

# Sprint 2 Quality Definition

## Individual Task 71D



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Tutorial: Tuesday 12:30 Hawthorn EN310

# Selected sprint backlog item

F5	Add a sales record	F1	10	Sprint 2
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## ISO25010 characteristics and sub-characteristics

- Functional Suitability
  - Functional completeness

### Justification

Functional sustainability is the degree to which a product provides features to the standard and conditions specified by the client. Therefore, this is relevant to the backlog item F5 (Add a sales record ) as this item is one of the main functionality outlined by the client in the request for proposal. Which request for a record management application, displaying member details and sales records. Hence the implementation of this backlog item will ultimately adhere to functional sustainability. In addition, the backlog F5 item links to the sub-characteristic functional completeness, as it covers the main feature of having digital sales records for the web application. Therefore, functional completeness is adhered to when this item is implemented as it satisfies a portion of the completion of the application.

## Threshold and metric of sub-characteristics

Thresh hold and metric will be the functional completeness will be monitored by the number of hours of work and the over a number of errors for overall test cases.

Threshold and metric
The second metric to measure functional completeness will be errors in overall test cases.
The threshold will have a minimum error threshold of 10%> for overall test cases.

### Threshold and metric justification

The reason for having a metric that monitors the number of errors occurring for a feature to work it must run or compile completely. Hence when errors occur causing the feature not to be functional, the application can be seen as unfinished. Therefore it is evident that for software to demonstrate functional completeness sub-characteristic, errors have to be monitored and measured. For the backlog item to be outlined as complete it must have gone through all the different stages of development. Such as design, implementation and testing. Hence for this item to demonstrate functional completeness sub-

characteristic it must have a certain error percentage of less than 10% for overall test cases. This means that it has been developed fully and is functional consequently due to the lack of or very few errors. Therefore, adhering to the functional completeness sub-characteristic.

#### **Image citation**

Merenych, S., 2019. *Quality assurance methods and best practices: QA definition*. [online] Clockwise software. Available at: <<https://clockwise.software/blog/quality-assurance-methods-and-best-practices-qa-definition/>> [Accessed 23 May 2022].