

Department of Computer Sciences

Software Engineering

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Software Requirements

**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.

**Correction:** 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.

**Correction:** No correction required.

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

**Correction:**  When a resource disappears while performing a job [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.

**Correction:** Database shall accessed by any computer within the company network.

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

**Correction:** 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.

**Correction:** Software shall take less than 3 to 4 seconds to start in normal routine.

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.

**Correction:** When the translation of French word is wrong, the user shall give feedback to administrator through “suggestion” button provided with the translation..

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

**Correction:** The software shall be available all the time.