# Failure Log

## Document Format

The failure log lists the following fields:

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| **Failure Timestamp/Artifact Log No.** | This field contains the date and time upon which a failure to pass a test occurred, and a reference to Appendix A, where a screen capture shows the instance upon which the test failed, and any diagnostic output that was included.  *Multiple entries in this field correspond to multiple logged failures of the same test, and a corrective action and/or follow-up is included for each logged failure.* |
| **Test Case** | This field contains a reference to the test name for the failure. This must be cross-referenced with the test master list for further details on test specifics if necessary. |
| **Test Brief** | This field contains a brief description of the test case, and is the title by which tests are referred to in diagnostic output. |
| **Error Details** | This field contains findings recovered from investigating the failure of a test to pass, and details the error in brief. |
| **Corrective Action Taken** | This field details the corrective action attempted to make a test case pass. |
| **Follow-Up** | This field details any additional follow-up action that was taken beyond the initial remediation, if it was required. |
| **Pass Timestamp/Artifact Log No.** | This field contains the date and time upon which a test passed after having failed initially, and a reference to Appendix A, where a screen capture shows the instance upon which the test passed, and subsequent re-runs of the test passed without error. |

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| Failure Timestamp | Artifact Log No. | Test Case | Test Brief | Error Details | Corrective Action Taken | Follow-Up | Pass Timestamp | Artifact Log No. |
| 17/03/2013/17:38 | 1 | Sell\_20 | Save Sell Transaction to Daily Transaction File | Test case was missing logout transaction; daily transaction file is never created. | Test case updated. | Corrective action was sufficient, all subsequent tests passed. | 17/03/2013/18:54 | 7 |
| 17/03/2013/17:38  17/03/2013/17:52 | 1  2 | Sell\_21 | Sale Transaction Session Constraint | Test case was missing daily transaction file exemplar.  Test case was missing logout transaction; daily transaction file is never created. | Test case updated. | Corrective action was sufficient, all subsequent tests passed. | 17/03/2013/18:54 | 7 |
| 17/03/2013/17:52 | 2 | Sell\_12 | Ticket Price Input Format (Non-Decimal Input, numerical) | Bug found: non-decimal numerical input values were not being sanitized prior to input. | Validation of input strings updated for sell transaction. | Corrective action was sufficient, all subsequent tests passed. | 17/03/2013/18:54 | 7 |
| 18/03/2013/15:59 | 3 | Buy\_9 | Ticket Purchase Number (more than 4, buy-standard) | Formatting of output strings in test did not match correct expected output. | Formatting of output strings in test expected was corrected using standard strings from recorded exemplars. | Corrective action was sufficient, all subsequent tests passed. | 19/03/2013/12:45 | 8 |
| 18/03/2013/15:59 | 3 | Buy\_10 | Ticket Purchase Number (more than 4, full-standard) | Formatting of output strings in test did not match correct expected output. | Formatting of output strings in test expected was corrected using standard strings from recorded exemplars. | Corrective action was sufficient, all subsequent tests passed. | 19/03/2013/12:45 | 8 |
| 18/03/2013/15:59 | 3 | Buy\_11 | Ticket Purchase Number (less than 4, buy-standard) | Formatting of output strings in test did not match correct expected output. | Formatting of output strings in test expected was corrected using standard strings from recorded exemplars. | Corrective action was sufficient, all subsequent tests passed. | 19/03/2013/12:45 | 8 |
| 18/03/2013/15:59 | 3 | Buy\_12 | Ticket Purchase Number (less than 4, full-standard) | Formatting of output strings in test did not match correct expected output. | Formatting of output strings in test expected was corrected using standard strings from recorded exemplars. | Corrective action was sufficient, all subsequent tests passed. | 19/03/2013/12:45 | 8 |
| 18/03/2013/15:59 | 3 | Buy\_13 | Ticket Purchase Number (more than 4, admin) | Formatting of output strings in test did not match correct expected output. | Formatting of output strings in test expected was corrected using standard strings from recorded exemplars. | Corrective action was sufficient, all subsequent tests passed. | 19/03/2013/12:45 | 8 |
| 18/03/2013/15:59 | 3 | Buy\_14 | Ticket Purchase from Seller Prompt | Formatting of output strings in test did not match correct expected output. | Formatting of output strings in test expected was corrected using standard strings from recorded exemplars. | Corrective action was sufficient, all subsequent tests passed. | 19/03/2013/12:45 | 8 |
| 18/03/2013/15:59 | 3 | Buy\_15 | Ticket Purchase from Seller (Invalid Seller, does not exist) | Formatting of output strings in test did not match correct expected output. | Formatting of output strings in test expected was corrected using standard strings from recorded exemplars. | Corrective action was sufficient, all subsequent tests passed. | 19/03/2013/12:45 | 8 |
| 18/03/2013/15:59 | 3 | Buy\_16 | Ticket Purchase from Seller (Invalid Seller, current active user) | Formatting of output strings in test did not match correct expected output. | Formatting of output strings in test expected was corrected using standard strings from recorded exemplars. | Corrective action was sufficient, all subsequent tests passed. | 19/03/2013/12:45 | 8 |
| 18/03/2013/15:59  18/03/2013/21:22 | 3  4 | Buy\_17 | Ticket Purchase from Seller (Valid Seller) | Failed due to unmet dependencies. | Not applicable. | Follow-up test conducted. | 19/03/2013/12:45 | 8 |
| 18/03/2013/15:59  18/03/2013/21:22 | 3  4 | Buy\_18 | Sale Information Display | Failed due to unmet dependencies.  Test case numbering offset error, resulting in false positive for unmet dependencies. | Not applicable.  Test case numbering corrected. | Follow-up test conducted.  Corrective action was sufficient, all subsequent tests passed. | 19/03/2013/12:45 | 8 |
| 18/03/2013/15:59  18/03/2013/21:22 | 3  4 | Buy\_19 | Purchase Prompt | Formatting of output strings in test did not match correct expected output.  Test case numbering offset error, resulting in false positive for unmet dependencies. | Formatting of output strings in test expected was corrected using standard strings from recorded exemplars.  Test case numbering corrected. | Corrective action was sufficient, all subsequent tests passed. | 19/03/2013/12:45 | 8 |
| 18/03/2013/15:59  18/03/2013/21:22 | 3  4 | Buy\_20 | Purchase Prompt Input (Invalid input, garbage) | Failed due to unmet dependencies.  Test case numbering offset error, resulting in false positive for unmet dependencies. | Not applicable.  Test case numbering corrected. | Follow-up test conducted.  Corrective action was sufficient, all subsequent tests passed. | 19/03/2013/12:45 | 8 |
| 18/03/2013/15:59  18/03/2013/21:22  18/03/2013/23:40 | 3  4  5 | Buy\_21 | Purchase Prompt Input (Valid Input, “no”) | Formatting of output strings in test did not match correct expected output.  Test case numbering offset error, resulting in false positive for unmet dependencies.  Formatting of output strings in test did not match correct expected output. | Formatting of output strings in test expected was corrected using standard strings from recorded exemplars.  Test case numbering corrected. | Additional correction of expected output strings resulted in pass.  Corrective action was sufficient, all subsequent tests passed. | 19/03/2013/12:45 | 8 |
| 18/03/2013/15:59  18/03/2013/21:22  18/03/2013/23:40 | 3  4  5 | Buy\_22 | Purchase Prompt Input (Valid Input, “yes”) | Failed due to unmet dependencies.  Formatting of output strings in test did not match correct expected output.  Test case numbering offset error, resulting in false positive for unmet dependencies. | Test dependencies corrected.  Formatting of output strings in test expected was corrected using standard strings from recorded exemplars.  Test case numbering corrected. | Follow-up test conducted. Passed after dependencies met. | 19/03/2013/12:45 | 8 |
| 18/03/2013/15:59  18/03/2013/21:22  18/03/2013/23:40 | 3  4  5 | Buy\_23 | Ticket Sale Daily Transaction File | Formatting of output strings in test did not match correct expected output.  Test case numbering offset error, resulting in false positive for unmet dependencies.  Failed due to unmet dependencies. | Formatting of output strings in test expected was corrected using standard strings from recorded exemplars.  Test case numbering corrected.  Test dependencies corrected. | Follow-up test conducted.  Corrective action was sufficient, all subsequent tests passed. | 19/03/2013/12:45 | 8 |
| 18/03/2013/16:03 | 6 | Addcredit\_7 | Privileged Mode Prompt (Username) | Formatting of output strings in test did not match correct expected output. | Formatting of output strings in test expected was corrected using standard strings from recorded exemplars. | Corrective action was sufficient, all subsequent tests passed. | 18/03/2013/16:13 | 9 |
| 18/03/2013/16:03 | 6 | Addcredit\_8 | Privileged Username Input Validation (invalid input, does not exist) | Failed due to unmet dependencies. | Test dependencies corrected. | Corrective action was sufficient, all subsequent tests passed. | 18/03/2013/16:13 | 9 |
| 18/03/2013/16:03 | 6 | Addcredit\_9 | Privileged Username Input Validation (Valid Input) | Failed due to unmet dependencies. | Test dependencies corrected. | Corrective action was sufficient, all subsequent tests passed. | 18/03/2013/16:13 | 9 |

## Discussion

Throughout testing, only one bug in the front end was found (highlighted in red). The remaining errors were due to deficiencies in the tests conducted, whereby errors were made in the exemplar output. Using a file to store all the ‘standard’ strings that were used throughout the program was useful to correct these errors, however, it was found that updating this file across versions was critical to ensuring that the tests functioned correctly.

# Appendix A – Test Result Artifact Log

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| **Artifact Log No.** | **Screen Capture** |
| 1 | C:\Users\100440203\Desktop\stuff\good\1.png |
| 2 | C:\Users\100440203\Desktop\stuff\good\2.png |
| 3 | C:\Users\100440203\Desktop\stuff\good\3.png |
| 4 | C:\Users\100440203\Desktop\stuff\good\4.png |
| 5 | C:\Users\100440203\Desktop\stuff\good\5.png |
| 6 | C:\Users\100440203\Desktop\stuff\good\6.png |
| 7 | C:\Users\100440203\Desktop\stuff\good\7.png |
| 8 | C:\Users\100440203\Desktop\stuff\good\8.png |
| 9 | C:\Users\100440203\Desktop\stuff\good\9.png |