CHARTER

Identify capabilities and areas of potential instability of the "rest api todo list manager".

Identify documented and undocumented "rest api todo list manager" capabilities.

For each capability, create a script or small program to demonstrate the capability.

Exercise each capability identified with data typical to the intended use of the application.

BUILD

runTodoManagerRestAPI-1.5.5.jar

AREA

Exploratory testing for API endpoints

ENVIROMENT

macOS Monterey

START

11:24 PM 2/4/26

TESTER

Rachel Zeng 261139258 yuqi.zeng@mail.mcgill.ca

TIME

45min

SESSION NOTES

Without specific values:

11:24 PM (GET /categories) Return all the instances of category.

11:24 PM (HEAD /categories) Return 200 OK

11:24 PM (POST /categories) Return 400 Bad Request

11:24 PM (GET /categories) Return 405 Method Not Allowed

11:24 PM (DELETE /categories) Return 405 Method Not Allowed

11:24 PM (OPTIONS /categories) Return 200 OK

11:24 PM (PATCH /categories) Return 405 Method Not Allowed

11:24 PM (GET /categories/:id) Return 404 Not Found

11:24 PM (PUT /categories/:id) Return 404 Not Found

11:24 PM (POST /categories/:id) Return 404 Not Found

11:24 PM (DELETE /categories/:id) Return 404 Not Found

11:24 PM (OPTIONS /categories/:id) Return 200 OK

11:24 PM (HEAD /categories/:id) Return 404 Not Found

11:24 PM (PATCH /categories/:id) Return 405 Method Not Allowed

11:24 PM (GET /categories/:id/projects) Return 200 OK **#BUG 1**

11:24 PM (PUT /categories/:id/projects) Return 405 Method Not Allowed

11:24 PM (POST /categories/:id/projects) id_value=1, return 201 Created

11:24 PM (DELETE /categories/:id/projects) Return 405 Method Not Allowed

11:24 PM (OPTIONS /categories/:id/projects) Return 200 OK

11:24 PM (HAED /categories/:id/projects) Return 200 OK **#BUG 2**

11:24 PM (PATCH /categories/:id/projects) Return 405 Method Not Allowed

11:24 PM (GET /categories/:id/projects/:id) Return 404 Not Found, but expect 405 Method Not Allowed

11:24 PM (PUT /categories/:id/projects/:id) Return 405 Method Not Allowed

11:24 PM (POST /categories/:id/projects/:id) Return 404 Not Found, but expect 405 Method Not Allowed

11:24 PM (DELETE /categories/:id/projects/:id) Return 404 Not Found when id have no value or 1

11:24 PM (OPTIONS /categories/:id/projects/:id) Return 200 OK

11:24 PM (HEAD /categories/:id/projects/:id) Return 404 Not Found, but expect 405 Method Not Allowed

11:24 PM (PATCH /categories/:id/projects/:id) Return 405 Method Not Allowed

11:24 PM (GET /categories/:id/todos) Return 200 OK **#BUG 3**

11:24 PM (PUT /categories/:id/todos) Return 405 Method Not Allowed

11:24 PM (POST /categories/:id/todos) Return 400 Bad Request when only input id value

11:24 PM (DELETE /categories/:id/todos) Return 405 Method Not Allowed

11:24 PM (OPTIONS /categories/:id/todos) Return 200 OK

11:24 PM (HEAD /categories/:id/todos) Return 200 OK **#BUG 4**

11:24 PM (PATCH /categories/:id/todos) Return 405 Method Not Allowed

11:24 PM (GET /categories/:id/todos/:id) Return 404 Not Found, but expect 405 Method Not Allowed

11:24 PM (PUT /categories/:id/todos/:id) Return 405 Method Not Allowed

11:24 PM (POST /categories/:id/todos/:id) Return 404 Not Found, but expect 405 Method Not Allowed

11:24 PM (DELETE /categories/:id/todos/:id) Return 404 Not Found

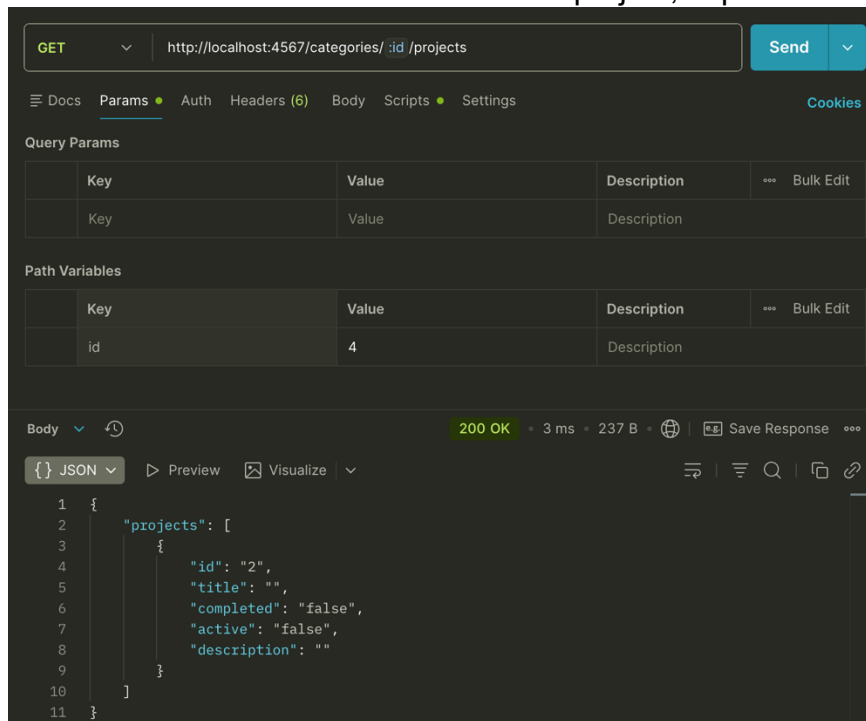11:24 PM (OPTIONS /categories/:id/todos/:id) Return 200 OK

11:24 PM (HEAD /categories/:id/todos/:id) Return 404 Not Found, but expect 405 Method Not Allowed

11:24 PM (PATCH /categories/:id/todos/:id) Return 405 Method Not Allowed
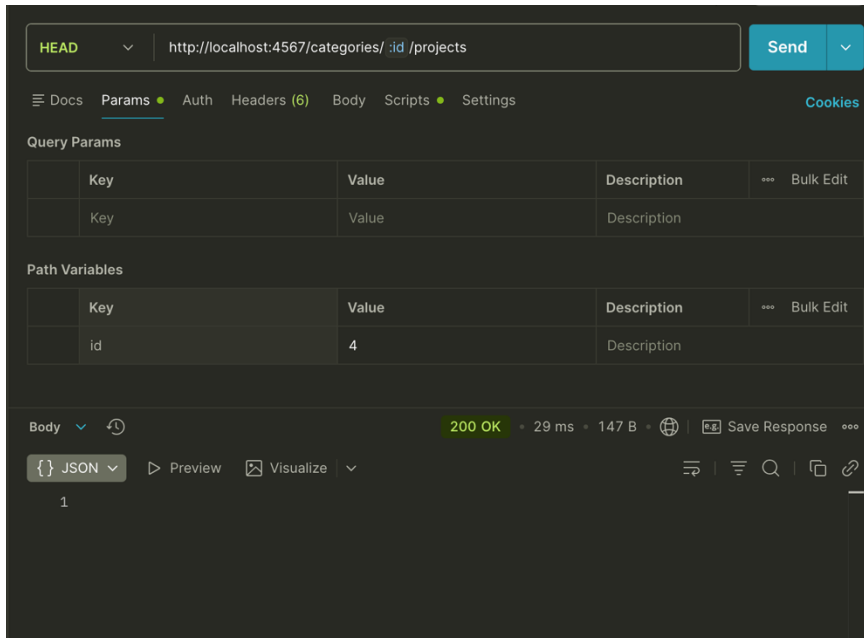

BUGS

1. GET /categories/:id/projects
   When insert value that does not exist in project, expect error but get 200 OK.
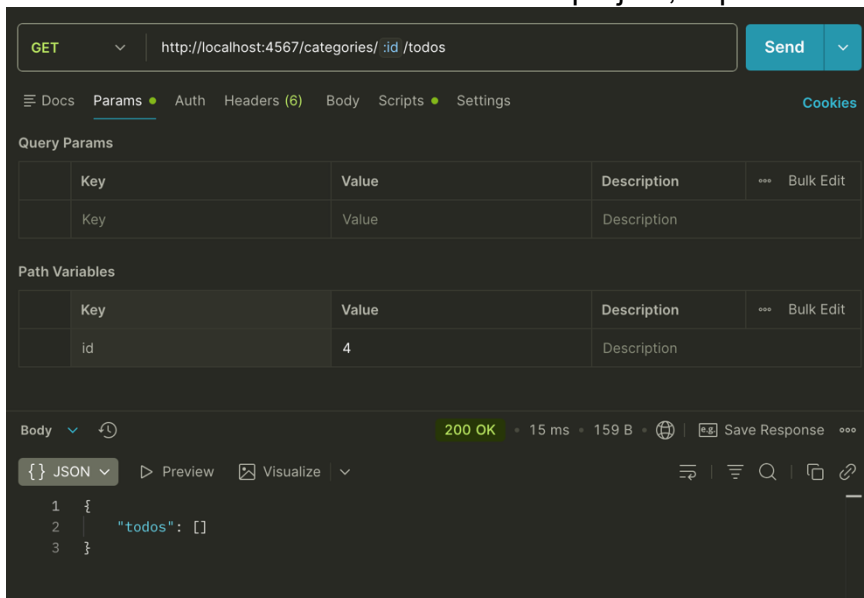

2. HAED /categories/:id/projects
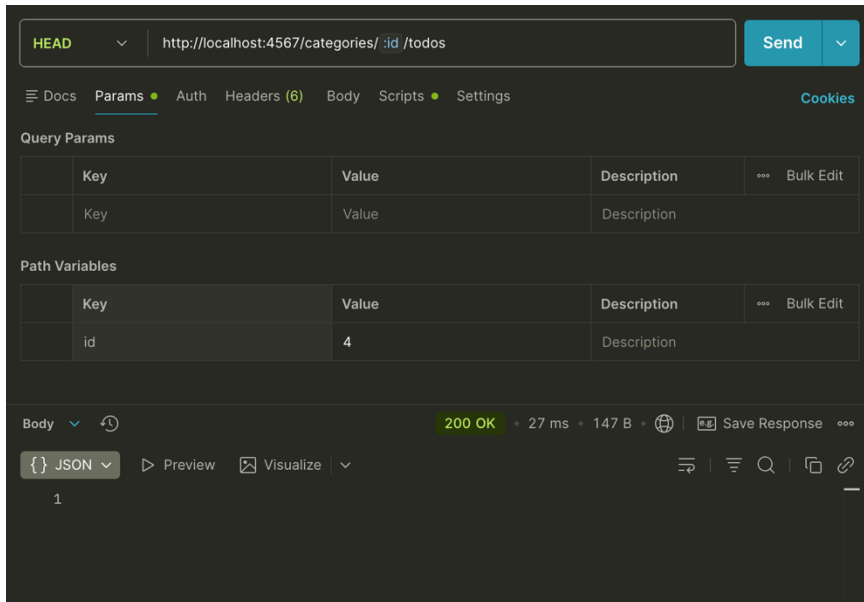   When insert value that does not exist in project, expect error but get 200 OK.

3. GET /categories/:id/todos
   When insert value that does not exist in project, expect error but get 200 OK.

4. HEAD /categories/:id/todos
   When insert value that does not exist in project, expect error but get 200 OK.

CONCERNS

1. For BUG1&3, users are access to non-exist data, should be warned by error message.
2. For BUG2&4, the return type is mismatch with actual situation.