Name: \_PavneetKaur\_\_\_\_

Student ID: \_\_\_128287216 Section: \_\_B\_\_\_

Date: 11/8/2022

Part1: Sales

Class Diagram:

Diagram

Description automatically generated

Sequence Diagram:

Diagram

Description automatically generated

Customers:

Diagram

Description automatically generated

saleInvoice:

Timeline

Description automatically generated

**Question 3 [worth 2 marks]**

*Bright Waters* is thinking of expanding its product offering to include leisure ware for plus people and they would like to charge more to cover the additional cost of materials. Does your model support this? What would you have to change to accommodate this requirement? Please describe in English.

* In order to complete this scenario, I would like to make another class named leisure, which will be connected to currently present SaleDetail class. The leisure class will have attributes for storing all information about leisure ware, including price of leisure ware. For this I will also have to add the price of leisure ware to the dollar value of Sale Invoice.

**Question 4 [worth 2 marks]**

*Bright Waters* would like to offer off season pricing. Winter ware would cost less if purchased in the summer and vice versa. What would you have to change to accommodate this requirement? Please describe in English.

* To accommodate this change, I would like to add function to my system, which will return a Boolean value. This value will be true , if customer is getting winter ware and if the value is true, then the system will automatically reduce the price in summer season. I would like to make same function to check for summer ware and will perform in same way to check the season and reduce the price accordingly.

Part2: Scheduling

Class Diagram:

Diagram

Description automatically generated

Sequence Diagram:

Timeline

Description automatically generated