Network Diagram

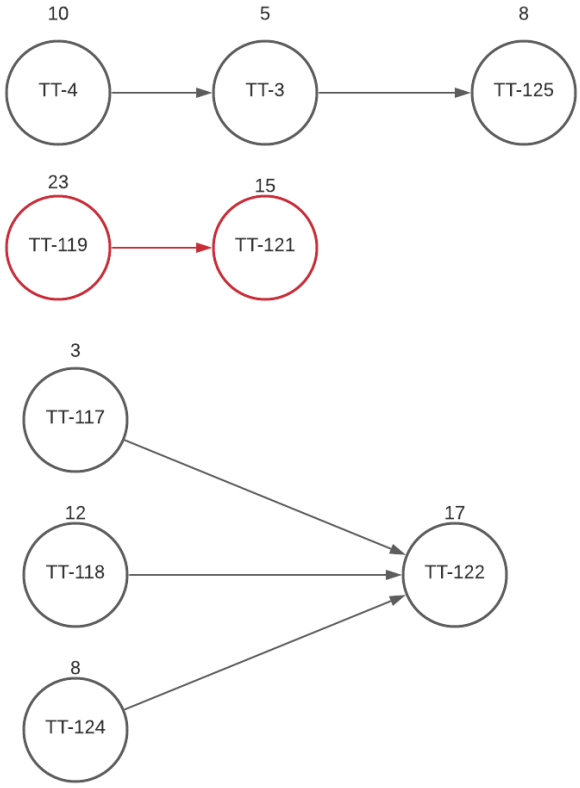

Figure 1: Network Diagram with Critical Path Outlined in Red

This network diagram illustrates the dependencies between sprint 4 tasks. The ticket number of the task on JIRA is indicated within the node. The number on-top of the node represents the time in hours the task is estimated to take. The critical path is outlined in red. An edge from A->B indicates that task A must be completed before task B can be started. Tasks not included in the graph have no dependencies and can be completed in parallel with the other tasks. Note that each connected component can be completed in parallel.

This graph has a similar structure to the graph presented in sprint3. There are not too many task dependencies and thus many tasks can be worked on in parallel. Note that the connected component at the bottom includes tasks from two user stories whereas the other two connected components include tasks from a single user story. This is the first sprint where we had tasks from one user story depend on tasks from another user story. The critical path in this sprint is short, which includes two nodes that take longer amounts of time than most other tasks. The tasks within the critical path correspond to the Google Calendar integration within the project. Thus, the critical path does not pose much of a bottleneck and more emphasis was placed on completing tasks outside of the critical path. TT-122 was an important task to be completed. However, to complete it, TT-117, TT-118 and TT-124 first had to be completed. Three

team members were assigned to work in parallel on the previous 3 stories so that TT-122 could be completed quicker.