Homework 3 for CSE 216: 
Domain Model, System Sequence Diagrams and Operation Contracts (20 points)

Due date: Feb 8th (Monday) 10am in class.

1 Part 1 (10 points)
Create a domain model for the Use Case UC-1 “Order Meal” that is posted in Blackboard in the file “More Use Case Examples”.
Use the guidelines found in Larman, Chapt 9. In particular:

1. Use the Category List found in Larman, pp 139-141 to generate an initial set of conceptual classes.
2. Use the nouns and noun phrases from all of the flows in the use case as a guide for selecting additional conceptual classes.
3. Make sure your conceptual classes actually exist in the domain (not necessarily physically, but at least as concepts).
4. Use attributes to capture any data that must be maintained by your classes. Your attributes should be primitive or simple types.
5. Since this is a Domain Model, do not include operations.
6. Create appropriate associations along with labels and multiplicity where significant.

2 Part 2 (10 points)
Create a System Sequence Diagram and Operation Contracts for the Use Case UC-1 “Order Meal”.

• Create the System Sequence Diagram for the Normal Course/Flow.
• Create Operational Contract for at least one system operations.
• Use the guidelines found in Larman, Chapt 10 and 11. In particular:
  – Use Fig. 10.3 as an SSD example.
  – Use abstract names for the System Events. (Sec. 10.6)
  – Use the contract in Sec. 11.1 as an example.
  – Use the classes from your domain model in the contract postconditions.

3 Submission details

You must create the domain model and the System Sequence Diagram in NetBeans. Print the diagrams out and submit them with the operation contract in class on Feb 8th.