# **Full Name : Reshmi Harikumar Lathakumari**

**Section : A**

**Student # : N01614330**

**Date : May 7, 2024**

# **Assignment 1-Data Design (8% 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? (3%)**

**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 restaurant manager?
2. What is the contact details of the restaurant manager?

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

1. How many of them asking for leave today?
2. How many of them got shift for Monday?

### Customer

1. Which food item is ordered?
2. How the customer pays his bill?

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

Considering a database for a public library, **identify 3 tables** that would be part of its database.

1. Staffs
2. Visitors/ Members
3. Books

## **Part 3: Log the Blog (3%)**

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. authorName
3. authorEmail
4. authorAddress

Posts Table

1. postID
2. authorID
3. postContent
4. postDate

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

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

Answer: authorID must be the connecting field.