Project Title: System Verification and Validation Plan for Utrition

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1 Revision History

Date	Version	Notes
Date 1	1.0	Notes
Date 2	1.1	Notes

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Author (2019)

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5 System Test Description

5.1 Tests for Functional Requirements

5.1.1 Area of Testing1

Title for Test

1. test-id1

   Control: Manual versus Automatic

Initial State:

Input:

Output:

Test Case Derivation:

How test will be performed:

2. test-id2

   Control: Manual versus Automatic

   Initial State:

   Input:

   Output:

   Test Case Derivation:

   How test will be performed:

5.1.2 Area of Testing2

...

5.2 Tests for Nonfunctional Requirements

5.2.1 Area of Testing1

Title for Test

1. test-id1

   Type: Functional, Dynamic, Manual, Static etc.

   Initial State:

   Input/Condition:

   Output/Result:

   How test will be performed:

2. test-id2

   Type: Functional, Dynamic, Manual, Static etc.

   Initial State:

   Input:

   Output:

   How test will be performed:

5.2.2   Area of Testing2

...

5.3   Traceability Between Test Cases and Requirements

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6.1   Unit Testing Scope

6.2   Tests for Functional Requirements

6.2.1   Module 1

1. test-id1

   Type:

   Initial State:

   Input:

   Output:

   Test Case Derivation:

   How test will be performed:

2. test-id2

   Type:

   Initial State:

Input:

Output:

Test Case Derivation:

How test will be performed:

3. ...

6.2.2 Module 2

...

6.3 Tests for Nonfunctional Requirements

6.3.1 Module ?

1. test-id1

   Type:

   Initial State:

   Input/Condition:

   Output/Result:

   How test will be performed:

2. test-id2

   Type: Functional, Dynamic, Manual, Static etc.

   Initial State:

   Input:

   Output:

   How test will be performed:

6.3.2 Module ?

...

6.4   Traceability Between Test Cases and Modules

References

Author Author. System requirements specification. https://github.com/...,
2019.

7 Appendix

This is where you can place additional information.

7.1 Symbolic Parameters

The definition of the test cases will call for SYMBOLIC_CONSTANTS. Their values are defined in this section for easy maintenance.

7.2 Usability Survey Questions?

Appendix — Reflection

The information in this section will be used to evaluate the team members on the graduate attribute of Lifelong Learning. Please answer the following questions:

Appendix — Reflection

The information in this section will be used to evaluate the team members on the graduate attribute of Lifelong Learning. Please answer the following questions:

1. What knowledge and skills will the team collectively need to acquire to successfully complete the verification and validation of your project? Examples of possible knowledge and skills include dynamic testing knowledge, static testing knowledge, specific tool usage etc. You should look to identify at least one item for each team member.

2. For each of the knowledge areas and skills identified in the previous question, what are at least two approaches to acquiring the knowledge or mastering the skill? Of the identified approaches, which will each team member pursue, and why did they make this choice?