

PW 7: Test the application

Here, we want to test the Spring Boot application using Postman, you will typically be interacting with the ReST API endpoints you have exposed :

1. Ensure Your Spring Boot Application is Running

First, make sure the Spring Boot application is up and running. When you start the application, Spring Boot should listen on a specific port (default is 8080).

If your application is running, it should be accessible at this URL (or another port if you configured a custom one).

2. Open Postman

Launch Postman on your computer. Add the postman's extension in Vscode

3. Set Up Requests in Postman

In Postman, you will be sending HTTP requests (GET, POST, PUT, DELETE, etc.) to your API endpoints to interact with your database. For eg:

- **GET Request (for retrieving data)**

- Select `GET` from the dropdown menu next to the URL input field.
- Enter the API endpoint to fetch data from your database, eg.:

```
http://localhost:8080/api/students
```

- Click **Send** to test the endpoint.
- You should receive a response containing the data from your database (if the endpoint is set up correctly).

- **POST Request (for creating data)**

- Select `POST` from the dropdown menu.

- Enter the URL for the creation endpoint, e.g.:

`http://localhost:8080/api/students`

- Go to the **Body** tab in Postman and select `raw` (and choose **JSON** from the dropdown).
 - Enter the JSON data that you want to send to create a new record in your database.
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- **PUT Request (for updating data)**
 - **DELETE Request (for deleting data)**