**Homework 7-8: Design, Implementation & Software Testing**

**Problem 1**

*Develop the design of the weather station to show the interaction between the data collection subsystem and the instruments that collect weather data. Use sequence diagrams to show this interaction.*

**Problem 2**

*Draw a sequence diagram showing the interactions of objects in a group diary system when a group of people are arranging a meeting.*

**Problem 3**

*When code is integrated into a larger system, problems may surface. Explain how configuration management can be useful when handling such problems.*

**Problem 4**

*Testing is meant to show that a program does what it is intended to do. Why may testers not always know what a program is intended for?*

**Problem 5**

*Some people argue that developers should not be involved in testing their own code but that all testing should be the responsibility of a separate team. Give arguments for and against testing by the developers themselves.*