Project Information – Postman tests

* Project Name: Control Risks Assessment - Postman
* Project Version: 1.0.0
* Test Case Document Version: 1.0.0
* Date: 12/06/2023
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### 1. Introduction

* Purpose: This document provides a comprehensive overview of the test scenarios, test cases, test data, and test execution details for the Control Risks Assessment - Postman.
* Scope: The test cases described in this document cover the functional and non-functional aspects of the Control Risks Assessment - Postman.
* Audience: The intended audience for this document includes testers, developers, and project stakeholders.

## 2. Test Scenarios

* Scenario 1: Retrieve all collections
  + Test Objective: Display that can connect, response containing all collections
  + Preconditions: Able to connect, Existing collections present
  + Steps: Select “Retrieve All Collections” and Send
  + Expected Results: PASS - Status code is 200  
     PASS - Response contains collections
* Scenario 2: Create new test collection
  + Test Objective: Display that can connect, response of Collection is created
  + Preconditions: Able to connect, can create collection and store ID
  + Steps: Select “Create new test collection” and Send
  + Expected Results: PASS - Status code is 200  
     PASS – Collection is created
* Scenario 3: Singular Collection
  + Test Objective: Display that can connect, response of contains collection name
  + Preconditions: Able to connect, Existing collection present using ID and or empty
  + Steps: Select “Singular Collection” and Send
  + Expected Results: PASS - Status code is 200  
     PASS - Response contains collection name  
     PASS - Response contains empty item array
* Scenario 4: Update Test Collection
  + Test Objective: Display that can connect, response containing existing collection and has been modified
  + Preconditions: Able to connect, Existing collection is present and is updateable
  + Steps: Select “Update Test collection” and Send
  + Expected Results: PASS - Status code is 200  
     PASS - Response contains updated collection name
* Scenario 5: Delete newly created test collection
  + Test Objective: Display that can connect, response containing a collection and removable
  + Preconditions: Able to connect, Existing collections present and removable
  + Steps: Select “Delete newly created test collection” and Send
  + Expected Results: PASS - Status code is 200

## 3. Test Cases

* Test Case 1: GET Retrieve all collections
  + Test ID: PTC-001
  + Test Objective: Display all collections
  + Test Steps: Select the GET Retrieve all collections postman request and click Send button
  + Expected Results: Status code is 200, Response contains collections
  + Actual Results: Status code is 200, Response contains collections
* Test Case 2: POST Create new test collection
  + Test ID: PTC-002
  + Test Objective: Creation of a new test collection
  + Test Steps: Select POST Create new test collection request and click Send button
  + Expected Results: Status is 200, Collection is created
  + Actual Results: Status is 200, Collection is created
* Test Case 3: GET Retrieve Singular collection
  + Test ID: PTC-003
  + Test Objective: Displays only the newly created collection using COLLECTION\_ID to locate it
  + Test Steps: Select GET Singular collection request and click Send button
  + Expected Results: Status code is 200, Response contains collection name, Response contains empty item array
  + Actual Results: Status code is 200, Response contains collection name, Response contains empty item array
* Test Case 4: PUT Update Test collection
  + Test ID: PTC-004
  + Test Objective: Updates the newly created collection using its COLLECTION\_ID
  + Test Steps: Select PUT Update Test collection request and click Send button
  + Expected Results: Status code is 200, Response contains updated collection name
  + Actual Results: Status code is 200, Response contains updated collection name
* Test Case 5: Delete newly created test collection
  + Test ID: PTC-005
  + Test Objective: Delete the newly created collection using its COLLECTION\_ID
  + Test Steps: Select DEL Delete newly created test collection and click Send button
  + Expected Results: Status code is 200
  + Actual Results: Status code is 200

## 4. Test Data

* Test Data 1: Retrieve all collections
  + Input: Json Data
  + Output: Status code is 200, Response contains collections
  + Preconditions: Its able to connect and there are existing collections
* Test Data 2: Create new test collection
  + Input: Json Data
  + Output: COLLECTION\_ID, Status code is 200, Collection is created
  + Preconditions: Its able to connect and create collection
* Test Data 3: Singular collection
  + Input: COLLECTION\_ID, Json Data
  + Output: Status code is 200, Response contains collection name, Response contains empty item array
  + Preconditions: Its able to connect, locate a collection and has an empty array
* Test Data 4: Update Test collection
  + Input: COLLECTION\_ID, Json Data
  + Output: Status code is 200, Response contains update collection name
  + Preconditions: Its able to connect, locate collection and is able to be modified
* Test Data 5: Delete newly created test collection
  + Input: COLLECTION\_ID, Json Data
  + Output: Status code is 200
  + Preconditions: Its able to connect, locate the newly created collection and is able to be modified

## 5. Test Execution

* Test Environment: Postman-win64
* Test Execution Steps: Select “WrenA\_Control Risks | Technical Assessment (PostmanAPI)” and then use the Run-to-run the entire Collection as well as tests
* Test Execution Status: 10/10 pass
* Defects: If no collections are present, the “Singular collection” will fail,   
   - If there are no newly created collections present, the “Delete newly created test collection” will fail

## 6. Test Results

* Summary of Test Results: All tests pass as long as they are run together, or in order on the postman list