**Name : ibrahem adel algzzawe ID: Ad0484**

**SQA Components exercise**

**Assume that you have been appointed as a software quality specialist. What actions are you going to take for the following not to happen:**

* During the life time of a project for the development of an application, a lot of disagreements between the application user and development company which led to delays to the application deployment in user’s site*.*
* **Contract Review**
* There was a lot of documentation produced in the life time of software development as well as many software modules to be tested. It wasn’t clear to development staff what documents to review, what modules to test, and what types of testing to conduct.
* **Quality Plans**
* The new version of DBMS was not released in market at time of implementation stage
* **Project Planning and Monitoring**
* Some Software engineers and programmers resigned during the period of software development. It has taken a long time to hire replacement employees.
* **Human Resource Management**
* It was very hard for reviewers to locate piece of information they need to check in the requirements document
* **Documentation and Configuration Management**
* The decision of using MySQL DBMS was not the right to take as there were huge information in the system that was very hard to be, managed by this type of DBMS.
* **Contract Review, Software Testing**
* Some parts of the project were developed by subcontractors (External participants). User noticed that there is a lot of differences in coding and documentation quality between those produced by us and those produced by subcontractors.
* **Contract Review, Software Testing**
* It was very hard and also time consuming for maintenance group to understand programmers coding.
* **Maintenance**
* It is usual that many mistakes are always repeated in other projects.
* **Lessons Learned**
* Previous versions of applications coding and documentation are missing.
* **Documentation and Configuration Management**
* Software engineers spend much longer than expected to finish requirements document. Many changes are done on this document during the life time of project development.
* **Project Planning and Monitoring**
* The company won a critical and very important project. Best development team is to be selected for the project but no information is available about staff performance.
* **Human Resource Management**
* It is noticed that several projects take longer time and much more budget than estimated.
* **Project Planning and Monitoring**
* It is not clear what is the best approach to conduct the different tasks in software development process.
* **Quality Plans**