**Milestone #2**

**Assignment 10.1 | CSD310**

May 16th, 2025

**Team Members:**

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**Revised ERD:**

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AI-generated content may be incorrect.

**SQL Bacchus Winery**

DROP DATABASE IF EXISTS Bacchus\_Winery;

CREATE DATABASE Bacchus\_Winery;

USE Bacchus\_Winery;

CREATE TABLE Department (

    Department\_ID INT PRIMARY KEY AUTO\_INCREMENT,

    Department\_Name VARCHAR(50) NOT NULL

);

CREATE TABLE Employee (

    Employee\_ID INT PRIMARY KEY AUTO\_INCREMENT,

    Employee\_Name VARCHAR(100) NOT NULL,

    Job\_Title VARCHAR(50) NOT NULL,

    Department\_ID INT,

    Total\_Hours INT DEFAULT 0,

    FOREIGN KEY (Department\_ID) REFERENCES Department(Department\_ID)

);

ALTER TABLE Department

ADD COLUMN Manager\_ID INT,

ADD CONSTRAINT FK\_Manager

FOREIGN KEY (Manager\_ID) REFERENCES Employee(Employee\_ID);

CREATE TABLE Work\_Hours (

    Work\_Hours\_ID INT PRIMARY KEY AUTO\_INCREMENT,

    Employee\_ID INT,

    Hours\_Worked INT,

    FOREIGN KEY (Employee\_ID) REFERENCES Employee(Employee\_ID)

);

CREATE TABLE Supplier (

    Supplier\_ID INT PRIMARY KEY AUTO\_INCREMENT,

    Supplier\_Name VARCHAR(100) NOT NULL,

    Contact\_Info VARCHAR(150) NOT NULL

);

CREATE TABLE Supply (

    Supply\_ID INT PRIMARY KEY AUTO\_INCREMENT,

    Supply\_Type VARCHAR(50) NOT NULL,

    Quantity INT,

    Supplier\_ID INT,

    Order\_Date DATE,

    Expected\_Delivery DATE,

    Actual\_Delivery DATE,

    FOREIGN KEY (Supplier\_ID) REFERENCES Supplier(Supplier\_ID)

);

CREATE TABLE Wine (

    Wine\_ID INT PRIMARY KEY AUTO\_INCREMENT,

    Wine\_Name VARCHAR(50) NOT NULL,

    Total\_Produced INT DEFAULT 0,

    Total\_Distributed INT DEFAULT 0

);

CREATE TABLE Inventory (

    Inventory\_ID INT PRIMARY KEY AUTO\_INCREMENT,

    Wine\_ID INT,

    In\_Stock INT DEFAULT 0,

    Last\_Updated TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

    FOREIGN KEY (Wine\_ID) REFERENCES Wine(Wine\_ID)

);

CREATE TABLE Distributor (

    Distributor\_ID INT PRIMARY KEY AUTO\_INCREMENT,

    Distributor\_Name VARCHAR(100) NOT NULL,

    Dis\_Contact\_Info VARCHAR(150) NOT NULL

);

CREATE TABLE Wine\_Order (

    Order\_ID INT PRIMARY KEY AUTO\_INCREMENT,

    Distributor\_ID INT,

    Wine\_ID INT,

    Order\_Date DATE,

    Shipping\_Date DATE,

    Delivery\_Status VARCHAR(50) DEFAULT 'Pending',

    Quantity INT,

    FOREIGN KEY (Distributor\_ID) REFERENCES Distributor(Distributor\_ID),

    FOREIGN KEY (Wine\_ID) REFERENCES Wine(Wine\_ID)

);

INSERT INTO Department (Department\_Name) VALUES

('Finance'), ('Marketing'), ('Production'), ('Distribution');

INSERT INTO Employee (Employee\_Name, Job\_Title, Department\_ID, Total\_Hours) VALUES

('Brennan Cheatwood', 'Finance Manager', 1, 200),

('James Guy', 'Marketing Manager', 2, 160),

('Bill Market', 'Marketing Assistant', 2, 140),

('Jack Black', 'Production Manager', 3, 160),

('George Costanza', 'Distribution Manager', 4, 160);

UPDATE Department SET Manager\_ID = 1 WHERE Department\_ID = 1;

UPDATE Department SET Manager\_ID = 2 WHERE Department\_ID = 2;

UPDATE Department SET Manager\_ID = 4 WHERE Department\_ID = 3;

UPDATE Department SET Manager\_ID = 5 WHERE Department\_ID = 4;

INSERT INTO Work\_Hours (Employee\_ID, Hours\_Worked) VALUES

(1, 40), (2, 40), (3, 35), (4, 40), (5, 40);

INSERT INTO Supplier (Supplier\_Name, Contact\_Info) VALUES

('Bottles and Whatnot Inc.', 'bottlesandwhatnot@yahoo.com'),

('3M Label Department', '3mlabels@2m.com'),

('Corks n Company.', 'corksnco@hotmail.biz');

INSERT INTO Supply (Supply\_Type, Quantity, Supplier\_ID, Order\_Date, Expected\_Delivery, Actual\_Delivery) VALUES

('Bottles', 1000, 1, '2025-05-01', '2025-05-05', '2025-05-05'),

('Labels', 2000, 2, '2025-05-02', '2025-05-06', '2025-05-06'),

('Corks', 500, 3, '2025-05-03', '2025-05-07', '2025-05-07');

INSERT INTO Wine (Wine\_Name, Total\_Produced, Total\_Distributed) VALUES

('Merlot', 500, 300),

('Cabernet', 400, 250),

('Chablis', 300, 200),

('Chardonnay', 600, 400);

INSERT INTO Inventory (Wine\_ID, In\_Stock) VALUES

(1, 200),

(2, 150),

(3, 100),

(4, 200);

INSERT INTO Distributor (Distributor\_Name, Dis\_Contact\_Info) VALUES

('East Coast Distributors', 'contact@eastcoast.com'),

('West Coast Wines', 'contact@westcoast.com'),

('Southside Wine Supply', 'contact@southside.com');

INSERT INTO Wine\_Order (Distributor\_ID, Wine\_ID, Order\_Date, Shipping\_Date, Delivery\_Status, Quantity) VALUES

(1, 1, '2025-05-05', '2025-05-07', 'Delivered', 50),

(2, 2, '2025-05-06', '2025-05-08', 'Delivered', 30),

(3, 3, '2025-05-07', '2025-05-09', 'Delivered', 20),

(1, 4, '2025-05-08', '2025-05-10', 'Pending', 40);

-- Display Data

SELECT \* FROM Department;

SELECT \* FROM Employee;

SELECT \* FROM Work\_Hours;

SELECT \* FROM Supplier;

SELECT \* FROM Supply;

SELECT \* FROM Inventory;

SELECT \* FROM Wine;

SELECT \* FROM Distributor;

SELECT \* FROM Wine\_Order;

**Python Code:**

import mysql.connector

config = {

    'host': 'localhost',

    'user': 'your username', #This part is just full of inputs that you need to put in manually. Like, yk where you replace the things with your info. In this code...

    'password': 'your password',

    'database': 'your database name'

}

try:

    conn = mysql.connector.connect(\*\*config)

    cursor = conn.cursor()

    cursor.execute("SHOW TABLES")

    tables = cursor.fetchall()

    for (table\_name,) in tables:

        print(f"\n--- Table: {table\_name} ---")

        cursor.execute(f"SELECT \* FROM {table\_name}")

        rows = cursor.fetchall()

        if rows:

            col\_names = [desc[0] for desc in cursor.description]

            print(" | ".join(col\_names))

            print("-" \* 50)

            for row in rows:

                print(" | ".join(str(cell) for cell in row))

        else:

            print("Nothing in this table")

    cursor.close()

    conn.close()

except mysql.connector.Error as err:

    print("Database error:", err)

**Command Line Output:**

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AI-generated content may be incorrect.

A screenshot of a computer screen

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