

**ShipIT, An Interoffice Shipping Application**CS633 Software Quality, Testing and Security Management  
**Test Cases—Version 1.0**  
Group #6  
Brian Calhoun  
Alicia Gallagher  
Steven Hoffman  
Eunjou Kim  
Carolina Torres  
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## E. Test Cases

The following is a summary of the execution of the following 6 test cases.

3 of the 6 test cases could not be run because functionality had not been completed.

Of the 3 test cases that were run, two of them passed and one failed.

Three separate deviations were recorded during testing. See the following section for more information.

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| **General Information** | | | |
| Test Type | ⮽ Functionality □ Positive □ Negative □ Performance □ Regression □ Overload | | |
| Test Number | 1 | Test Date | 2/24/2017 |
| Test Case  Description | Verify that a shipper&receiver user can create a shipment of one or more packages for pickup.  Relevant data is mapped and the user has access to the created shipment data. | | |
| Results | ⮽ Pass □ Fail | | |
| **Introduction** | | | |
| Requirement(s) to be tested | All relevant data is successfully captured by the shipment system and correctly transferred between the different screens of the application.  Related to requirement number 1. | | |
| Set Up and Constrains | To complete this test, the user must be setup and have access to the shipment system. The proper permissions must be in place so that they can create a shipment. | | |
| **Test** | | | |
| Input | The user will need to enter entries for the following fields while completing the test on the create shipment screen of the application.  **User Input :**   * Destination Name – Enter receiver’s name * Destination Department – Enter receiver’s department * Sender Name – Enter sender’s name * Sender Department – Enter sender’s department * Notes – Enter description   **System Input :**   * Status – Default value (Ready for Pickup) * Track Number – Sequence number * Submitted Date – Data creation date | | |
| Procedural Steps | 1. Open the shipment application. 2. Navigate to the create shipment screen. 3. Enter in values for the above mentioned columns, outlined in the input section of the test. 4. Save the change with submit button and close the screen. 5. Open up the track shipments screen. 6. Verify all the data is entered and mapped to the proper locations from the create shipment screen to the track shipments screen. 7. Repeat step 1-6 to verify that multiple shipments data is successfully transferred. | | |
| Expected Results | The test is a success if the values entered in the create shipment screen per the input and procedural steps listed above successfully map to the proper track shipments screen columns. The values entered should map as follows:   * Track Number → Track # * Status → Status * Submitted Date → Date Created * Destination Name → Destination Name * Destination Department → Destination Dept * Sender Name → Sender Name * Sender Department → Sender Dept | | |
| **Actual Results** | | | |
| Actual Results | Relevant outputs from the procedural steps:  Step 1: The shipment application opens as expected.  Step 2: Application opens to the create shipment screen.  Step 3: All column headers exist and values are entered.    Step 4: User is able to navigate to the track shipments screen.  Step 5: The corresponding data appears as entered on the track shipments screen from the create shipment screen.    The test passed. All steps were able to be completed as expected with the outcomes that were listed in the test case.  Screenshots for step 7: | | |
| Comments | Shipment data of one or more packages is created and stored in the JSON file. The most recently created item is populated in the track shipments list. | | |

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| **General Information** | | | |
| Test Type | ⮽ Functionality □ Positive □ Negative □ Performance □ Regression □ Overload | | |
| Test Number | 2 | Test Date | 2/24/2017 |
| Test Case  Description | Verify that a shipper&receiver user can edit and cancel a shipment of one or more packages.  Relevant data is updated and the user has access to the recent shipment data. | | |
| Results | ⮽ Pass □ Fail | | |
| **Introduction** | | | |
| Requirement(s) to be tested | All relevant data is successfully captured by the shipment system and correctly transferred between the different screens of the application.  Related to requirement number 1. | | |
| Set Up and Constrains | To complete this test, the shipment data must be created. The user defined as a sihpper&receiver must view all shipment data. | | |
| **Test** | | | |
| Input | The user will need to edit entries for the following fields while completing the test on the edit shipment screen of the application.  **User Input :**   * Destination Name – Enter receiver’s name * Destination Department – Enter receiver’s department * Sender Name – Enter sender’s name * Sender Department – Enter sender’s department * Notes – Enter description | | |
| Procedural Steps | 1. Open the shipment application. 2. Navigate to the track shipments screen. 3. Select a row and click edit selected button. 4. Edit values for the above mentioned columns. 5. Save the change with submit button and close the screen. 6. Open up the track shipments screen. 7. Verify all the data is entered and mapped to the proper locations from the edit shipment screen to the track shipments screen. 8. Repeat step 1-3 and click cancel selected. 9. Verify that the selected items are canceled on the track shipments screen. | | |
| Expected Results | The test is a success 1) if the values entered in the edit shipment screen per the input and procedural steps listed above successfully map to the proper track shipments screen columns. The values entered should map as follows:   * Destination Name → Destination Name * Destination Department → Destination Dept * Sender Name → Sender Name * Sender Department → Sender Dept   2) if selected items were canceled on the track shipments screen with cancel selected button. | | |
| **Actual Results** | | | |
| Actual Results | Relevant outputs from the procedural steps:  Step 1: The shipment application opens as expected.  Step 2: Application opens to the track shipments screen.  Step 3: All column headers exist and values are entered.  Step 4: User is able to select a row to edit.  Step 5: The edit shipment screen opens with edit selected button.    Step 6: User is able to change values in the field.    Step 7: User is able to select multiple rows on the track shipments screen.  Step 8: Cancel selected button removes selected item and track shipments screen is refreshed.  (Note: Shipment 3001 was canceled)    The test passed. All steps were able to be completed as expected with the outcomes that were listed in the test case. | | |
| Comments | Shipment data of one or more packages is updated and stored in the JSON file. | | |

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| **General Information** | | | |
| Test Type | ⮽ Functionality □ Positive □ Negative □ Performance □ Regression □ Overload | | |
| Test Number | 3 | Test Date | \*\*\*NOT RUN\*\*\*See Comments\*\*\* |
| Test Case  Description | Verify that a shipper&receiver or receiver user can see the latest information of shipments.  Selected items are printable as physical receipts. | | |
| Results | □ Pass □ Fail | | |
| **Introduction** | | | |
| Requirement(s) to be tested | All relevant data is successfully captured by the shipment system and correctly printed.  Related to requirement number 2 and 3. | | |
| Set Up and Constrains | To complete this test, the shipment data must be created. The user defined as a sihpper&receiver or receiver must view all shipment data. | | |
| **Test** | | | |
| Input |  | | |
| Procedural Steps | 1. Open the shipment application. 2. Navigate to the track shipments screen. 3. Select one or more rows and click print selected button. 4. Verify all the printed data is matching with the displayed data on the tracking shipments list. | | |
| Expected Results | The test is a success if the values printed are map to the proper track shipments screen columns. | | |
| **Actual Results** | | | |
| Actual Results | Relevant outputs from the procedural steps:  Step 1: The shipment application opens as expected.  Step 2: Application opens to the track shipments screen.  Step 3: All column headers exist and values are entered.  (Screenshot to be added)  Step 4: User is able to click one or more rows.  Step 5: The corresponding data is printed when the print selected button is clicked. | | |
| Comments | This test was not able to be run because printing functionality has not been enabled yet. | | |

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| **General Information** | | | |
| Test Type | ⮽ Functionality □ Positive □ Negative □ Performance □ Regression □ Overload | | |
| Test Number | 4 | Test Date | 2/24/2017 |
| Test Case  Description | Verify that a courier user has access to the list of shipments and update status screen.  User completes the shipment by updating its status. | | |
| Results | □ Pass ⮽ Fail | | |
| **Introduction** | | | |
| Requirement(s) to be tested | Updated status is successfully captured by the shipment system and correctly transferred between the different screens of the application.  Related to requirement number 4. | | |
| Set Up and Constrains | To complete this test, the shipment data must be created. The user defined as a interoffice courier must view all shipment data. | | |
| **Test** | | | |
| Input | The user will need to edit status field while completing the test on the update status screen of the application.  **User Input :**   * Status – Selected per dropdown menu (Picked Up / Delivered) | | |
| Procedural Steps | 1. Open the shipment application. 2. Navigate to the track shipments screen. 3. Select one row and click update status button. 4. Edit status to ‘picked up’. 5. Save the change with save button and close the screen. 6. Open up the track shipments screen. 7. Verify that the selected item’s status is changed. 8. Repeat step 1-7 for ‘delivered’ status. | | |
| Expected Results | The test is a success if the status is successfully updated to the status column on the track shipments screen.   * Status→ Status | | |
| **Actual Results** | | | |
| Actual Results | Relevant outputs from the procedural steps:  Step 1: The shipment application opens as expected.  Step 2: Application opens to the track shipments screen.  Step 3: All column headers exist and values are entered.  Step 4: User is able to select a row to edit status.  Step 5: The updated shipment screen opens with update status button. NOTE: This window was not updated with the current status.    Step 6: Clicking the Save button has no effect. | | |
| Comments | This feature is restricted to the interoffice courier user group. | | |

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| **General Information** | | | |
| Test Type | ⮽ Functionality □ Positive □ Negative □ Performance □ Regression □ Overload | | |
| Test Number | 5 | Test Date | \*\*\*NOT RUN\*\*\*See Comments\*\*\* |
| Test Case  Description | Verify that an admin user can add or remove employees’ information and the data is saved.  Newly created users should have access to ShipIT. | | |
| Results | □ Pass □ Fail | | |
| **Introduction** | | | |
| Requirement(s) to be tested | All relevant data is successfully saved or removed by the shipment system and newly created users grant login access to the application.  Related to requirement number 5. | | |
| Set Up and Constrains | To complete this test the admin user must be setup. | | |
| **Test** | | | |
| Input | The user will need to enter entries for the following fields while completing the test on the add employee of the application.  **User Input :**   * Name – Enter employee’s name * Phone Number – Enter employee’s telephone number * ID – Enter employee’s ID * Department – Enter employee’s department * Role – Enter employee’s role | | |
| Procedural Steps | 1. Open the shipment application. 2. Navigate to the user management screen. 3. Select user creation button. 4. Open the add employee screen and enter new employee’s data. 5. Save the data with save button and close the screen. 6. Verify that the data has been entered on the employee list. 7. Login with the newly created user account. 8. Verify that the user has access to the screens and authority to create a shipment. 9. Login with admin account. 10. Select a user to remove. 11. Remove the employee’s data with remove button. 12. Verify that the user data has been removed on the ShipIT user list. | | |
| Expected Results | The test is a success 1) if the values entered in the user creation screen per the input and procedural steps listed above successfully map to the proper user list screen columns. The values entered should map as follows:   * Name → Name * Phone Number → Phone Number * ID → ID * Department → Department * Role → Role * 2) if selected employee was deleted on the ShipIT user list with remove button. | | |
| **Actual Results** | | | |
| Actual Results | Relevant outputs from the procedural steps:  Step 1: The shipment application opens as expected.  Step 2: Application opens to the user management screen.  Step 3: Application opens to the add employee screen.  Step 4: All column headers exist and values are entered.  Step 5: User is able to see the row with new employee information.  (Screenshot to be added)  Step 6: Created user has access to the shipment system.  (Screenshot to be added)  Step 7: The updated user management screen opens.  Step 8: Admin user is able to select a user and remove.  Step 9: Selected row is deleted on the ShipIT user list.  The test passed. All steps were able to be completed as expected with the outcomes that were listed in the test case. | | |
| Comments | This test was not able to be run because this functionality has not been enabled yet. | | |

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| **General Information** | | | |
| Test Type | ⮽ Functionality □ Positive □ Negative □ Performance □ Regression □ Overload | | |
| Test Number | 6 | Test Date | \*\*\*NOT RUN\*\*\*See Comments\*\*\* |
| Test Case  Description | Verify that an admin user can add or remove interoffice courier information.  Newly created interoffice account users should have access to ShipIT. | | |
| Results | □ Pass □ Fail | | |
| **Introduction** | | | |
| Requirement(s) to be tested | All relevant data is successfully saved or removed by the shipment system and newly created users grant login access to the application.  Related to requirement number 6. | | |
| Set Up and Constrains | To complete this test the admin user must be setup. | | |
| **Test** | | | |
| Input | The user will need to enter entries for the following fields while completing the test on the courier management screen of the application.  **User Input :**   * Name – Enter contact person of courier * ID – Enter courier’s ID * Company Name – Enter courier company’s name * Address – Enter courier’s address * Phone Number – Enter courier’s telephone number   **System Input :**   * Account Type – Default value (Interoffice Courier) | | |
| Procedural Steps | 1. Open the shipment application. 2. Navigate to the user management screen. 3. Select add interoffice courier button. 4. Enter new courier’s data. 5. Save the data with save button and close the screen. 6. Verify that the data has been entered on the courier list. 7. Login with the newly created courier user account. 8. Verify that the user has access to the screens and authority to view shipment items. 9. Login with admin account. 10. Select a courier to remove. 11. Remove the courier’s data with remove button. 12. Verify that the courier data has been removed on the list. | | |
| Expected Results | The test is a success 1) if the values entered in the courier creation screen per the input and procedural steps listed above successfully map to the proper courier list screen columns. The values entered should map as follows:   * Name → Name * ID → ID * Company Name → Company Name * Address → Address * Phone Number → Phone Number * Account Type → Account Type   2) if selected courier was deleted on the courier list with remove button. | | |
| **Actual Results** | | | |
| Actual Results | Relevant outputs from the procedural steps:  Step 1: The shipment application opens as expected.  Step 2: Application opens to the user management screen.  Step 3: Application opens to the add courier screen.  Step 4: All column headers exist and values are entered.  Step 5: User is able to see the row with new courier information.  (Screenshot to be added)  Step 6: Created courier user has access to the shipment system.  (Screenshot to be added)  Step 7: The updated courier management screen opens.  Step 8: Admin user is able to select a courier and remove.  Step 9: Selected row is deleted on the courier list.  The test passed. All steps were able to be completed as expected with the outcomes that were listed in the test case. | | |
| Comments | This test was not able to be run because this functionality has not been enabled yet. | | |

## F. Deviations

The following deviations were noted while testing the application.

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| # | Description | Found | Status | Notes |
| 1 | Notes Entry not stored. | Test case 2. | Resolved | This deviation didn’t fail the execution of the test case but was noticed when opening a shipment that had just been created. |
| 2 | Update Shipment Status field not set. | Test Case 4 | Pending | When opening the Update Status screen, the initital value of Shipment Status should match what is shown in the Track Shipments screen. |
| 3 | Unable to Update Shipment Status | Test Case 4 | Pending | Clicking the Save button in the Update Status window has no effect. |