

### **Problem Statement**

Design and implement a Java application for the given statement problem. A 3 tier architecture (Model-View-Controller) should be used:

1. interface (presentation layer) – (web) graphical interface (gui);
2. application logic (logic layer) – problem domain (model, controller);
3. data persistence (data layer) – data repository (repository), input data from text files.

### **Problem number 5**

#### **Shop inventory**

A shop supplies from suppliers with different product categories, for each category various suppliers existing. For a good management, the shop requires a software program that will offer information about the stock at the end of each day.

The program will allow:

- a) adding of a new product (code, product name, quantity) at the end of a day;
- b) listing the products from a category;
- c) stock situation for all products or just for a certain product.