

Instructions:

- Do all exercises with your partner.
- Clearly print the names of **all participants** in the first page of your assignment.
- No hand-written answers allowed.
- Absolutely no late assignments.
- Your assignment should be turned in to D2L by **all students in the team**

Exercises Part A (15 pts)

For each of the following (pseudo) code snippets provide the UML **class** diagram.

1. **public** class Container { (2pts)
 private Item [10] items;
}
 public class Item {
 private Container my_container;
 }
2. **public** class Access { (3pts)
 private List<DiskShare> entries;
}
 public class BackupAccess {
 private DiskShare x;
 }
 public class DiskShare {
 private Access a;
 private BackupAccess ba;
 }
3. **public** class AmazonAccount{ (5pts)
 private string name;
 private Category[] categories;
 private Purchase[] entries;
}
 public class Category {
 private string name;
 }
 public class Purchase{
 private string name;
 private Category[] categories;
 }

4. **public** abstract class Store { (5pts)
 public abstract void store(Article[] articles);
 public abstract Article[] retrieve();
 }
public interface Accounting {
 ...
 }
public class MSUStore extends Store implements Accounting {
 public void store(Article[] articles) { Book b = new Book(); // other code }
 public Article[] retrieve() { ... }
 }

Exerciss Part B (15 pts)

Write pseudo code to describe the following UML class diagram:

