

**ShipIT, An Interoffice Shipping Application**CS633 Software Quality, Testing and Security Management  
**Test Cases—Version 0.2**  
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## E. Test Cases

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| **General Information** | | | |
| Test Type | ⮽ Functionality □ Positive □ Negative □ Performance □ Regression □ Overload | | |
| Test Number | 1 | Test Date | //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.  (Screenshot to be added)  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.  (Screenshot to be added)  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 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 | //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.  (Screenshot to be added)  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.  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 | //2017 |
| Test Case  Description | Verify that a shipper&receiver or receiver user can see the latest information of shipments.  Received 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.  The test passed. All steps were able to be completed as expected with the outcomes that were listed in the test case. | | |
| Comments | Must be test with two different user levels (shipper&receiver, receiver). | | |

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| **General Information** | | | |
| Test Type | ⮽ Functionality □ Positive □ Negative □ Performance □ Regression □ Overload | | |
| Test Number | 4 | Test Date | //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.  (Screenshot to be added)  Step 6: User is able to change status and save.  Step 8: New status appears on the track shipments screen from the update status screen.  The test passed. All steps were able to be completed as expected with the outcomes that were listed in the test case. | | |
| Comments | This feature is restricted to the interoffice courier user group. | | |