Report

ENTITY RELATIONSHIP DIAGRAM REVIEW

What we learned
- We learned how to create an ER diagram
- How to simplify an ER diagram
- When to simplify an ER diagram
- Advantages of using an associative relationship

Problems we ran into
- We really overcomplicated our ER diagram the first time around
- How associative relationships work
- What entities and attributes are needed for a testing database

SCHEMA REVIEW

What we learned
- How to create a schema from an ER diagram
- How to show relationships between multiple schema tables
- Why schemas are important for creating a database

Problems we ran into
- Showing the foreign keys using lucid charts
- Mislabeling an attribute in the schema
- Turning a multi-value attribute into a schema

NORMALIZATION REVIEW

What we learned
- What each of the normalization forms are
- How to prove that our schemas are in BCNF starting from 1NF
- How to show dependencies between attributes in schemas

Problems we ran into
- Determining if how associative relationship schema was is BCNF or not
- Figuring out what BCNF meant

SQL TABLE CREATION REVIEW

What we learned
- How to create tables in SQL
- Adding constraints onto tables
- Having multiple attributes as the primary key
- How to add checks
- How to add foreign key restraints

Problems we ran into
- Adding multiple tables at a time
- Adding the check constraints to engineer role
- Thought int datatypes took parameters when they do not
- Adding a time datatype
- Named an attribute 'data' with the datatype 'DATA' and that is not allowed

SQL TUPLE CREATION REVIEW
What we learned
- How to add multiple rows into a table at a time
- How to insert rows into a table

Problems we ran into
- Inserting multiple rows into a table
- Inserting multiple rows into a table when the table has two primary keys of the same datatype as the only attributes

SQL QUERIE REVIEW
What we learned
- How to come up with a good SQL query
- How to convert an English description of a query into a SQL query
- How to join multiple tables and grab specific values from the new table

Problems we ran into
- Deciding what SQL queries to create
- Confirming that our SQL query results are correct
- Joining tables using just the 'from' command

OVERALL PROJECT REVIEW
What we learned
- How to get relevant information from an interview
- How to create an ER diagram
- How to create a schema from an ER diagram
- How to convert a schema into a table in Oracle
- How to fill a table with rows
- How to write SQL queries to get specific information from Oracle
- How to create a database about software testing

Problems we ran into
- Finding someone to interview
- Creating an overly complicated ER diagram
- Understanding what BCNF was exactly
- Creating multiple tables at once in Oracle
- Filling a table with multiple rows at once in Oracle