# <<Jacob Chlebowski - Team Rust>>

# Purpose

The purpose of this document is to give me information that I can use to appropriately assign grade-bearing credit for the project work. I am an external viewer of the work that was done, and this information will be useful in understanding how the teams worked.

# Introduction

This semester, I’ve had the opportunity to work with 3 other members on a AuctionHouseSite project which focused on full front and back-end development. I’ve made many accomplishments, learned copious amounts of information from class, and ensured the team (as well as myself) stayed on task in order to submit a successful project by December 13th.

For future students, my advice is if you want to be successful in this course (even if you feel like you’re a bit weak in the CS field), is to take the initiative and make small goals. Take on a small lambda function and attempt to make it work, and then flatten out the wrinkles with the team. Also, ensure you do your work in a timely fashion. Give yourself and the team deadlines in order to stay on track.

# Your accomplishments

Since I’ve taken the undergraduate version of this course, I was definitely more prepared for not only what to expect, but how to adapt to changes for this project. TypeScript was a new language, and also adding that extra ImmediateBuy use case was also something fun to accomplish. I whole-heartedly believe I lead this team throughout the semester in almost all aspects respectively, including Git version control, team documents/files, AWS, and the SQL database. I was happy to do so, and I got to prove to myself that I’m fully capable of leading a team in any and all aspects. I’ve completed around 15 lambda functions total, in which I include helping other less experienced teammates with their lambda functions.

The accomplishment I’m most proud of completing is the PlaceBidBuyer lambda function. While it seems simple it nature, there’s quite a bit that goes on in there including error checking for the status of an item/user and a buyer’s overall allowance, which includes all current active bids they are holding where they are the highest bid. It took a bit of planning, but once I figured out how to properly iterate through each of the requirements in order to place a bid, which did include multiple queries, I successfully implemented this use case. Another reason I’ve enjoyed this accomplishment so much as well is because I got to work closely with another groupmate (Zaq) on this task where he worked on checking the expiration date on items and implementing that in almost every function.

An accomplishment I’m least proud of is probably the front-end development (seller-page in particular). Since the assignment focused less on the GUI and more on the functional side of things, I didn’t care much for how the site looked.

# Lessons learned

I’ve learned so much more about version control with Git. I enjoyed the workflow of branching off to another work zone and merging it back together. I also learned that merge conflicts aren’t the end of the world and that they’re actually a great way for the team to go over those conflicts and find out what each person was trying to attempt with the code. Overall, a great learning experience.

Class was a good way to learn the full scope of a functional site (from SQL database to front end hosted via AWS). The lessons were particularly useful when related to the workflow of our project. The recorded bits of how to setup the database, access AWS, and for the individual project as well was great.

What would I have done differently? Nothing. I put in full effort for both the individual project and team project to ensure the team was successful.

# Advice to future teams

Be prepared to be a leader. Take the initiative on work that no one else may want to do, because it helps you in the long run in terms of understanding the full scope of the project. If you don’t take initiative and let others do the work, it’s not only disappointing to them, but is a let down to the team, and quite literally your grade.

# Cheers and jeers

# (Section stays confidential)

A teammate I would like to give special recognition to is Zaq Humphrey. He was reliable and it was easy to communicate with him on project objectives.

For the other 2 members, I couldn’t always rely on them to communicate with me on a task or if they were having trouble. I don’t believe they watched any of the lectures which resulted in myself re-teaching concepts (SQL database access, creating AWS lambda function) to them. I understand Sam and Matt did not have prior CS experience, but it made it a bit more difficult for me to catch them up on our course. Sam was a bit more reliable in communication and completing work, but again did not spend as much time as he should have on the material. However, I have noticed improvements for Sam throughout the semester and see that he did put in some level of effort to complete his tasks. He also asked for help on his code too, which I was more than happy to help with because it was a shared learning experience.

Matt didn’t provide much in the beginning of the semester even after multiple emails and discord notifications for working on our analysis. We even held 2 meetings which he did not participate in (and he did not even say he could not attend). It wasn’t until the day before the initial group analysis was due where he finally reached out and said he would get it done, by which point we already did his portion because we were receiving no communication.

Up until the final iteration, Matt has been working on the same 2 use cases for 4 weeks (ArchiveItem, Fulfill Item). While it’s not detrimental to the project progress, the work we do is reliant upon each other’s work. What we don’t want to happen is have Matt turn in his work 3 days before the final iteration only to find out it’s not compatible with the other use cases, which in turn adds more time spent working on the project. When Matt could attend meetings, he’s usually quiet or had to leave early (which I can understand under a tight schedule, but he never proposed new meetings times or asked for updates on the meeting). Overall, I think Matt was kind and understood what needed to be done for his portion of the work, but there were constant delays in his ability to deliver and an acute understanding of the workflow in terms of what the use cases meant.

For both Sam and Matt, it was common for me to highlight exactly what they should do because if I didn’t specify, the bare minimum would’ve been done (ex: fulfilling an item also results in archiving an item, but if I didn’t specify that to them, it likely wouldn’t have gotten done).