CPSC 304 Project Cover Page

Milestone #: 3

Date: 25 October 2024

Group Number:_____26_____.

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

1. A brief (~2-3 sentences) summary of your project.

Our project will model the entities that include auction sessions, auctioneers, items, delivery vehicles, storage facilities, appraisers, and customers. In the auction domain, auctioneers facilitate the bidding process, items are auctioned, and customers participate as either sellers or bidders.

2. Timeline and task breakdown/assignment:

Things to Complete

1. Determine what features the UI will contain (what buttons, what the user can enter) - *Completed as a Group*
2. Create tables for sql script and insert tuples into the database - *Each group member will add 5 tuples to each table and verify that the tables contain the correct information*
3. Develop front end interface based on the determined buttons and what features are desired (basic GUI)
   - Buttons and Action Elements - *rioto, aadesh*
   - Headers (any text) - *kelvin*
   - Return data from the database to be displayed - *aadesh*
   - Error handling - *kelvin*
4. Create queries to connect the front end to the database
   - INSERT, DELETE, UPDATE, selection, projection, join, aggregation (with 'group by' and 'having'), nested aggregation, division - *completed as a group (each member will be responsible for a different query (3 queries each).*

Note* We have not determined the exact queries we want to implement yet which is why we have not specified but each group member will do A MINIMUM of 3.

Dates for Completion

Nov 1 - 1
Nov 5 - 2
Nov 22 - 3
Nov 15 - 4

Challenges

- Making efficient SQL queries, especially for complex operations (e.g. JOIN operations across multiple tables) that are crucial for auction transactions, bid tracking, and delivery logistics.
- Ensuring the GUI is user friendly, allowing smooth interaction with the database. We need the UI to display items, facilitate bidding and update item statuses dynamically.

- Preventing invalid data from entering the system (e.g. invalid bids) to maintain the database's reliability.