# **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 the manager of restaurant?
2. What is the manager’s phone number?

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

1. What is the servers name?
2. What shift do they work?

### Customer

1. What type of customer are they? (VIP, GOLD, SILVER,…)
2. How did they know about restaurant? (Facebook, website, friend)

## **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. Table of library staff
2. Table of book categories
3. Table of library’s members

## **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. authorid
2. authorfname
3. authorlname
4. authoraddress

Posts Table

1. postid
2. posttitle
3. postcontent
4. authorid

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

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

Answer: the field of authorid in the Authors table would match up with a field of authorid in the Posts table.