Team Blue – Module 10

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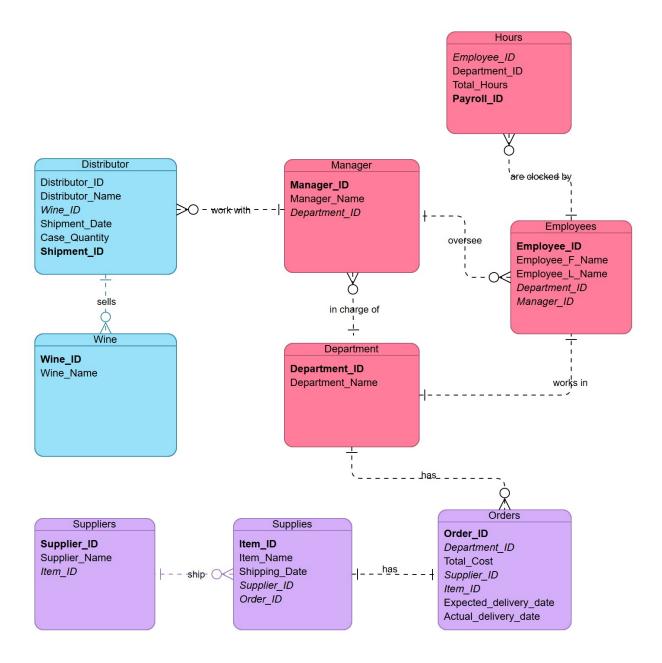
## Python Scripts:

```
import mysql.connector
from mysql.connector import errorcode
from dotenv import dotenv_values
# Load credentials from .env
secrets = dotenv_values(".env")
print("Loaded secrets:", secrets)
# Config object
"password": secrets["password"],
"host": secrets["host"],
    "database": secrets["database"],
    "raise_on_warnings": True
# Function to display contents of a table
def show_table(cursor, table_name):
    print(f"\n-- Contents of {table_name} --")
         cursor.execute(f"SELECT * FROM {table_name}")
         rows = cursor.fetchall()
         column_names = [desc[0] for desc in cursor.description]
         if not rows:
             print(" (No records found)")
         else:
              print(" | " + " | ".join(column_names) + " |")
              for row in rows:
print(" | " + " | ".join(str(col) for col in row) + " |")
    except mysql.connector.Error as err:
    print(f" Error reading table {table_name}: {err}")
    db = mysql.connector.connect(**config)
    cursor = db.cursor()
    print("\n Database user '{}' connected to MySQL on host '{}' with database '{}'".format(
         config["user"], config["host"], config["database"]
    ))
```

```
# List of tables you want to show
    tables = [
        "Department", "Manager", "Employees", "Hours", "Wine", "Distributor", "Suppliers", "Orders", "Supplies"
    1
    # Loop through tables and show data
    for table in tables:
        show_table(cursor, table)
    input("\n\n Press any key to exit...")
except mysql.connector.Error as err:
    if err.errno == errorcode.ER_ACCESS_DENIED_ERROR:
        print(" The supplied username or password are invalid")
    elif err.errno == errorcode.ER_BAD_DB_ERROR:
        print(" The specified database does not exist")
    else:
        print(err)
finally:
    if 'db' in locals() and db.is_connected():
        cursor.close()
        db.close()
        print("\n Connection closed.")
```

```
Bacchus_Winery ×
/usr/local/bin/python3 /Users/justinmarucci/CSD/CSD-310/Bacchus Winery/Bacchus_Winery.py
 Database user 'winery_user' connected to MySQL on host '127.0.0.1' with database 'bacchuswinery'
-- Contents of Department --
| Department_ID | Department_Name | |
 | 101 | Finance |
 | 102 | Marketing |
 | 103 | Production |
| 104 | Distribution |
| 105 | Inventory Control |
 | 1 | Janet Collins | 101 |
 | 3 | Henry Doyle | 103 |
 | 5 | Stan Bacchus | 105 |
 | 6 | Davis Bacchus | 105 |
-- Contents of Employees --
| Employee_ID | Employee_F_Name | Employee_L_Name | Department_ID | Manager_ID |
 | 1001 | Bob | Ulrich | 102 | 2 |
| 1003 | Tyrion | Lannister | 103 | 3 |
inery 🗦 🍓 Bacchus_Winery.py
```

## Revised ERD:



## Screenshots of data:

```
Terminal Local x + y :: -

-- Contents of Hours --
| Employee_10 | Department_ID | Total_Hours | Payroll_ID | Month_Year |
| 1001 | 102 | 06.00 | 9001 | 2024-01-31 |
| 1002 | 103 | 111.00 | 9002 | 2024-01-31 |
| 1003 | 103 | 121.00 | 9003 | 2024-01-31 |
| 1004 | 103 | 103.00 | 9004 | 2024-01-31 |
| 1006 | 103 | 103.00 | 9008 | 2024-01-31 |
| 1008 | 103 | 103.00 | 9008 | 2024-01-31 |
| 1008 | 103 | 103.00 | 9008 | 2024-01-31 |
| 1009 | 103 | 103.00 | 9008 | 2024-01-31 |
| 1009 | 103 | 103.00 | 9008 | 2024-01-31 |
| 1009 | 103 | 103.00 | 9008 | 2024-01-31 |
| 1009 | 103 | 103.00 | 9008 | 2024-01-31 |
| 1009 | 103 | 103.00 | 9008 | 2024-01-31 |
| 1009 | 103 | 103.00 | 9001 | 2024-01-31 |
| 1001 | 103 | 103.00 | 9001 | 2024-01-31 |
| 1011 | 103 | 103.00 | 9011 | 2024-01-31 |
| 1011 | 103 | 103.00 | 9013 | 2024-01-31 |
| 1011 | 103 | 103.00 | 9013 | 2024-01-31 |
| 1011 | 103 | 103.00 | 9013 | 2024-01-31 |
| 1011 | 103 | 103.00 | 9013 | 2024-01-31 |
| 1011 | 103 | 103.00 | 9013 | 2024-01-31 |
| 1013 | 103 | 103.00 | 9013 | 2024-01-31 |
| 1013 | 103 | 103.00 | 9013 | 2024-01-31 |
| 1013 | 103 | 103.00 | 9013 | 2024-01-31 |
| 1013 | 103 | 103.00 | 9013 | 2024-01-31 |
| 1013 | 103 | 103.00 | 9013 | 2024-01-31 |
| 1013 | 103 | 103.00 | 9013 | 2024-01-31 |
| 1013 | 103 | 103.00 | 9013 | 2024-01-31 |
| 1013 | 103 | 103.00 | 9013 | 2024-01-31 |
| 1013 | 103 | 103.00 | 9013 | 2024-01-31 |
| 1013 | 103 | 103.00 | 9013 | 2024-01-31 |
| 1013 | 103 | 103.00 | 9021 | 2024-01-31 |
| 1013 | 103 | 103.00 | 9021 | 2024-01-31 |
| 1001 | 103 | 103.00 | 9021 | 2024-01-31 |
| 1002 | 103 | 103.00 | 9021 | 2024-01-31 |
| 1003 | 103 | 103.00 | 9021 | 2024-01-32 |
| 1008 | 103 | 103.00 | 9021 | 2024-01-29 |
| 1008 | 103 | 103.00 | 9021 | 2024-02-29 |
| 1008 | 103 | 103.00 | 9022 | 2024-02-29 |
| 1008 | 103 | 103.00 | 9022 | 2024-02-29 |
| 1008 | 103 | 103.00 | 9022 | 2024-02-29 |
| 1008 | 103 | 103.00 | 9022 | 2024-02-29 |
| 1008 | 103 | 103.00 | 9022 | 2024-02-29 |
| 1008 | 103 | 103.00 | 9022 | 2024-02-29 |
```

