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Fall



**Test Case: BASE-API-8010 API Alternate Item Lookups**

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API Alternate Item Lookups

This document documents the test case instructions for the BASE-API-8010 API Alternate Item Lookups.

**Please note**: The inputs used in these test case specifications (defined in the input CSV files or Datastore) are relative to our testing warehouse environment and are provided as examples. These inputs should be substituted with valid inputs relative to your WMS environment.

Test Case Setup

* Test Case Background function will run the standard set of setup scenarios for the bundle.
* Test Case Dataset
  + Data load is not required

Test Case Cleanup

* The Test Case After Scenario will run the standard cleanup actions for the bundle.
* Data created during dataset creation and execution is cleaned up

Test Case Prerequisites and Assumptions

* The Test Case executes without interacting with User Interfaces
* The item(s) included in the Test Case Input are valid item(s) in the warehouse
* The client\_id and wh\_id configured in Environment feature match the data in the Test Case Input and will be used for validation, if they do not match, then define client\_id and wh\_id in local data override
* The Blue Yonder WMS version is >= 2020.1.1

Test Case Examples

This Test Case will be run with the following examples specified in the Test Case Inputs CSV file:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item Number | Item Client ID | UOM Code | Alternate Item Type | Expected Alternate Item Number |
| COMB-01 | CLIENT A | *(null)* | GTIN | COMB-01-GTIN |
| COMB-01 | CLIENT A | *(null)* | UPCCOD | COMB-01-UPC |
| COMB-01 | CLIENT A | *(null)* | EAN | *(does not exist)* |
| COMB-01 | CLIENT A | CS | GTIN | *(does not exist)* |
| COMB-01 | CLIENT A | CS | UPCCOD | *(does not exist)* |
| COMB-01 | CLIENT A | CS | EAN | *(does not exist)* |
| SHAMPOO-01 | CLIENT A | *(null)* | GTIN | SHAMPOO-01-GTIN |
| SHAMPOO-01 | CLIENT A | *(null)* | UPCCOD | *(does not exist)* |
| SHAMPOO-01 | CLIENT A | *(null)* | EAN | *(does not exist)* |
| SHAMPOO-01 | CLIENT A | CS | GTIN | *(does not exist)* |
| SHAMPOO-01 | CLIENT A | CS | UPCCOD | *(does not exist)* |
| SHAMPOO-01 | CLIENT A | CS | EAN | *(does not exist)* |
| SOAP-01 | CLIENT A | *(null)* | GTIN | *(does not exist)* |
| SOAP-01 | CLIENT A | *(null)* | UPCCOD | SOAP-01-UPC |
| SOAP-01 | CLIENT A | *(null)* | EAN | *(does not exist)* |
| SOAP-01 | CLIENT A | CS | GTIN | *(does not exist)* |
| SOAP-01 | CLIENT A | CS | UPCCOD | *(does not exist)* |
| SOAP-01 | CLIENT A | CS | EAN | *(does not exist)* |

Test Case Configurations

The Test Case will be run in the following test configurations:

* Only Single-Warehouse Configuration Tested

Test Case Verification Approach

This test will verify that the Blue Yonder API returns the correct result from the /api/item/v1beta/items/<resourceId>/alternates endpoint, and that Cycle can parse the response correctly.

Test Case Specification

|  |  |
| --- | --- |
| **Test Case:** BASE-API-8010 API Alternate Item Lookups | **Description:** API Alternate Item Lookups **Functional Area:** API **Test Case Type:** Regression **Dataset:** None **Test Case Inputs:** Test Case Inputs/BASE-API-8010.csv **Test Case Detail Input CSV:** None **Duration:** 2.5 minutes |

|  |  |
| --- | --- |
| **Steps, Actions, and Expected Results** | **Supporting information and/or Affected Data** |
| **Step 1**: Determine which parameters to use for the API request. Item Number, Item Client ID, and Alternate Item Type are always required. Optionally, UOM Code can also be included to further narrow the results.  **Actions**:   * Prepare the API request   **Expected Results**:   * If one or more of the required arguments are missing, an error will be thrown. | No screen data given. Test is not interacting with a user interface |
| **Step 2**: Invoke the API request  **Actions**:   * An HTTP GET request will retrieve JSON data from the Blue Yonder web service * These Postman screenshots are for reference only. The Test Case itself does not interact with any UIs.   **Expected Results**:   * An HTTP response code of “200 OK” indicates that the request was properly authorized and properly formatted. Any other status indicates an error occurred. |  |
| **Step 3**: Parse the API response  **Actions**:   * Validates the JSON response * Scans the JSON response for a matching Alternate Item   **Expected Results**:   * If an alternate item matching the Alternate Item Type (and optionally UOM Code) is found, the corresponding Alternate Item Number returned. Otherwise, an empty string will be returned. | Example response JSON:  {      "alternateItems": [          {              "alternateItemId": {                  "alternateItemNumber": "RJF12345",                  "itemClientId": "CLIENT A",                  "alternateItemType": "GTIN",                  "itemNumber": "RJFITEM"              },              "uomCode": "CS"          }      ]  } |
| **Step 4**: Verify the Alternate Item Number  **Actions**:   * The Alternate Item Number returned from the API will be compared against the expected value from the CSV.   **Expected Results**:   * If the values match, the Test Case succeeds. If the values do not match, the Test Case fails. | No screen data given. Test is not interacting with a user interface |

|  |  |
| --- | --- |
| **Final State:** Alternate Item Lookup is successful | No screen data given. Test is not interacting with a user interface |