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| **Academic Year** | **2023** | | |
| **Semester** | * Fall | ☒ Winter | * Summer |
| **Course Code - Name** | CSCI 2040 – Software Design and Analysis | | |
| **Instructor** | Ali Neshati | | |
| **Assessment** | Lab 8 | | |
| **Deadline** | Submit 2 days after your lab session | | |

# Lab 8

The main purpose of this lab is to test your knowledge of Design Class Diagrams.

## Instructions:

* You are required to submit this word document converted into PDF on canvas.
* Students having exactly similar work will get a straight 0.
* You are required to complete these questions using any drawing tool.
* The deadline for submission of this lab is two days after the lab session. If for some reason, you are not able to complete this lab in the lab session, please inform the TAs.

# Question

In this lab you are required to design class diagrams for Reserve and Pickup for BestBuy.ca.

Before you get started, visit [Reserve and Pickup](https://www.bestbuy.ca/en-ca/help/shipping-delivery-and-pick-up/reserve-and-pick-up) website for BestBuy to get an understanding of how reserve and pickup works. Once you have a solid understanding of how this process works, move to the task below.

## Task:

You are required to convert your design class diagrams from Lab 7 to Java code:

* High Level Overview
  + Pick the following classes to write code for:
    - Customer
    - Order
    - Item
  + Start writing code for the class which is least coupled
  + Make sure to include at least the followings:
    - Access modifiers (private, public)
    - Constructors
    - Getters
    - Data Members from your Design Class Diagram
    - Methods from your Design Class Diagram