CSCI 3060U Final Project Test Plan (tentative)

I. Introduction

A. Objectives

Designing an auction-style sales service (product name pending). The product will be written in C++ for the front end and Python for the backend. The application will be run through a command line interface.

B. Members

- Luis Octavo
- Owais Najmi
- Islam Nuryyev
- Bhargav Parekh

II. Scope

At the end of the project schedule, the client must be able to:

1. Start a front end session
2. End a front end session
3. Create users with the ability to bid / advertise
4. Remove users
5. Put an item up for auction
6. Make a bid for items
7. Issue refunds
8. Add credit for account purchases

Additional Functionalities / Requirements:

1. Create a daily transaction file
2. Items cannot contain negative days remaining
3. All usernames must be unique

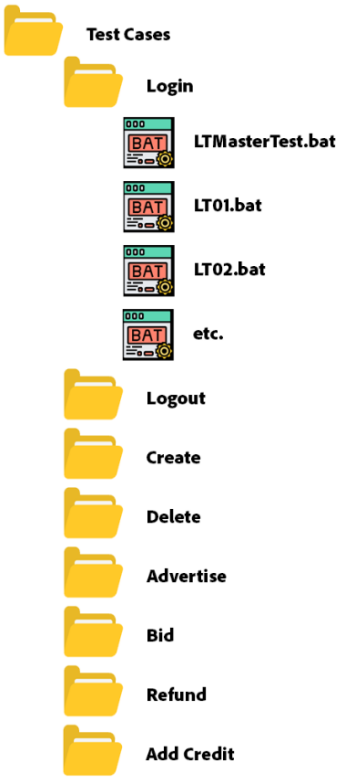
III. Assumptions

The project will consist of six (6) phases. Delivery of each phase will have a firm date. All team members are expected to have some programming experience.

IV. Test Structure

Program Test Cases Directory:
The project will follow a simple directory structure of a feature name containing the test cases inside. Once the test cases are standardized, they can be possibly combined into a comprehensive singular test.

Example Directory Structure:



Approaches:
Testing will be performed through batch (.bat) files executing different test cases. Initially it would be a batch file for every test case then after verification it will be added into a master batch file under that category.

Output:
Each test case will output either a pass or fail pop-up. For further details, the output will be possibly logged as a batch.log file. Formatting can / will be added into the log filename to state the name of the test case, software version and time of execution.

V. Schedule

Phase #1: Front End Requirements	February 3, 2023
Phase #2: Front End Rapid Prototype	February 17, 2023
Phase #3: Front End Requirements Testing	March 3, 2023
Phase #4: Back End Rapid Prototype	March 17, 2023
Phase #5: Back End Unit Testing	March 31, 2023
Phase #6: Integration and Delivery	April 10, 2023