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| Chapter # 2 |
| Requirements |
| **Exercises** |

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2.6 Exercise

# 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.

# Solution:

* **Requirement #1 :**

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

**Review:** No, the requirement is not written according to the syntax described in the ISO standard.

**Correction:** The system shall process at least 40 executing jobs at a time.

* **Requirement # 2 :**

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

**Review:** Yes, the requirement is not written according to the syntax described in the ISO standard.

**Correction:** (no corrections required)

* **Requirement # 3 :**

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

**Review:** No, the requirement is not written according to the syntax described in the ISO standard.

**Correction:** When one of the resource disappears, the system shall re-queue the job.

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# Exercise 2.6.2

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 Section 2.3 and rewrite them according to the syntax proposed by the ISO standard.

# Solution:

* **Requirement #1 :**

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

**Correction:** The information which is stored on database shall be accessible by any standard computer on the Computer network.

* **Requirement # 2 :**

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

**Correction:** The system shall verify the Company ID of the person before providing the sticker.

* **Requirement # 3 :**

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

**Correction:** The system shall activate in less than 3-4 seconds while all resources are available.

* **Requirement # 4 :**

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

**Correction:** The system shall allow user to ask questions or propose suggestions for words translations by clicking on the ‘suggest’ icon.

* **Requirement # 5 :**

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

**Correction:** The system shall be active all time.

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