

Lab 1: Data Design (4 Parts: 5% of total grade)

Download or make a copy of this lab and fill the answers in the copy.

Submission: When complete, export the document as a PDF. Name the file ***L1-Thamilchselvan_Kethereswaran.pdf***

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

Requirements: For this lab, 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. How many customers we got today?
2. How many hours everyone worked today?

Server (AKA waiter/waitress)

1. What is the regular customer eat?
2. Which are the tables should i serve?

Customer

1. What are special dish for this restaurant?
2. What is on the menu?

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. Author's Name
2. Language
3. Employee

Part 3: Log the Blog (1.5%)

Consider 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. Game Title
2. Name of the author
3. Email
4. Profile Name / User name

Posts Table

1. Date of release
2. User name
3. Blog name
4. Blogs views / No of Blogs

Part 4: Putting it together (0.5%)

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

Answer: User ID or Name