

Unit Tests - PUT

Test Cases:

Test Case 1: Successful Update by ID

Objective: Validate that documents can be successfully updated in the database and return a HTTP 200 OK status.

Method: `update_by_id`

Test Steps:

1. Insert initial documents into the respective collection.
2. Construct a valid update request.
3. Call `update_by_id` with the valid ID and request data.
4. Assert the HTTP response status is 200 OK.
5. Verify the document's updated fields in the database.

Expected Result: The document should be updated successfully, and the response should be HTTP 200 OK.

Test Case 2: Update by ID with Bad Request

Objective: Ensure the system correctly handles an update attempt with invalid data by returning a HTTP 400 Bad Request status.

Method: `update_by_id_bad_request`

Test Steps:

1. Construct an update request with invalid data fields that violate schema or constraints.
2. Call `update_by_id_bad_request` with the valid ID but invalid request data.
3. Assert the HTTP response status is 400 Bad Request.

Expected Result: The system should not update the document and return HTTP 400 Bad Request.

Test Case 3: Update by ID Not Found

Objective: Verify that attempting to update a non-existent document ID results in a HTTP 404 Not Found status.

Method: `update_by_id_not_found`

Test Steps:

1. Construct a valid update request.
2. Call `update_by_id_not_found` with a non-existent document ID.
3. Assert the HTTP response status is 404 Not Found.

Expected Result: The system should return HTTP 404 Not Found, indicating the document does not exist.