

Kind: Assignment 1

Team Size: 1

Hand-in: PDF, mandatory

## Preamble

This work sheet comprises of Task 1 and Task 2.

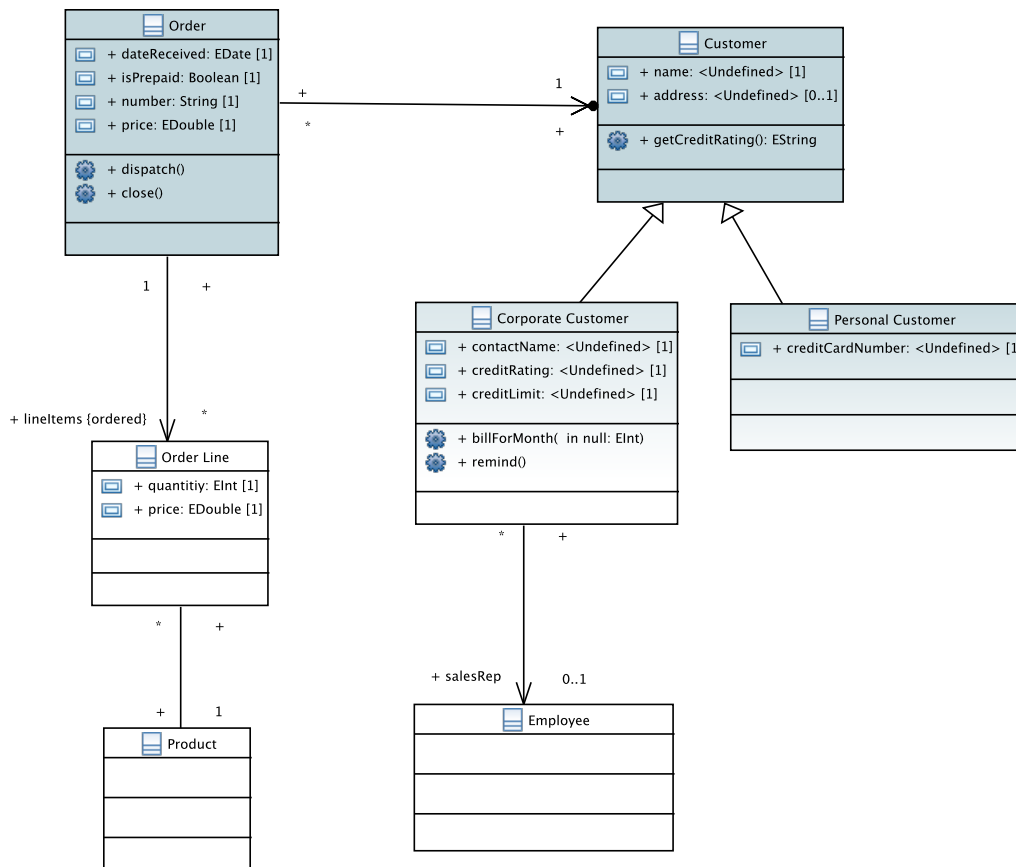
**Task 1 and Task 2** are to be submitted as an Assignment on Blackboard.

**Please note:** in class, you might work individually or in pairs, i.e., 1 person or 2 persons. **But each student submits a single PDF with the following:**

1. Class diagram from Task 1
2. Sequence diagram from Task 2

## Task 1 UML Class Diagram: Reading and Modeling

The first task you have to carry out is to analyze the class diagram below and redrawing it:



1. Before you start modeling the diagram, please analyze the given class diagram, and reflect on:
  - a. What the class diagram is about;
  - b. Roles;
  - c. And multiplicities.
  - d. Anything missing/unclear?
2. Redraw this class diagram in a tool of your choice.

## Task 2 UML Sequence Diagram: Code → Model

In the following, you find a small (pseudo) code snippet:

```
procedure dispatch
  foreach (lineitem)
    if (product.value >$10k)
      careful.dispatch
    else
      regular.dispatch
    end if
  end for
  if (needsConfirmation) messenger.confirm
end procedure
```

Your tasks are:

1. Read and analyze the code snippet provided.
2. Show/draw the given piece of (pseudo) code in a Sequence Diagram using a tool of your choice.