

Homework 02:

Using the documentation from <https://fakerestapi.azurewebsites.net/index.html>, create a Postman collection that tests all endpoints for 'books'.

To create a Postman collection that tests all endpoints for 'books' using the Fake REST API available at <https://fakerestapi.azurewebsites.net/index.html>, follow these detailed steps. This guide includes specific URLs and examples of request bodies based on the API documentation:

1. **Open Postman:** Launch Postman on your computer.
2. **Create a New Collection:**
 - Click on “New” or the “Create New” button in the workspace.
 - Select “Collection” from the menu to create a new collection.
 - Name the collection, e.g., "Fake REST API - Books".
3. **Add Requests to Your Collection:** Each endpoint under the 'Books' category from the documentation will be added as follows:
 - **GET (List all books):**
 - Method: GET
 - URL: **`https://fakerestapi.azurewebsites.net/api/v1/Books`**
 - Description: Retrieves a list of all books.
 - **GET (Single book):**
 - Method: GET
 - URL: **`https://fakerestapi.azurewebsites.net/api/v1/Books/{id}`**
 - Description: Retrieves details of a single book by ID.
 - Path Variable: Replace **`{id}`** with an actual ID or parameterize it for dynamic testing.
 - **POST (Create a book):**
 - Method: POST
 - URL: **`https://fakerestapi.azurewebsites.net/api/v1/Books`**
 - Description: Creates a new book.
 - Body (raw JSON):

```
{ "title": "New Book", "description": "Description of the new book", "pageCount": 123, "excerpt":  
"Excerpt from the new book", "publishDate": "2024-04-20T00:00:00Z" }
```

- **PUT (Update a book):**

- Method: PUT
- URL: **<https://fakereapi.azurewebsites.net/api/v1/Books/{id}>**
- Description: Updates an existing book.
- Path Variable: Replace **{id}** with an actual ID.
- Body (raw JSON):

```
{ "id": 1, "title": "Updated Title", "description": "Updated description", "pageCount": 150, "excerpt":  
"Updated excerpt", "publishDate": "2024-04-21T00:00:00Z" }
```

- **DELETE (Delete a book):**

- Method: DELETE
- URL: **<https://fakereapi.azurewebsites.net/api/v1/Books/{id}>**
- Description: Deletes a book by ID.
- Path Variable: Replace **{id}** with an actual ID.

4. **Set Up Tests :**

- Add tests to each request to verify responses, such as checking if the status code is 200 or if certain keys are present in the JSON response.

5. **Save and Run Your Requests:**

- After configuring each request, save it.
- Test each request individually by hitting the “Send” button.
- Optionally, use Postman’s Collection Runner to run all requests sequentially.

6. **Documenting Your Collection :**

- It’s a good practice to add descriptions to each request explaining its purpose and usage for future reference or other users.