

Test Case Document

Project Information:

Project Name: Bags.io Full-stack (SERN) Web Application

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1. Introduction

This document outlines the test cases for the Back-end of Bags.io Web Application. The test cases will cover user simulated testing of Create, Update and Delete operations on '/api/bags', '/api/items' and Create and Delete on '/api/user'.

2. Test Cases

Test id: TC01

Test Description: Signing up

Preconditions: Postman opened with the collections imported

Test Steps:

1. Navigate to Basic Queries → Sign Up → Localhost Test SignUp
2. Click "Send"
3. Click "Save Response"
4. Name the response "Localhost Test Signup – Supabase Result"

Post-conditions: Response Pane should show a response.

Expected Result: JSON object with "message": "New User Created", Status Code **201**

Actual Result:

Status (Complete/Incomplete): Incomplete

Result (Pass/Fail): Undetermined

Test id: TC02

Test Description: Logging In

Preconditions: User has already signed up

Test Steps:

1. Navigate to Basic Queries → Log In → Localhost Test Login
2. Click "Send"
3. Click "Save Response"
4. Name the response "Localhost Test Login – Supabase Result"

Post-conditions: Response Pane should show a response.

Expected Result: JSON object with "message": "Login successful", Status Code **200**

Actual Result:

Status (Complete/Incomplete): Incomplete

Result (Pass/Fail): Undetermined

Test id: TC03

Test Description: Creating a bag

Preconditions: The token string is copied from the successful response of TC02.

Test Steps:

1. Navigate to Basic Queries → Bags → Create Bags
2. Go to the Headers tab
3. Update the Authorization key value with the new token string
4. Click "Send"
5. Click "Save Response"
6. Name the response "Create Bags – Supabase Result"

Post-conditions: Response Pane should show a response.

Expected Result: JSON object with "message": "New Bag Created", Status Code **201**

Actual Result:

Status (Complete/Incomplete): Incomplete

Result (Pass/Fail): Undetermined

Test id: TC04

Test Description: Creating an item (without image)

Preconditions: At least 1 bag has been created. The token string is copied from the successful response of TC02.

Test Steps:

1. Navigate to Basic Queries → Items → Create Item
2. Go to the Headers tab
3. Update the Authorization key value with the new token string
4. From the TC03 successful JSON response, copy the "bid" number value
5. Go to the Body tab
6. Update the existing "bid" number with the copied number.
7. Click "Send"
8. Click "Save Response"

9. Name the response "Create Item – Supabase Result"

Post-conditions: Response Pane should show a response.

Expected Result: JSON object with "message": "New Item Created", Status Code **201**

Actual Result:

Status (Complete/Incomplete): Incomplete

Result (Pass/Fail): Undetermined

Test id: TC05

Test Description: Modify the name of an item

Preconditions: At least 1 item has been created. The token string is copied from the successful response of TC02.

Test Steps:

1. Navigate to Basic Queries → Items → Edit Item
2. Go to the Headers tab
3. Update the Authorization key value with the new token string
4. From the TC04 successful JSON response, copy the "iid" number value
5. Update the Edit Item request URI, by changing the resource to the new copied "iid" number value
6. Go to the Body tab
7. Change the string of the "iname" property
8. Click "Send"
9. Click "Save Response"
10. Name the response "Edit Item – Supabase Result"

Expected Result: JSON object with "message": "Item has been Updated!", Status Code **200**

Actual Result:

Status (Complete/Incomplete): Incomplete

Result (Pass/Fail): Undetermined

Test id: TC06

Test Description: Delete an item

Preconditions: At least 1 item has been created. The token string is copied from the successful response of TC02.

Test Steps:

1. Navigate to Basic Queries → Items → Delete Item
2. Go to the Headers tab
3. Update the Authorization key value with the new token string
4. From the TC04 successful JSON response, copy the "iid" number value
5. Update the Delete Item request URI, by changing the resource to the new copied "iid" number value
6. Click "Send"
7. Click "Save Response"
8. Name the response "Delete Item – Supabase Result"

Expected Result: JSON object with "message": "Item has been Deleted!", Status Code **200**

Actual Result:

Status (Complete/Incomplete): Incomplete

Result (Pass/Fail): Undetermined

Test id: TC07

Test Description: Modify the name of a bag

Preconditions: At least 1 bag has to be created. The token string is copied from the successful response of TC02.

Test Steps:

1. Navigate to Basic Queries → Bags → Edit Bag
2. Go to the Headers tab
3. Update the Authorization key value with the new token string
4. From the TC03 successful JSON response, copy the "bid" number value
5. Update the Edit Bag request URI, by changing the resource to the new copied "bid" number value
6. Change the string of the "bname" property
7. Click "Send"
8. Click "Save Response"
9. Name the response "Edit Bag – Supabase Result"

Expected Result: JSON object with "message": "Bag has been Updated!", Status Code **200**

Actual Result:

Status (Complete/Incomplete): Incomplete

Result (Pass/Fail): Undetermined

Test id: TC08

Test Description: Delete a bag

Preconditions: At least 1 bag has to be created. The token string is copied from the successful response of TC02.

Test Steps:

1. Navigate to Basic Queries → Bags → Delete Bag
2. Go to the Headers tab
3. Update the Authorization key value with the new token string
4. From the TC03 successful JSON response, copy the "bid" number value
5. Click "Send"
6. Click "Save Response"
7. Name the response "Delete Bag – Supabase Result"

Expected Result: JSON object with "message": "Bag has been Deleted!", Status Code **200**

Actual Result:

Status (Complete/Incomplete): Incomplete

Result (Pass/Fail): Undetermined

Test id: TC09

Test Description: Create another bag

Preconditions: The token string is copied from the successful response of TC02.

Test Steps:

1. Navigate to Basic Queries → Bags → Create Bag
2. Change the string of the "bname" property
3. Click "Send"

Expected Result: JSON object with "message": "New Bag Created", Status Code **201**

Actual Result:

Status (Complete/Incomplete): Incomplete

Result (Pass/Fail): Undetermined

Test id: TC10

Test Description: Create another item

Preconditions: At least 1 bag has to be created. The token string is copied from the successful response of TC02.

Test Steps:

1. Navigate to Basic Queries → Items → Create Items
2. From the TC09 successful JSON response, copy the "bid" number value
3. Go to the Body tab
4. Update the existing "bid" number with the copied number.
5. Click "Send"

Expected Result: JSON object with "message": "New Item Created", Status Code **201**

Actual Result:

Status (Complete/Incomplete): Incomplete

Result (Pass/Fail): Undetermined

Test id: TC11

Test Description: Delete user

Preconditions: The token string is copied from the successful response of TC02.

Test Steps:

1. Navigate to Basic Queries → Change/Delete Acc → delete user
2. Go to the Headers tab
3. Update the Authorization key value with the new token string
4. Click "Send"

Expected Result: JSON object with "message": "User has been Deleted!", Status Code **200**

Actual Result:

Status (Complete/Incomplete): Incomplete

Result (Pass/Fail): Undetermined

Test id: TC12

Test Description: Get items

Preconditions: The token string is copied from the successful response of TC02.

Test Steps:

1. Navigate to Basic Queries → Items → Get Items
2. Go to the Headers tab
3. Update the Authorization key value with the new token string
4. From the TC09 successful JSON response, copy the "bid" number value
5. Update the Get Items request URI, by changing the query parameter bag with a value of the copied "bid" number value
6. Click "Send"
7. Click "Save Response"
8. Name the response "Get Items – Supabase Result"

Expected Result: JSON object with "message": "User has no bags", Status Code **404**

Actual Result:

Status (Complete/Incomplete): Incomplete

Result (Pass/Fail): Undetermined

Test id: TC13

Test Description: Get bags

Preconditions: The token string is copied from the successful response of TC02.

Test Steps:

1. Navigate to Basic Queries → Bags → Get Bags
2. Go to the Headers tab
3. Update the Authorization key value with the new token string
4. Click "Send"
5. Click "Save Response"
6. Name the response "Get Bags – Supabase Result"

Expected Result: JSON object with "message": "You do not have any bags. Would you like to create a bag?", Status Code **404**

Actual Result:

Status (Complete/Incomplete): Incomplete

Result (Pass/Fail): Undetermined

Test id: TC14

Test Description: Login after user is deleted

Preconditions: The token string is copied from the successful response of TC02.

Test Steps:

7. Navigate to Basic Queries → Log In → Localhost Test Login
8. Click "Send"
9. Click "Save Response"
10. Name the response "Local Test Login (After Account Deletion) – Supabase Result"

Expected Result: JSON object with "message": "No account with this email exists!", Status Code **500**

Actual Result:

Status (Complete/Incomplete): Incomplete

Result (Pass/Fail): Undetermined

Test Summary Report:

Number of test cases executed: #

Number of test cases passed: #

Number of test cases failed: #

Test coverage: # %