Assignment - 2

1. What is Software Quality Assurance?

Software quality assurance (SQA) is a process that ensures that developed software meets with defined or standardized quality specifications. SQA is an ongoing process within the software development life cycle (SDLC) that routinely checks the developed software to ensure it meets desired quality measures .

2.What are the SQA Principles?

The following are some of the most powerful principles are :

**Feedback** – In gist, the faster the feedback the faster the application will move forward. An SQA principle that uses rapid feedback is assured of success.

**Multiple Objectives** – This is partly a challenge as well as risk for the SQA team. At the start of the SQA planning, the team should have more than one objective. As much as possible a matrix should be built by the SQA so that it could track the actual actions that relates to the objective.

**Evolution** – Reaching the objective is really easy but every time something new happens, it should be always noted. Evolution is setting the benchmark in each development. Since the SQA team is able to mark every time something new is done, evolution is monitored.

**Quality Control** – By the name itself, Quality Control is the pillar for Software Quality Assurance. Everything needs to have quality control – from the start to the finish. With this principle there has to be an emphases on where to start. The biggest and the tightest quality control should be executed as early as possible.

**Process Improvement** – Every project of the SQA team should be a learning experience. Process improvement fosters the development of the actual treatment of the project.

**Persistence** – There is no perfect application. The bigger they get, the more error there could be. The SQA team should be very tenacious in looking for concerns in every aspect of the software development process. Even with all the obstacles everyone would just have to live with the fact that every part should be scrutinized without hesitation.

**Different Effects of SQA** – SQA should go beyond software development. A regular SQA will just report for work, look for errors and leave. The SQA team should be role models in business protocols at all times. This way, the SQA does not only foster perfection in the application but also in their way of life. That seemed to be quite off topic but believe me; when people dress and move to success, their work will definitely reflect with it.

**Result-focused** – SQA should not only look at the process but ultimately its effect to the clients and users. The SQA process should always look for results whenever a phase is set.

1. What are the Benefits of SQA?

Eliminate errors

Improves the quality of the software

. Improving the process of creating software

Higher reliability will result in greater customer satisfaction

Overall life cycle cost of software reduced

Maintenance cost of the software is gradually reduced

1. What is the Need of SQA?

SQA auditor is the person who reviews and checks the project management activities are executed to the highest possible standard. Only through the result of this review, the Management Board can evaluate the quality of your project handling. This is the reason why we do need SQA in Test Management process

1. What is the Budget of SQA?

40-50%

1. What is Quality Assurance?

Quality assurance is known as QA and focuses on preventing defect. QA focuses on improving the processes to deliver Quality Products to the customer. avoiding problems when delivering solutions or services to customers.