******

***LAB Task # 5***

***DATED: 06 October, 2017***

***SUBMITTED BY:***

***AMMARA KALSOOM***

***(ROLL # 153185)***

***TO: MR. MUHAMMAD Ahmad Mohsin***

**Exercise # 01:**

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.

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

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

**Solution:**

**Ambiguous Requirement:** The system shall be able to process at least 40 executing jobs at a time.

**Rewriting Requirement:** The system [subject] shall process [action] 40 [condition] executing jobs [object] at one time [constraint].

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

**Rewriting Requirement:** The system [subject] shall allow [action] resource provider to check the list of working resources on projects.

**Ambiguous Requirement:** If one of the resource disappears while it was performing a job, the system shouldre-queue the job.

**Rewriting Requirement:** When resource disappear, the system shall allow the job to re-queue.

**Exercise # 02:**

Requirements must have several characteristics, for instance, verifiable, consistent etc. Consider the following requirements. These requirements are not written:

According to the correct syntax. Analyze them according to the characteristics of well-formed

* The information which is stored on the database can be accessed by any standard computer on the Company network.
* In order to obtain a Company car sticker the person must have a valid Company ID.
* The opening of the software shall take less than 3-4 seconds under normal working 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.
* The software will be available 24hrs 365d/year.

**Solution:**

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

**Rewriting Requirement**: The systems of company network shall access information stored on the database.

**Ambiguous Requirement:** In order to obtain a Company car sticker the person must have a valid Company ID.

**Rewriting Requirement:**To obtain a Company car sticker, the person shall have a valid Company ID.

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

**Rewriting Requirement:** In working environment, the software shall open within 4 seconds.

**6Ambiguous Requirement:** 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.

**Rewriting Requirement:** In French language,the user shall email administrator to query or give suggestions for word translations.

In French,the user shall email administrator to query or give suggestions for word translations.

**Ambiguous Requirement:** The software will be available 24hrs 365d/year.

**Rewriting Requirement:** The software shall be available 24hrs 365d/year.