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**Lab**: Inventory Test

**Group**: 8

**Section**: NCC

**Date**: 08/07/2021

**Professor**: Tevin Apenteng

**Work**: Inventory Test Answer Sheet

**Question 1 (worth 15 marks)**

Complete a class diagram to support what your team has learned so far about *Bronner Movers.*

Diagram

Description automatically generated

**Question 2 (worth 20 marks)**

Complete an Object Level Sequence Diagrams to support the above scenarios.

Diagram

Description automatically generatedDiagram

Description automatically generatedDiagram, timeline

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Description automatically generated

**Question 3 (worth 2 marks)**

Allan would like the system to suggest how much he should expect delivery to cost. To do that, he needs to know how much the purchase will weigh. How would you change your model to support this request?

***For that I will make a new class. It will have the description of all the inventory. It will be joined with another class product. This class will have all the information about the inventory including all the delivery costs and weight related info. It will have all the info needed for Allan.***

**Question 4 (worth 2 marks)**

What is WHMIS? Is this important to Allan?

***WHMIS stands for Workplace Hazardous Materials Information System. It is the national communication standard for hazardous situations of Canada. Its main aim is to educate people of the hazardous things that people work around. It makes sures that every hazardous materials has the danger signs and the precautionary labels. All these labels, protect the workers as they know what they are working with and how to prevent any mishap. It also has many educational programs related to working environments and safety. As Allen has a moving company and they also serve the commercial sectors. It’s mandatory for them to check the items if they have the labels before moving so that every worker knows what they are working with and how to handle those products safely.***

**Question 5 (worth 2 marks)**

Allan finds a sale on packing tape and would like to buy six months’ worth of product. How would he use your model to figure out how many to buy?

***Allan should use Economic order quantity (EOQ). It will help him to buy the right amount of products so that he has just enough quantity in stock and does not piles up loads of products which are not needed and will eventually increase the storage cost. He can use the inventory class which will have all the information about the quantity which will help in getting the right amount of new products according to his business needs.***

# References

"WHMIS ...." <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/occupational-health-safety/workplace-hazardous-materials-information-system.html>.