Exercise 1

For each of the following software qualities:

♣ Performance

1. Low Latency
2. High Throughput
3. Ease of use for users

♣ Scalability

1. Loose Coupling between different parts of the software
2. Design to Interfaces
3. Modular design

♣ Availability

1. Redundancy

♣ Maintainability

1. Modular design
2. Loose Coupling

♣ Reliability

1. Redundancy

Describe 2 to 5 examples that you know that will increase this particular quality.

Exercise 2

1. Draw the context diagram of the financial risk system
2. Draw the container diagram of the financial risk system
3. Draw the component diagram of the financial risk system
4. Draw the sequence diagram that shows the behavior of the components. The sequence

diagram should show the scenario of the creation of a risk report.

Make sure your diagrams show all the important information.