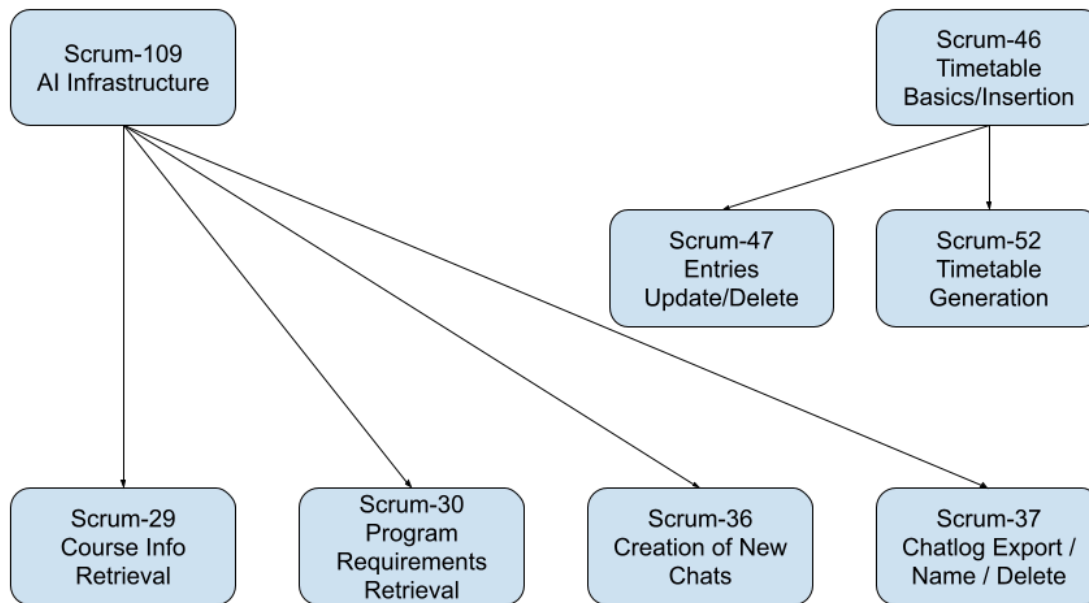
In Sprint 2 many of our user stories had dependencies that needed to be completed first before being completed themselves. The following is a list of all user stories that have dependencies that first needed to be completed.

- Scrum-29 Course Info Retrieval  
(<https://csc01-course-matrix.atlassian.net/browse/SCRUM-29>)  
Dependency: (Start to Start) Scrum-109 AI Infrastructure  
(<https://csc01-course-matrix.atlassian.net/browse/SCRUM-109>)
- Scrum-30 Program Requirements Retrieval  
(<https://csc01-course-matrix.atlassian.net/browse/SCRUM-30>)  
Dependency: (Start to Start) Scrum-109 AI Infrastructure  
(<https://csc01-course-matrix.atlassian.net/browse/SCRUM-109>)
- Scrum-36 Creation of New Chats  
(<https://csc01-course-matrix.atlassian.net/browse/SCRUM-36>)  
Dependency: (Start to Start) Scrum-109 AI Infrastructure  
(<https://csc01-course-matrix.atlassian.net/browse/SCRUM-109>)
- Scrum 37 Chatlog Export/Name/Delete  
(<https://csc01-course-matrix.atlassian.net/browse/SCRUM-37>)  
Dependency: (Start to Start) Scrum-109 AI Infrastructure  
(<https://csc01-course-matrix.atlassian.net/browse/SCRUM-109>)
- Scrum-52 Timetable Generation  
(<https://csc01-course-matrix.atlassian.net/browse/SCRUM-52>)  
Dependency: (Start to Start) Scrum-46 Timetable Basics/Insertion  
(<https://csc01-course-matrix.atlassian.net/browse/SCRUM-46>)
- Scrum-47 Entries Update/Delete  
(<https://csc01-course-matrix.atlassian.net/browse/SCRUM-47>)  
Dependency: (Start to Start) Scrum-46 Timetable Basics/Insertion  
(<https://csc01-course-matrix.atlassian.net/browse/SCRUM-46>)

From this we can gather that the two critical points in our sprint are:

1. Scrum-109 AI Infrastructure  
(<https://csc01-course-matrix.atlassian.net/browse/SCRUM-109>)
2. Scrum-46 Timetable Basics/Insertion  
(<https://csc01-course-matrix.atlassian.net/browse/SCRUM-46>)

### Network Diagram



### Keeping Schedule

The main way we kept our project on schedule was making sure that even if our critical points were not yet completed, that they were complete enough that such that we could work on a few of the other user stories. Due to this all of our user stories were at least partially completed with our AI assistant feature being completed. Other ways we kept on schedule was designating work periods where we knew everyone would be working on the project at the same time allowing us to implement, review, and approve features on time.

### What Went Wrong

Firstly, from what was listed we managed to complete all our AI related features but some of our timetable features are yet to be completed. From our network diagram the difficulties are clear, that being our critical point Scrum-46. This critical point was difficult to complete with a difficulty rating of 5. Additionally, throughout the sprint it becomes clear that this was an underestimation. Due to this, completing Scrum-47 and Scrum-52 was not possible this sprint.

### Learnings

From this sprint the main takeaway is the following: we need to be more realistic with what we can accomplish in a single sprint. We anticipated being able to complete a total of upwards of 60 user story points which was clearly too much. In future sprints we will try to be more realistic with what we can accomplish. We need to be sure that we estimate our user

story points better so this is not repeated especially for critical points.