# **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, no coding is required.

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

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

### Restaurant Manager

1. Who is day manager of the restaurant ?
2. What is name of name of the manager ?

### Food Server (formerly known as ‘waiter’/’waitress’)

1. What is his/her employee ID
2. What is his her last name?

### Customer

1. What is the his/her order number?
2. What is time of order ?

## **Part 2: Set the Tables (1.5%)**

Considering a database for a public library, identify three tables that would be part of its database.

1. Genre
2. Author
3. Cover Type

## **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. Location
2. Gender
3. Age
4. Religion

Posts Table

1. Quality
2. Total number
3. Frequency of posting
4. Language

## **BONUS: Putting it together (0.5%)**

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

Answer: Location