**Task 4.2: Quality management**

|  |  |  |  |
| --- | --- | --- | --- |
| **Quality** | **Metrics** | **Threshold** | **Result** |
| Functionality | Completeness | >= 90 % functionality completed |  |
|  | Correctness | <= 5 % number of error found in testing of the total test cases. |  |
|  | Appropriate | >= 90% of function appropriate to use |  |
| Performance | Time behaviour | Users can add sale into Database within 2 seconds  Graphical sale report must be generated and displayed <= 15 seconds  A CSV formatted sale report must be produced <= 10 seconds |  |
| Usability | Learnability | First time users should be able to perform basic tasks after one day training |  |
|  | Errors | User should not make more than 3 errors when performing a single basic task. |  |
|  | Satisfaction | 8 out of 10 users should be happy about the web browser interface |  |
|  | Efficiency | When users are trained, a task should be performed <= 2 minutes. |  |
| Reliability | Operability | The web-app should not be corrupted more than 2 times a day  The accuracy of the sale report that based on analysing the sale record >=95%. |  |
|  | Fault Tolerance | >= 95% The error message must be popped when users try to enter wrong data type to database |  |
| Maintainability | Reusability | 50-70% of the functionality of the system should be used as basic features to future system. |  |
|  | Testability | >= 95 % input is correctly enter into database |  |

**Team discussion:**

* Nhan’s comments: The team should conduct a research on existing web browser on the market which should be ranked on their popularity and efficiency. Then, our product must be runnable on at least 80% of all available web browser.
* The Anh’s opinion: Security quality should be considered to prevent other user try to add information to database as well as being able to obtain the sale records.
* Huy’s comments: have suggested the warning message for user when wrong format of data entered. Therefore, increase the quality of fault tolerance as well as usability.