To ensure the design and development process go smoothly. Just like the application is completed in the best state before reaching the user. I have to follow quality assurance process in 4 steps.

**1. Plan**

I will divided this step into smaller parts base for my experience after analyze the user requirement. Firstly, I will analyze and classify user objects based on user requirements. To clearly, I will draw the use-case diagram. After identify the user object. I will analyze about the entities which will use in the application and their relationship. Then design a suitable entity-relationship diagram for application. Secondly, i will try to design a site-map for application. Lastly, based on the components acquired in step 2, I will design wireframe applications. And to ensure that what you have analyzed is true to customer requirements. We need to let them know about what will we do. Note that, our customer sometime not a technician. So we need to talk with them and let them understand in the suitable way. We should not use so much confusing specialized terms.

**2. Do**

In the Plan step, we have divided our application to many part to do. We also confirm with our customer about their requirement. In this step, we will continue to build an application base on which we get before. We can build a suitable database based on the ERD designed.

We also need to complete the user interface base on wireframe. I also make some change to be more consistent as well as to add small details that the wireframe cannot indicate. The next work is connect the database to application and then completing functions for user objects based on use-case diagrams.

**3. Check**

To ensure application will work well, I have to do many test. In this project, I would to do as many as possible test by assuming different cases. If there are still any error/bug, i will try to fix it. Depend on test result, I will make reviews and evaluate for identify weaknesses and strengths as well as advantages and disadvantages of the system.

**4. Act**

After check step, i will suggest improvements and upgrades in the future. Documentation of the main content of web development and design also makes maintenance easier. A quality project is not only perfect when it

It will be quality project if almost requirement of user are solve. There are not any bug or problem which direct affect to the user experience.