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| **Date** | **Dairy** |
| 28 Oct | Requirement Studies |
| 29 Oct | Requirement Studies |
| 30 Oct | Environment setup and skeleton code |
| 31 Oct | **CSV:** accurately reading from the csv without any data overflow and run out of memory. Also it able to store without any data loss. |
| 1 Nov | **Socket communication:** client and server communication was not successfully setup |
| 2 Nov | **Socket communication:** client and server communication was setup and able to communicate between each other |
| 3 Nov | **First Matching Function Release:** matching function no need takes in parameter as it will auto loop buy pending list and sell pending list and find the same key (price and symbol) then do the further operation but been limited by memory  **Testing:** Failed, most of the time is memory overflow but didn’t found out which code is having this problem. End of the day found out that the hash in unordermap will cause the overflow |
| 4 Nov | **Continue to update Matching Function:** matching function now takes in parameter (orders) to reduce the looping. It causes lesser memory to handle and can perform further more operation  **Testing:** Most of the testing fail for today since the matching logic is not that good and need to have more deep studies and find out the problem |
| 5 Nov | **Final update on the Matching Function:** matching function now able to accurately place the order without any data loss also match the order and smaller orderid will be match first  **View Pending List Function:** client able to see the buy and sell pending list  **View Holding Inventory:** client able to see their sold stock and purchased stock  **Testing:** Test the program workflow and make sure all the algorithm match with the desire logic and everything match the real world scenario. |
| 6 Nov | **Final Up and Final push to GitHub:** Final up everything and clear all the testing code also check the documentation and push to GitHub |