

Unit Tests - CREATE

Test Cases

Test Case 1. Test Insert Operations

Objective:

To verify the successful creation of documents in the MongoDB database through the API for various collections (school, template, checklist, booking).

Method: `test_insertion`

Steps:

1. Insert a "school" document and verify if the response status is HTTP 201_CREATED.
2. Check if the document count in the school collection has increased by 1.
3. Repeat similar steps for "template", "checklist" (linked with template), and "booking" (linked with checklist and school) documents.
4. Verify the correctness of response data like `_id`.

Expected Results: Each insertion should result in an HTTP 201_CREATED status, and the count of documents in respective collections should increase by one.

Test Case 2. Test Insert Error Handling

Objective:

To ensure that the API properly handles errors during the insertion process due to incomplete or incorrect data.

Methods: `test_school_insert_error`, `test_template_insert_error`, `test_checklist_insert_error`, `test_booking_insert_error`

Steps for Each Method:

1. Attempt to insert an incomplete or incorrectly formatted document into the respective collection.
2. Verify that the response status is appropriate for the error (e.g., HTTP_400_BAD_REQUEST for incomplete data, HTTP_404_NOT_FOUND for invalid references).

Expected Results: The API should return an error status code corresponding to the nature of the error (400 for bad requests, 404 for not found).