# Test Case Specification

(Note: Each step could be a separate test case specification)

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| --- | --- | --- | --- |
| **Test Case Id** | TC\_XYZ\_AUTH\_1 | | |
| **Purpose of test** | To check that an existing user can log into the system | | |
| **Items being tested** | Login functionality | | |
| **Setup** | * The XYZ database needs to be online and available. * User “ishere” should exist with password “here1234” | | |
| **Tear Down** | * User “ishere” is removed from the databases | | |
| **Step number** | **Step Description** | **Expected Results** | **Comments** |
| 1 | Navigate to the login page | The login page is displayed | Check that all needed input elements are present, check grammar |
| 2 | 1. Enter “ishere” as the username 2. Enter “here1234” as the password 3. Click Log In | The user should be authenticated and taken to the main screen. |  |

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| --- | --- | --- | --- |
| **Test Case Id** | TC\_XYZ\_AUTH\_2 | | |
| **Purpose of test** | To check that an existing user cannot log in with incorrect password | | |
| **Items being tested** | Login functionality | | |
| **Setup** | * The XYZ database needs to be online and available. * User “ishere” should exist with password “here1234” | | |
| **Tear Down** | * User “ishere” is removed from the databases | | |
| **Step number** | **Step Description** | **Expected Results** | **Comments** |
| 1 | Navigate to the login page | The login page is displayed | Check that all needed input elements are present, check grammar |
| 2 | 1. Enter “ishere” as the username 2. Enter “here123” as the password 3. Click Log In | Message indicating “Incorrect username or password” |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case Id** | TC\_XYZ\_AUTH\_3 | | |
| **Purpose of test** | To check that a non-existing user cannot log in | | |
| **Items being tested** | Login functionality | | |
| **Setup** | * The XYZ database needs to be online and available. * User “isnothere” should not exist | | |
| **Tear Down** | * None | | |
| **Step number** | **Step Description** | **Expected Results** | **Comments** |
| 1 | Navigate to the login page | The login page is displayed | Check that all needed input elements are present, check grammar |
| 2 | 1. Enter “isnothere” as the username 2. Enter “here123” as the password 3. Click Log In | Message indicating “Incorrect username or password” |  |

# Test Case Run

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| --- | --- | --- | --- |
| **Test Case Run Id** | TC\_XYZ\_AUTH\_1\_RUN | | |
| **Test Case Id** | TC\_XYZ\_AUTH\_1 | | |
| **Run Date and Time** | Jan 24, 2016 @ 10:46am | | |
| **Step number** | **Step Description** | **Expected Results** | **Actual Results** |
| 1 | Navigate to the login page | The login page is displayed | Pass |
| 2 | 1. Enter “ishere” as the username 2. Enter “here1234” as the password 3. Click Log In | The user should be authenticated and taken to the main screen. | **Fail – the program crashes before getting to the main screen** |

# Defect Details

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| --- | --- |
| **Defect Id** | TC\_XYZ\_DEF\_1 |
| **Test Case Run Id** | TC\_XYZ\_AUTH\_1\_RUN |
| **Run Date and Time** | Jan 24, 2016 @ 10:46am |
| **Defect Status** | Open |
| **Defect Classification** | Priority: Highest  Severity: Extreme |
| **Defect Description** | When logging in with a valid username and password, the XYZ system crashes before getting to the main screen. |
| **Affected Artifacts** | The application – Login Functionality |
| **Version information** | XYZ 1.0 |
| **Reported By** | Ima Tester |
| **Assigned To** | Ude Fihxer |

# Test Case Specification – Requirement Quality

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| --- | --- | --- | --- |
| **Test Case Id** | TC\_SIMS\_RQ\_REQ4.1 | | |
| **Purpose of test** | To verify the quality of requirement 4.1 | | |
| **Items being tested** | Requirement 4.1   * REQ-4.1.1: SIMS shall prompt the user for his or her username and password. If the username does not exist in SIMS shall display “The username given does not exist”, clear the username and password input fields, and place the cursor in the username field. If the username is correct and the password is wrong SIMS shall display “The password given does not match the username”, clear the password input fields, and place the cursor in password field. * REQ-4.1.2: SIMS shall store usernames and associated passwords in the data store. * REQ-4.1.3: SIMS shall encrypt the passwords before storing in the data store. * REQ-4.1.4: SIMS shall use SHA1 encryption schema. | | |
| **Needed environment** | * This test case specification * Quiet environment | | |
| **Item #** | **Checklist Item** | **Expected Results** | **Actual Results** |
| 1 | The requirement is unambiguous. | Yes |  |
| 2 | The requirement is correct. | Yes |  |
| 3 | The requirement is consistent. | Yes |  |
| 4 | The requirement is complete. | Yes |  |
| 5 | The requirement is testable. | Yes |  |
| 6 | The requirement is traceable. | Yes |  |
| 7 | The requirement is feasible. | Yes |  |
| 8 | The requirement is free of design detail. | Yes |  |

# Test Case Specification – Requirement Ambiguity

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case Id** | TC\_SIMS\_RA\_REQ4.5 | | |
| **Purpose of test** | To check the ambiguity of requirement 4.5 | | |
| **Items being tested** | Requirement 4.5   * REQ-4.5.1: SIMS shall allow an administrator to delete a user by selecting the delete option beside the user’s name in the users screen. * REQ-4.5.2: SIMS shall prompt the administrator to confirm the delete action. If the administrator selects the confirm button, SIMS will delete the user and return the administrator back to the users screen. If the administrator selects the cancel button, SIMS will return the administrator back the users screen without deleting the user. | | |
| **Needed environment** | * This test case specification * Quiet environment | | |
| **Item #** | **Checklist Item** | **Expected Results** | **Actual Results** |
| 1 | Dangling Else problem | No |  |
| 2 | Reference Ambiguity | No |  |
| 3 | Omission Ambiguity | No |  |
| 4 | Logical Operator Ambiguity | No |  |
| 5 | Negation Ambiguity | No |  |
| 6 | Unclear words | No |  |
| 7 | Built-in Assumptions Ambiguity | No |  |
| 8 | etc. Ambiguity | No |  |
| 9 | i.e. or e.g. Ambiguity | No |  |
| 10 | Temporal Ambiguity | No |  |
| 11 | Boundary Ambiguity | No |  |

# Test Case Specification – Analysis Model

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| --- | --- | --- | --- |
| **Test Case Id** | TC\_RMS\_AMQ\_DataModel | | |
| **Purpose of test** | To check the quality of the main analysis model | | |
| **Items being tested** |  | | |
| **Needed environment** | * This test case specification * The analysis model * Quiet environment | | |
| **Item #** | **Checklist Item** | **Expected Results** | **Actual Results** |
| 1 | Are major essential classes/entities identified? | Yes |  |
| 2 | Are all relevant data elements identified? | Yes |  |
| 3 | Are all major functions that transform data identified? | Yes |  |
| 4 | Are there any missing relationships? | Yes |  |
| 5 | Are identified relationships relevant? | Yes |  |
| 6 | Is the model complete? | Yes |  |
| 7 | Can the requirement be realized by the model? | Yes |  |