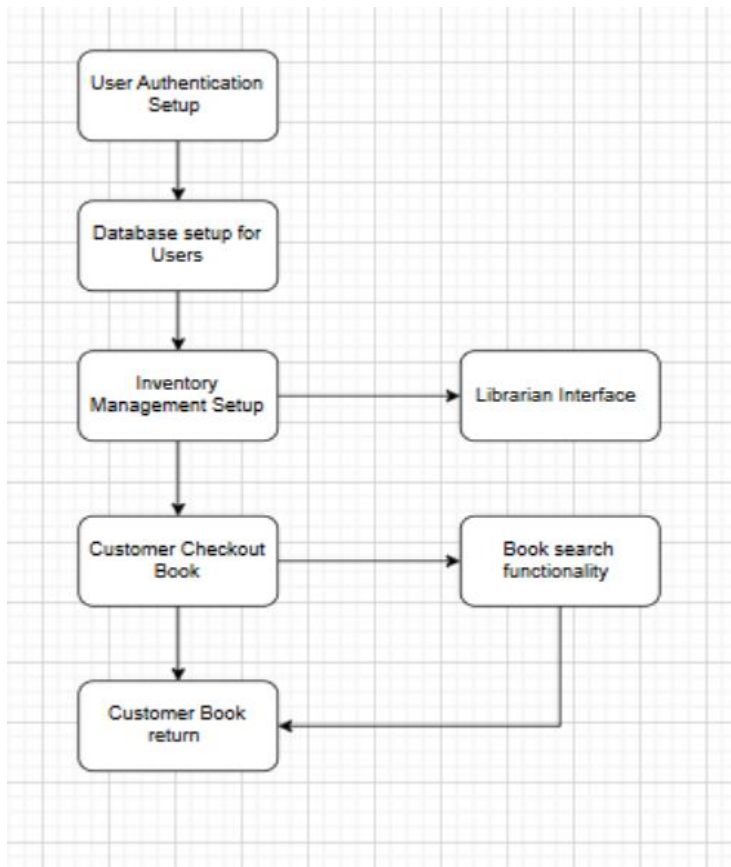


## Sprint Schedule and Network Diagram



### Critical Path:

The path is: User Authentication -> Database setup for users -> Inventory management setup -> Customer checkout book -> Customer Book Return

This critical path includes the sequence of dependent tasks that will require the most time to complete. Delays in any of these tasks will directly extend the overall project duration.

### Maintaining the Schedule:

- Prioritize Task: focus resources on the critical path task to avoid delays
- Monitor Progress: Use daily standups to ensure tasks on the critical path are progressing as planned and to quickly address any issues that come up.

In this project, we encountered delays and incomplete tasks mainly due to underestimation of task complexity and inadequate communication. From this, we learned the importance of good communication and accurate time estimations of tasks. We also learned the need to allocate more

resources to critical tasks to ensure we remain on schedule. This will help us in future sprints to improve planning and execution.