**Assignment 5: Postman Testing**

**Test your API endpoints using Postman.**

**Ensure CRUD operations are working as expected.**

To test your API endpoints using Postman and ensure CRUD operations are working as expected, follow the steps below:

Step 1: Install Postman

If you haven't already installed Postman, you can download and install it from the official website: Postman Download.

Step 2: Test CRUD Operations

Open Postman:

Launch the Postman application.

Test GET All Todos:

Create a new request.

Set the request type to GET.

Enter the URL: http://localhost:3000/todos.

Click "Send."

Verify that you receive a list of todos.

Test GET a Specific Todo:

Create a new request.

Set the request type to GET.

Enter the URL, replacing :id with an actual todo ID: http://localhost:3000/todos/:id.

Click "Send."

Verify that you receive information about the specific todo.

Test POST a New Todo:

Create a new request.

Set the request type to POST.

Enter the URL: http://localhost:3000/todos.

In the "Body" tab, select raw and enter JSON data:

{

"title": "New Task",

"description": "Description for New Task",

"completed": false

}

Click "Send."

Verify that you receive information about the newly created todo.

Test PUT/Update a Todo:

Create a new request.

Set the request type to PUT.

Enter the URL, replacing :id with an actual todo ID: http://localhost:3000/todos/:id.

In the "Body" tab, select raw and enter JSON data for updating:

{

"title": "Updated Task",

"description": "Updated Description",

"completed": true

}

Click "Send."

Verify that you receive information about the updated todo.

Test DELETE a Todo:

Create a new request.

Set the request type to DELETE.

Enter the URL, replacing :id with an actual todo ID: http://localhost:3000/todos/:id.

Click "Send."

Verify that you receive a success message indicating the deletion.

Step 3: Verify Data in MongoDB

Optionally, you can use a MongoDB GUI tool (such as MongoDB Compass) or the MongoDB shell to verify that the data in your MongoDB collection reflects the changes made during testing.

Congratulations! You have successfully tested your API endpoints using Postman and ensured that CRUD operations are working as expected. Postman is a powerful tool for testing APIs, and it allows you to interact with your endpoints and validate their functionality.