**Core content homework assignment 1 (CC1)**

**Part A**

A1. (15 points; 3 points each) Answer the following review questions from the textbook:

3.5, 3.6, 3.7, 3.8, 3.9

A2. (30 points) Do problem 3.4E from the textbook. The question asks for both EER and UML models, but you are required to do only the EER model. Make notes to clarify details that cannot be captured by the EER diagram alone. Submit both your EER diagram and any additional notes you need to clarify your model.

**Part B**

For each of the following descriptions, give an SQL query that would return the desired result from the wine database.

B1. (5 points) The names of all wines whose name contains the string “Chardonnay”.

B2. (5 points) The names of all suppliers whose status is null.

B3. (5 points) The names of all suppliers whose status is not null.

B4. (10 points) Consider product 0154, the Chateau Haut Brion, 2008. The available quantity is currently 111. Use the editing features within pgAdmin to change this value to NULL. Use some online research or an AI assistant to discover the equivalent SQL query that would achieve this change. Paste in this line of SQL as your answer to this question. When you have finished, change the value of product 0154’s available quantity back to 111.

* [Optional] Alternative approach for this question: install DBeaver and connect to the wine database. Make the same edit and use DBeaver’s features to view the equivalent SQL – use Generate Script in the drop down menu from the Save button in Data tab when viewing table.

B5. (10 points) Consider your answer to the previous question. Even though we have not studied any of these SQL expressions yet, try to guess what they mean and explain your guesses in one or two sentences. You are not required to do any additional research for this question. Just guess the meanings using common sense.

Total points on assignment: 80