Meeting 09/02/2022 - Charles and G; 9:41 AM - 10:41AM
- Phase 1: Due 10/14/2022 @ 5:00 PM

Plan of Attack

Start 09/03/2022 - End 09/07/2022
- Problem statement:
    - 2-3-page document with the definition of the real-world problem
    - Include 20 distinct queries that could be asked of the database written in plain English statements
    - must be a Markdown document stored in this repository.
        - LaTeX?
- To do this:
    - Each write a page or so based on the initial proposed problem
    - Come up with some queries individually
    - Come together to revise and combine
    - Meet ON 09/07/2022 - 9:00 AM to 10:30

Start 09/07/2022 - End 09/16/2022
- Entity-relationship diagram (ERD)
    - Created using proper software tools and consistent notation
    - Design should consist of at least 4 major entities
    - Uploaded as an image (.png preferred)

ON 09/14/2022
- Meet with Dr. leonard to get feedback on
    - Problem Statement
    - Queries
    - ERD

Start 09/16/2022 - End 09/23/2022
- Translation of the ERD into the relational model as relational schemas
    - Listing of relations, their attributes, types, domain, and constraints, identification of the primary key and foreign keys.

Start 09/23/2022 - End 09/28/2022
- Identification of the Functional Dependencies that exist for each relation, based on the real-world domain of the database

Start 09/28/2022 - End 10/07/2022
- Normalization of the relations according to BCNF/4NF

- A description, in a text format, of the process of decomposing the tables extracted from the ERD translation into relations satisfying BCNF/4NF that includes a justification of the normalization claim.
- **Decomposition via BCNF/4NF must be lossless.**

Start 10/07/2022 - End 10/10/2022
- Sample data for each relation that could be used to populate the database to illustrate the behavior and interrelationships among data
  - *Important! You must verify that the solution can reflect all data scenarios and information requisites identified in the problem statement.*

Review Phase 1 for professionalism and errors – 10/10/2022 - 10/14/2022

Submit on 10/14/2022