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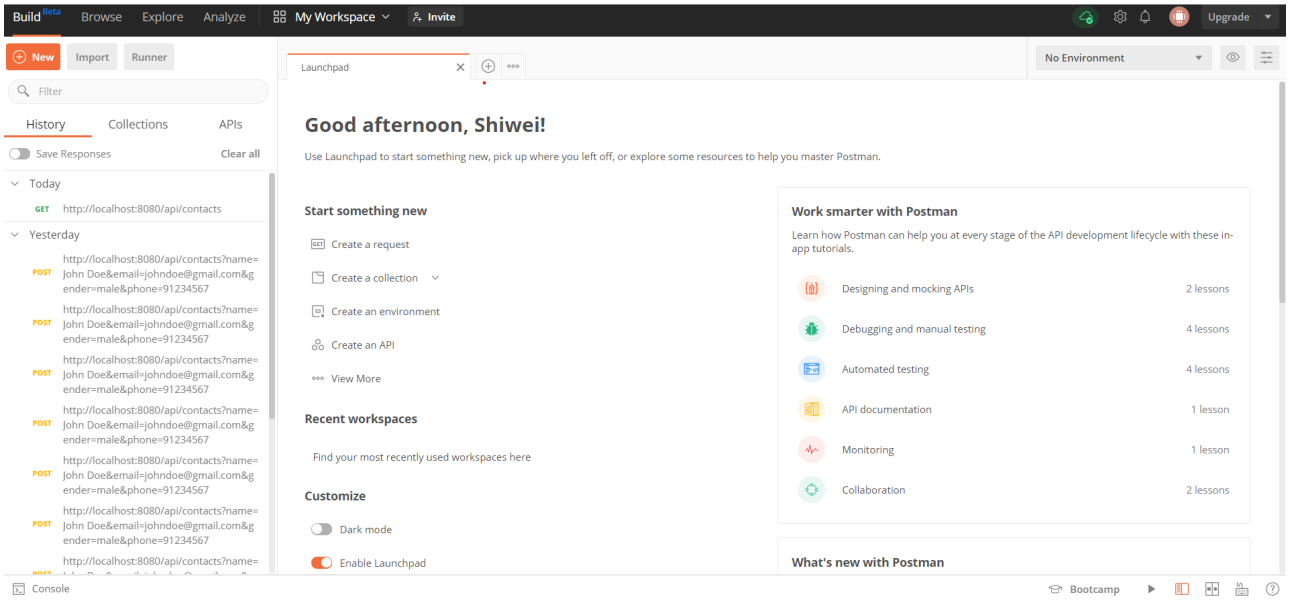
Instructions

Run API locally (B1)

1. Go to https://github.com/shiweing/rest-api
2. Clone the repository locally
3. Open the command prompt in the repository folder
4. Enter the command `node index.js`
5. Open a browser and go to http://localhost:8080
6. The page should state `Welcome to the world of Pokemons!`

Accessing API with Postman (B1)

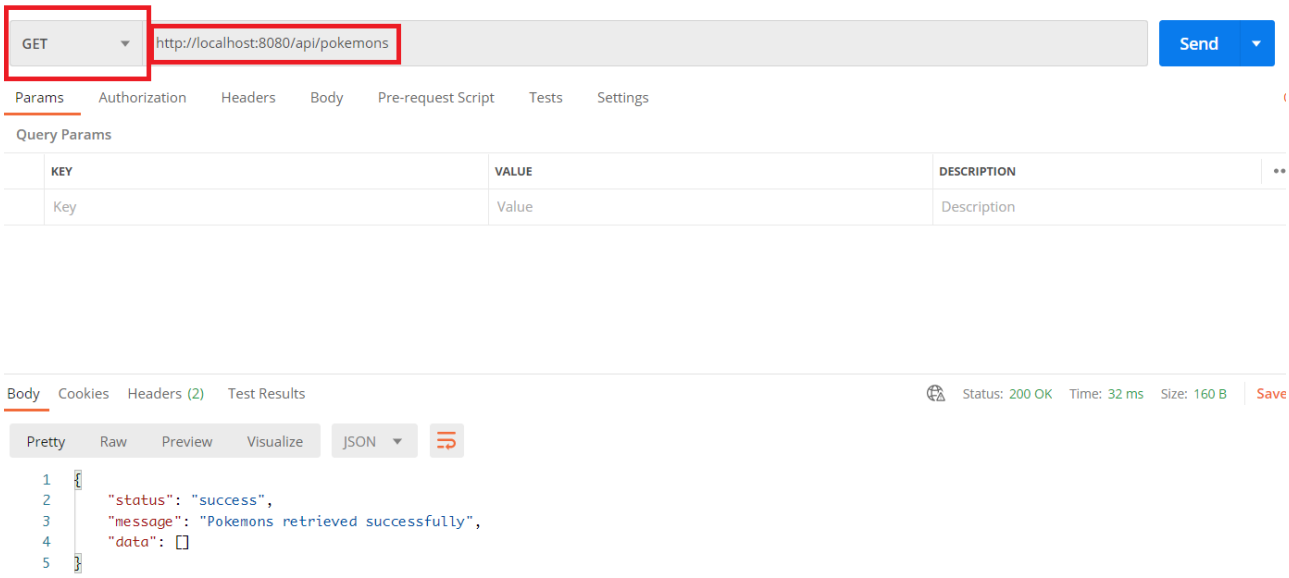
1. Go to https://www.postman.com/
2. Sign up for an account and launch the workspace



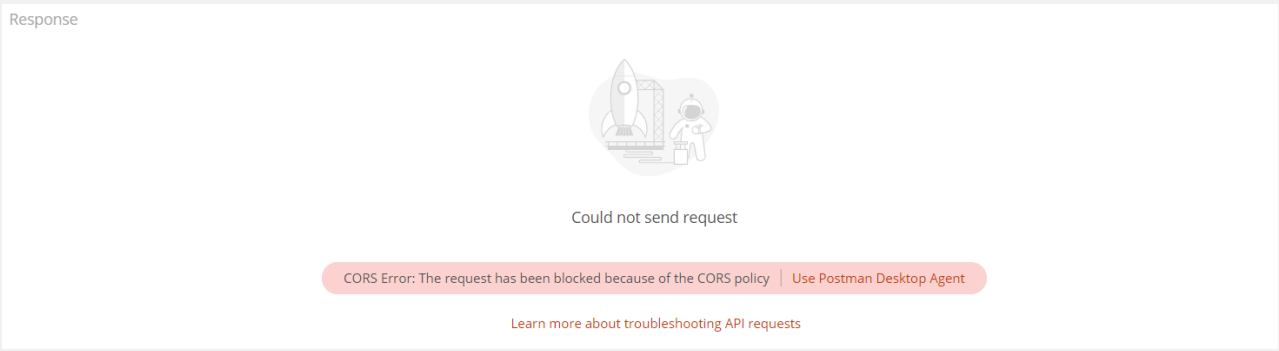
GET API call

1. Select **GET** as the request type and enter `http://localhost:8080/api/pokemons` as url

2. Click **Send**



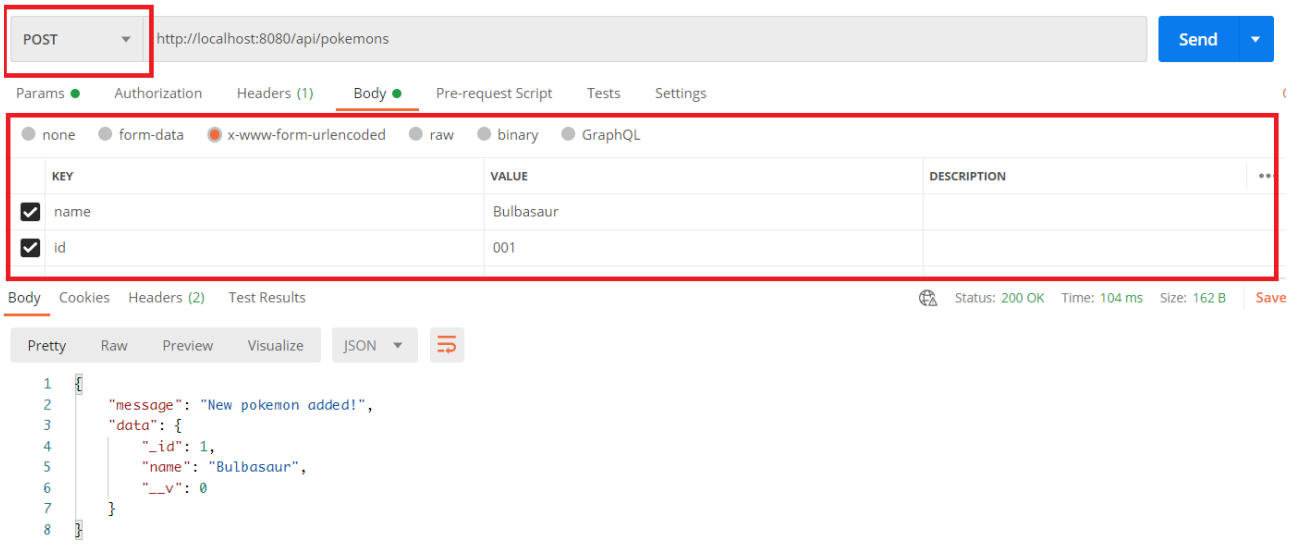
3. The request result will be shown

> If an error appears like the following image
>
> 
>
>
> download the chrome plugin to unblock CORS when testing at https://chrome.google.com/webstore/detail/cors-unblock/lfhmikememgdcahcdlaciloancbhjino?hl=en

POST API call

1. Select **POST** as the request type and enter `http://localhost:8080/api/pokemons` as url
2. Open the body tab and select **x-www-form-urlencoded**
3. Add the parameters as shown below
4. Click **Send**

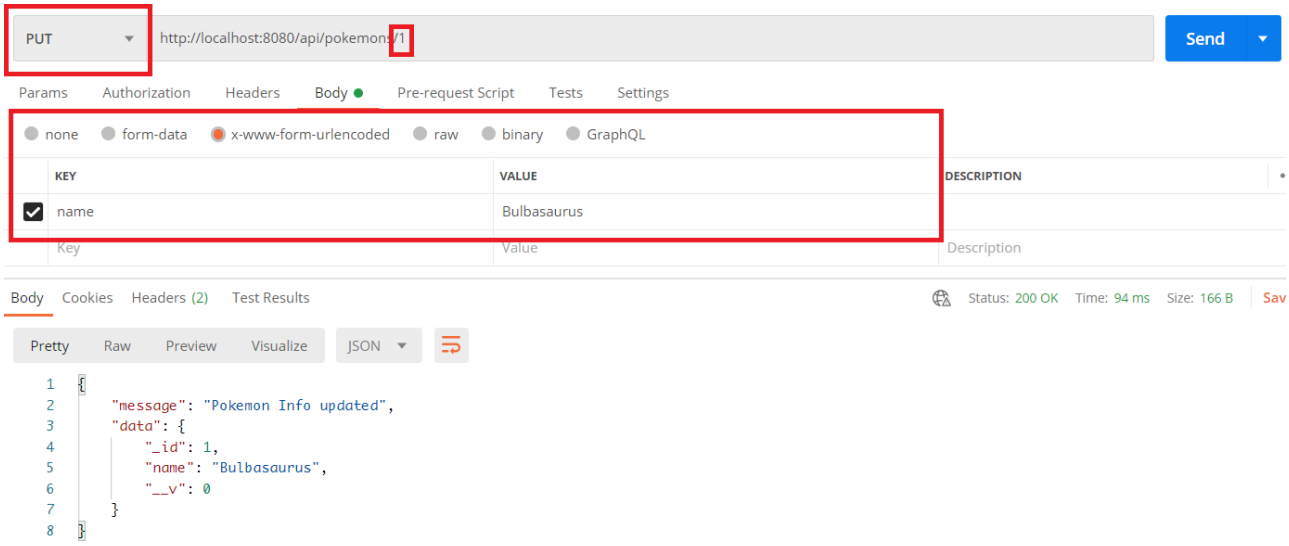
5. A response indicating that the pokemon has been added will be returned.



6. Run the GET request to see the new contact being returned

PUT API call

1. Run the GET request and copy the id of the pokemon that was just added.
2. Select **PUT** as the request type and enter `http://localhost:8080/api/pokemons/[id]` as url (where `[id]` is the id that was copied)
3. Change the value of the name parameter under body
4. Click **Send**
5. A response indicating that the contact has been updated will be returned.

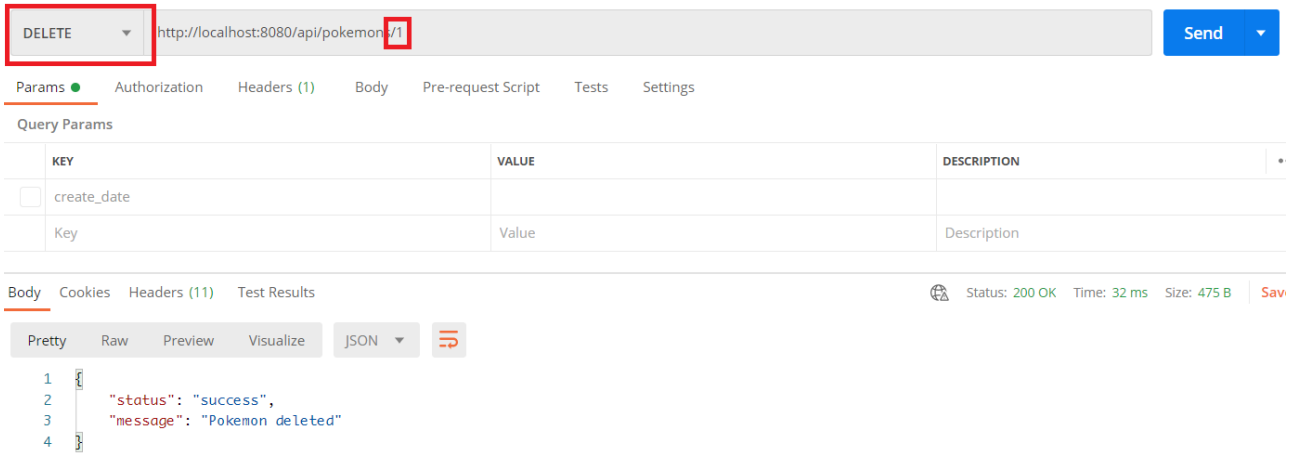


6. Run the GET request to see the contact has been updated

DELETE API call

1. Run the GET request and copy the id of the pokemon that was just added.
2. Select **DELETE** as the request type and enter `http://localhost:8080/api/pokemons/[id]` as url (where `[id]` is the id that was copied)
3. Click **Send**

4. A response indicating that the pokemon has been deleted will be returned.



5. Run the GET request to see the contact has been deleted

Testing (B2)

- Test cases are written with mocha and chai-http.

Testing locally

- Run `npm run test` on a local copy of the application to run the tests locally.

Automated testing

- Travis is used as the CI tool to automate testing
- The command `mocha --exit` is added to `.travis.yml` to initialise the testing
- Below is the results of the travis build

```
Running RestHub on port 8080
  /api/pokemons
    ✓ GET (45ms)
    ✓ POST

  /api/pokemons/:id
    ✓ GET
    ✓ PUT
(node:5316) DeprecationWarning: collection.remove is deprecated. Use deleteOne, deleteMany, or bulkWrite instead.
{ status: 'success', message: 'Pokemon deleted' }
    ✓ DELETE


  5 passing (171ms)

The command "mocha --exit" exited with 0.
```