Business Modeling: Project 2

Assignment

In this assignment, you will start with the RosettaNet solution for Project 1. Your task is to modify the RosettaNet model to capture the elements of the modified cross-organizational business scenario.

- You have already completed the pre-project survey.

- Post-project survey will be emailed after the project completion.

- It is critical that you complete project worklog, a short form, every time you work on the project.

- Surveys and worklog will be graded based on completeness and timeliness. Note that there are no right or wrong answers, and the contents of the survey will not in any way affect the grade.

Other than the surveys, there are two deliverables in this assignment.

1. Modify the given list of RosettaNet PIPs to capture the modified scenario.

2. Modify the given operational model (UML 2.0 sequence diagrams) to capture the modified scenario.

Submit a report with the modified RosettaNet PIPs and sequence diagrams. You may use a tool such as Visio, or hand draw the sequence diagrams. Please ensure that the diagrams are legible.

Grading

This assignment is part of a research study being conducted by the Service Oriented Computing Lab at NCSU. An integral part of the assignment is the completion of pre and post project surveys as well as keeping a record of your progress throughout the assignment.

Pre-project survey	5%
Post-project survey	10%
Project worklog	25%
Deliverable 1	30%
Deliverable 2	30%

Scenario

MedEq, a large company, is in the business of selling medical equipment. MedEq designs and manufactures the equipment in-house. For shipping the equipment to the customer's site, MedEq employs two shippers: FedUp and UpFed.

To purchase the equipment, a customer submits its requirements to MedEq. MedEq analyzes the requirements, and creates a proposal containing the equipment details, and a quoted price. The customer may accept the proposal or request MedEq for a better price. There can be up to two iterations between MedEq and the customer before they either agree upon the price, or they abort the transaction.

If MedEq and a customer reach an agreement on the quote, the customer may proceed to placing an order for the equipment. The order contains details on the equipment, shipping address, contact information, and payment information. Upon receiving the order, MedEq validates the order. In case the order is found to be valid, MedEq accepts the order. Otherwise, MedEq rejects the order.

Upon accepting an order, MedEq requests a shipper to ship the equipment to the customer. MedEq pays shipping fees to the shipper.