Assignment 1-Data Design (5% of total grade)

Format: Upload a Word document (or pdf) to Blackboard (under ASSESSMENTS &TOOLS > Assignments).

BE SURE TO PUT YOUR NAME IN THE FILENAME:

e.g. DB-Assign1- YourName.docx

Purpose: To apply a data design mindset to various contextual challenges.

Requirements: For this assignment, answer the questions below in English, nocoding is required.

Part 1: Who? What? Where? When? Why? How? (1.5%)

Considering a database for a restaurant, **write two questions** for each of thefollowing groups that might be answered by the data stored in a database. Thequestions must be unique to their user group.

Restaurant Manager

1. What was the revenue for the month?

2. Who was the waiter/waitress who best served the customers?

Food Server (formerly known as 'waiter'/'waitress')

1. Which types of meals are served?

2. How much costs the meals served?

Customer

1. How would you rate your experience at the restaurant?

2. What was your favorite dish?

Part 2: Set the Tables (1.5%)

Considering a database for a public library, **identify three tables** that would bepart of its database.

1. Books

2. Books borrowed

3. Readers

Part 3: Log the Blog (1.5%)

Considering a database for a video games blog with multiple blog authors, **identify fields (columns)** that would belong to the authors and posts tables (4 each).

Authors Table

1. Name

2. Description

3. Field of experience

4. AuthorID

Posts Table

1. AuthorID

2. PostID

3. Title

4. Content

BONUS: Putting it together (0.5%)

Which field from the Authors table would match up with a field in the Posts table?

Answer: It's the authorID, because the authorID in the post table is what represents the author who made the post in the author table.