# SEMINAR 7

## 1. OBJECTIVES

- Given a problem statement, analyze it and design a solution
- Identify suitable design patterns for a given problem
- Use the "Observer" design pattern in solving a problem

## 2. PROBLEM STATEMENT

Design a simple chat application, which allows several users to communicate. Each user has a unique username (the identifier) and a name. Users are created in the main application. Once the chat conversation starts, all the users will see all the chat messages from all the other users. Each user can send messages. Each message has a text and a timestamp. Each user window will show, for each message, the name of the user that sent it and the text of the message.

## 3. SOLUTION DESIGN