Introduction
The purpose of this lab assignment is to give you additional experience using the Rational Rose UML modeling tool to create a UML model. We will work with the Royal Service Station example given in Chapter 6 of the text. When done, print the diagrams and turn them into the TA.

Use Case View
Create a use case diagram similar to the following. Note that the Rose tool only supports the stick figure for the actor, and that Customer, Credit Card System, Printing System, Manager, Fuel Ordering System, and Parts Ordering System are all actors.
Class Diagram
Create a class diagram as follows:
Sequence Diagram

Create a sequence diagram for the refuel use case. Add methods to the classes as required to process the messages identified.

Once you have completed the sequence diagram, look at the corresponding collaboration diagram. If necessary, make necessary edits to make it readable.
Collaboration Diagram
Create a collaboration diagram for the parking use case. Add methods to classes as necessary. When done, look at and edit the corresponding collaboration diagram.

State Diagram
Build a state diagram for the inventory class.