**Requirements**

**Exercise 2.6:**

Exercise 2.6.1. Consider the requirements below. Are these requirements written according to the syntax described in the ISO standard? If not, rewrite the requirement according to the syntax.

• The system shall be able to process at least 40 executing jobs at a time.

No, the syntax is not described according to the ISO standard. The syntax is:

The system [Subject]

shall process [action]

at least 40 executing jobs [object]

at a time [constraint]

• The system shall provide the means for the resource provider to see on which project this resource is working.

The syntax is described according to the ISO standard.

The system [subject]

shall provide [action]

the means for the resource provider[object]

to see on which project this resource is working. [Condition]

• If one of the resource disappears while it was performing a job, the system should re-queue the job.

No, the syntax is not described according to the ISO standard. The syntax is:

When one of the resource disappears, [condition]

the system [subject]

shall re-queue[action]

the job [object]

Exercise2.6.2. Requirements must have several characteristics, for instance, veriﬁable, consistent, .... Consider the following requirements. These requirements are not written according to the correct syntax. Analyze them according to the characteristics of well-formed requirements described in Section2.3 and rewrite them according to the syntax proposed by the ISO standard.

• The information which is stored on the database can be accessed by any standard computer on the company network.

According to the syntax:

**Database can be accessed by any computer on the company network.**

• In order to obtain a Company car sticker the person must have a valid Company ID.

According to the syntax:

**To obtain a Company car sticker the person shall have a valid Company ID.**

• The opening of the software shall take less than 3-4 seconds under normal working conditions.

According to the syntax:

**The software shall take 3-4 seconds to start under normal conditions**.

• The user shall have access to French? English dictionary (this is outside the scope of the application). The user shall ask questions or propose suggestions for words translations by mailing to the administrators.

According to the syntax:

**The user shall ask questions or propose suggestions for word translation by mailing the administrators.**

• The software will be available 24 hrs. 365 d/year.

According to the syntax:

**The software shall be active all the time.**