

# Sprint 2 Quality planning

## Individual Task 72D



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### Image reference

Logic, W., 2022. *Quality - WorksLogic*. [online] WorksLogic. Available at: <<http://www.workslogic.com/quality/>> [Accessed 26 May 2022].

# Backlog item

## Selected sprint backlog item

F5	Add a sales record	F1	10	Sprint 2
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## Quality definition and Quality planning testing method

To ensure the quality of the development of the backlog items of sprint 2 the following quality planning tasks have been developed. These tasks adhere to the quality testing method of error testing which identifies and removes errors. The backlog item in which this quality testing method has been implemented is backlog item F5 Add a sales record. Moreover ensuring that the backlog item will adhere to the requirements outlined in the sprint 2 quality definition of functional completeness and suitability by the completion of these testing tasks.

Quality definition	Quality planning testing method
Characteristic: Functional Suitability  Sub-characteristic: Functional completeness	Error testing

## The task for Quality testing

### Task 1: Validate HTML page form for adding sales records

Validations of HTML code works by checking HTML file for all the errors and warnings which have occurred in the code. Completing this task adheres to the quality characteristic functional suitability and its sub - characteristic functional completeness as it ensures that the HTML form for adding members functions without no errors as the presence of errors can cause the form to not work. Therefore, when the HTML form for adding sales records works it checks off a requirement that has been outlined by the client for the digital application which monitors their sales and member records. Meeting the feature of the application to digitise the sales records. Evidence of this task being planned is demonstrated in figure 1 Trello board, under the sub-task 3.1.1 Create HTML form for adding sales records. Thus this testing task error test that sub-task and respectively errors test a part of the backlog item F5. This would be an appropriate way of implementing quality testing as the errors and issues with the HTML can be caught and fixed before demonstrating to the client.

### **Task 2: Test case SQL query for adding sales records**

Testing errors of the SQL query by testing two functionalities of the query. Completing the testing for the SQL goes through two processes. Firstly if the query creates the database, secondary if the query updates new sales records added into the database saving them. Hence make sure that these two functionalities have been implemented by testing the SQL query for any errors that prevent creating a database for sales records and adding sales record data into the database. Therefore satisfying the quality requirements characteristic functional suitability and the sub - characteristic functional completeness, as these two requirements have been outlined in the request for a proposal for software by the client, due to the client asking for a digital replacement of their paper-based record system. Hence for this digital records system to be determined as completed and suitable, it must have a working database, that allows added sales records to be saved, updated and retrieved for other uses. Therefore, achieving functional completeness and suitability with a working SQL query is necessary. In *figure 1* it is depicted that this testing of SQL query for errors task is in the to-do list column under the sub-task 3.1.2 and is planned to be complete. Furthermore, to demonstrate the appropriateness of the testing task. It is vital that the web application have a function database that can store the data error which prevents the database from being created or updated properly with record data entered by the user. Hence to catch these errors it is vital that error test cases be completed before finalising this backlog item.

### **Task 3: Error checking PHP page(s) for adding sales records**

Checking for errors in PHP code to ensure that data entered can be collected to a database. The completion of this task ensures both functional suitability and completeness, as the PHP controls the server-side of the web application which is essential to the flow of new sales record data being added to a database. If this is not functional the purpose of the application is not fulfilled as it does not act as a digital record managing software if data can't be transferred between where the user enters the new sales record and the database which saved the information. Therefore if errors are tested for and eliminated in the PHP code the server-side of the web application is ensured thus creating a functional digital record managing web application that can add new sales records, saving them to a database to be retrieved or updated in another context. Demonstrating functional completeness and suitability. Evidence of this PHP error for adding sales records error testing task is planned to be completed is seen in *figure 1*. Depicted in a Trello board, under the sub-task 3.1.3 developing PHP pages of adding new sales records. Moreover to demonstrate the quality of this testing method error testing is vital as this ensures that data entered from users are able to be flowed and implemented into the database.

# Planning of task evidence: Figure 1

