Dates:

- Milestone 4: Friday, November 25th
- Milestone 5 (Presentation): Friday, December 2nd

** SELF DEADLINE: Complete all functional tasks by Sunday, November 20th

SQL
WRITTEN
SCHEMA
GUI INTERFACE
GROUP DEMO
MULTIPLE CATEGORIES

Legend:
Task Leader(Support/Verification)

Mathias/Henry → (Completed on or before November 10th)

- SQL script to create tables and data within database

Henry (Mathias) → (Completed on or before November 10th)

- Create one query of this category, with 3-5 attributes in the projection condition, but not SELECT *. If you wish, you can have the user select the attributes from a drop- down list, but we will accept a hard-coded SELECT statement for the table(s) in question. This can be combined with another step if there are 3-5 attributes in the projection (but not SELECT *).

Mathias (Henry) → (Completed on or before November 10th)

- Create one query in this category, which joins at least 2 tables and performs a meaningful query, and provide an interface for the user to execute this query. The user must provide at least one value to qualify in the WHERE clause (e.g. join the Customer and the Transaction table to find the names and phone numbers of all customers who have purchased a specific item).

Will (Mathias) → (Completed on or before November 10th)

- Create one meaningful query that requires the use of a HAVING clause, and provide an interface (e.g., HTML button/dropdown, etc.) for the user to execute this query.

Henry (Will) —> (Completed on or before November 10th)

- Create one query that finds some aggregated value for each group (e.g., use a nested subquery, such as finding the average number of items purchased per customer, subject to some constraint). Some examples for the Sailors table are given in the project specs. Note the difference between this query and the above Aggregation Query. You must use separate distinct queries for this criterion and the Aggregation Query (i.e., do not double dip). It is fine to use a view to get the desired behavior.

Mathias (Will) – (Completed on or before November 20th)

- Write a short description of our finished project including its purpose and what it does

Will (Henry) – (Completed on or before November 20th)

- A description of how our final schema differed from our original schema

Henry (Mathias) → (Completed on or before November 20th)

- A copy of the schema and screenshots that show what data is present in each relation after the SQL initialization script is run

Will (Henry) → (Completed on or before November 20th)

- Provide an interface for the user to specify some input for the insert operation.

Will (Henry) → (Completed on or before November 20th)

- Provide an interface for the user to specify some input for the update operation.

Will (Mathias) → (Completed on or before November 20th)

- Screenshots of the sample output of the queries using the GUI (for example, you can show what data is in your table before you run the query, and then show another screenshot after running the query, from some kind of GUI input like a button).

Will (Henry) → (Completed on or before November 20th)

- Create one query that requires the use of aggregation (min, max, average, or count are all fine), and provide an interface (e.g., HTML button/dropdown, etc.) for the user to execute this query.

Mathias (Will) (Completed on or before November 20th)

- Implement a cascade-on-delete situation (or an alternative that was agreed to by the TA if the DB system doesn't provide this). Provide an interface for the user to specify some input for the deletion operation.

Henry (Mathias) → (Completed on or before November 20th)

- Create one query of this category and provide an interface (i.e., HTML button, etc.) for the user to execute this query (e.g., find all the customers who bought all the items).

Mathias (Henry) → (Completed on or before November 20th)

- Create one query of this category and provide an interface for the user to specify the values of the selection conditions to be returned. Example:
  SELECT ...
  FROM ...
  WHERE Field1 = :Var1 AND Field2 > :Var20 = Incorrect or missing

Everyone (Completed on or before November 20th)

- A README.txt file that contains information that has not been included in your other project deliverables. In the event that there is no "extra" information to include in this file, you can submit a txt file that says "No extra information".

Everyone (Completed before December 1st)

- Practice and organize ourselves and our project for the group presentation