ISYS 464, FALL 2023, ASSIGNMENT 3, DUE DATE: Wednesday, 10/4/2023

Design a database for a company to keep track of employees, departments, projects and employee dependents based on the ERD below. Tables on the many side of an 1:M relationship must have appropriate foreign key defined.   And an M:M relationship must have a relationship table with the two keys involved in the relationship.

Part 1: Describe the ERD in words to ChatGPT and get its solution. Remember, ChatGPT may make errors and you are responsible to get the right solution.

Part 2: Use MySQL Workbench to implement the design.

Requirements:

1. Name the database schema: mydb

2. You must choose the right data type for each field. For text fields, you must choose appropriate field size either fixed size of variable size. For decimal data type, you must choose the number of digits and decimal places. For birthday, you must choose DateTime data type.

3. Each table must have a key. The relationship table of an M:M relationship must have a composite key. **The foreign key must have the same data type (and size if it is text data) as the key in the referenced table.**

4. Use MySQL Workbench data sheet view or SQL Insert Into statements to enter about 5-7 records for each table. **VERY IMPORTANT: Use your name as employee name to enter the last record of the employee table.**

Submit:

1. Copy/paste the dialogue with the ChatGPT with the final solution to a Word document.

2. Each table's datasheet view with records (right click the table name and choose select rows). You may capture the screens of the datasheet views, then paste it to the Word document. Submit the Word document by email.

Employee

PK	employeeSSN
	empName
	address
	birthday
	salary

Department

PK	deptNumber
	deptName

Dependent

PK	dependentSSN
	name
	sex
	birthday

Project

PK	projectID
	projName