

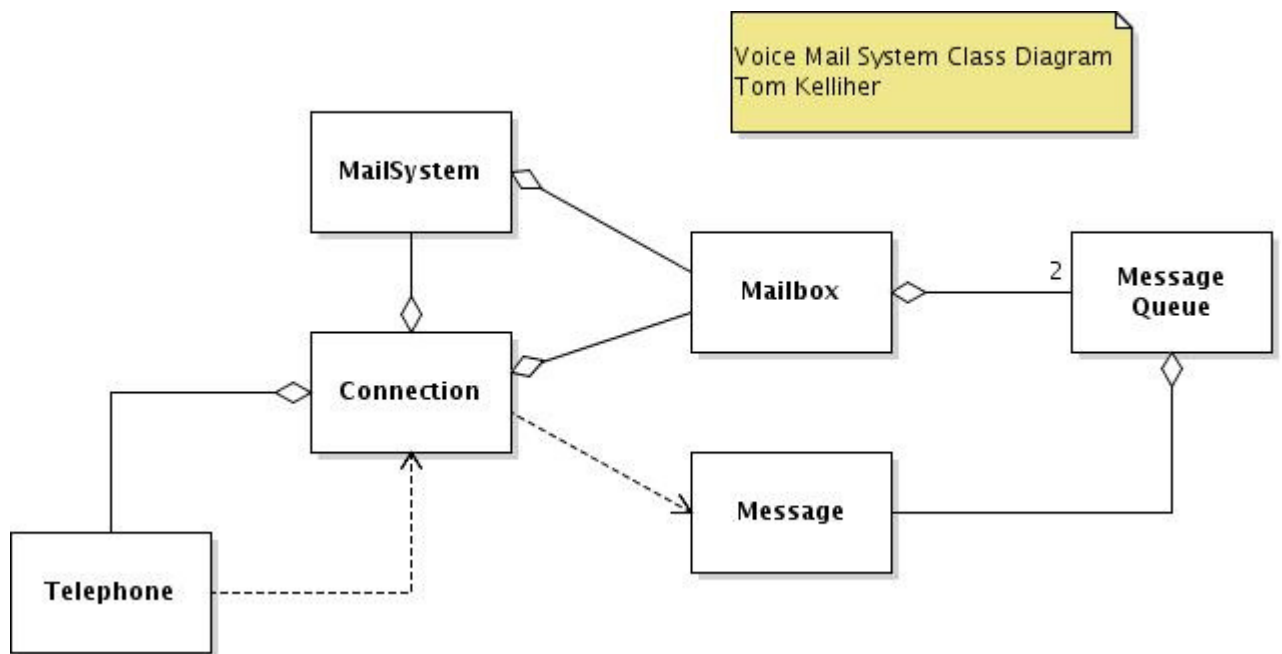
## CS205 – Lab 1

**Objectives:** In this lab you will learn how to

- design classes and the relationships between them
- document classes and their relationships with CRC and UML diagrams

Before starting this lab, you should have read Chapter 2 in your text. You will steps through a small design of a problem with CRC cards and UML.

1. Form small groups of no more than three students. Read through the problem description of exercise 2.18 on p87 of your text.
2. With a stack of index cards, describe classes for the problem, recording responsibilities and dependent classes on the cards.
3. Use your cards to walk through several user scenarios. Don't be afraid to tear up your designs and start fresh or go through several iterations before you find a design that works well.
4. Launch Violet and create a new class diagram and document your design in UML. Once you realize that you can right-click on nodes and edges, and then edit properties, it's pretty easy to achieve something like this:



5. Save your UML diagram and submit one copy for the group. Include everyone's name in a note in the diagram!