Assignment 1

Our client CollectionTV has some movies and TV shows that stored on csv files and after certain entries, they realized the data getting larger now, the current data managing method is no longer work properly. CollectionTV hired your team to design a database keeping all the data that the current files hold and future expanding.

Brief

Your client currently keeps track of the details of movies and TV shows from different platforms. The data can be viewed in the supplied CSV file. Considering the resources managing, they start to look for the advance method.

Capture all the information that is included in the files and also consider the future expanding situations.

Additional information you can go through the following link to get some ideas:
https://www.amazon.com/gp/video/collection/IncludedwithPrime

The Task

1. Design a Domain Model Diagram
    a. Capture all the relevant information.
    b. The design needs to meet 3rd normal form.
        i. Show the Normalization process for Netflix_title.csv and Hulu_titles.csv files
            1. Make sure you do the attribute synthesis

2. Translate your diagram into Table schemas.
    a. Clearly identify all relevant keys.
3. Construct Table creation statements
    a. Using the conventions discussed in class.
4. Write 5 insert statements for **each** table.
    a. Note: if there is not data for the table, you can make up some sample data by yourself.
5. Attend Interview on Week 8 class.

Submission

1. Submit Task 1.a & b in one pdf file named yourGroupName_Domain_model.pdf.
2. Submit Task 1.c in one pdf file named yourGroupName _Normalisation.pdf.
3. Submit Task 2,3, &4 in one word document named as yourGroupName _schemas.docx.
4. Submit Group Contribution form to state your contributions.

Interview

1. Interview Time will be on Week 8 Wednesday last 3 hours in class.
2. Fail to attend interview will result in 0 mark for this assignment automatically.

Marking Scheme

Domain Model UML [40]

- Attributes & Classes [10]
- Style [10]
- Normalisation Form [20]

Schemas [20]

- Attributes [10]
- Schema Keys [10]

Table Creation [15]

- SQL Statements [10]

- Constraint names and other conventions [5]

Insert statement [15]

- SQL Statements [10]
- Constraint names and other conventions [5]

Consistency [10]

- UML, Schemas, Statements match each other.

Penalty

GitHub [-50]

- Add my profile(EynesburyDDWT) to your project/git repository as collaboration
    - To avoid deduction of your final marks, you must commit as frequently as possible
    - Please name the project/git respository as your full name.

Late Submission [-5 per 12 hours]

- Submitting late than the due date will cause a 5-mark penalty for each 12 hours unless you applied special consideration.

Wrong Submission [-5]

- Submitting wrong types of files will cause 5 marks deduction.

Used the method that we did not discuss in the class [-50% of your mark]

Interview

- Could not answer any of the questions [-100]
- Could answer part of the questions [-20]

Using AI to assist you in doing the assignment is prohibited. Once detected, it will result in a 0 mark directly.

Notes:
To be able to get the marks, you have to use what we discussed in the class.

All data was gathered from Kaggle.

Any extension application will be considered ONLY if it is submitted before the due time.