

# **Benemérita Universidad Autónoma de Puebla**

Modelos de Desarrollo Web

NRC: 12051

Tarea 4: Routers

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# Thunder Client



Thunder Client interface showing a REST client setup for a local API.

**Request:** GET http://127.0.0.1:8000/HP

**Response:** Status: 202 Accepted, Size: 2.1 KB, Time: 6 ms

**Response Body (JSON):**

```
185 },
186 {
187   "id": 24,
188   "CPU": "AMD",
189   "RAM": "16GB",
190   "Almacenamiento": "512GB",
191   "Marca": "HP",
192   "SO": "Linux"
193 },
194 {
195   "id": 25,
196   "CPU": "AMD",
197   "RAM": "16GB",
198   "Almacenamiento": "1TB",
199   "Marca": "HP",
200   "SO": "Linux"
201 }
202 ]
```

**Terminal Output:**

```
INFO: Application startup complete.
INFO: 127.0.0.1:51688 - "GET /docs HTTP/1.1" 200 OK
INFO: 127.0.0.1:51688 - "GET /openapi.json HTTP/1.1" 200 OK
INFO: 127.0.0.1:51764 - "GET /docs HTTP/1.1" 200 OK
INFO: 127.0.0.1:51764 - "GET /openapi.json HTTP/1.1" 200 OK
INFO: 127.0.0.1:51802 - "GET /redoc HTTP/1.1" 200 OK
INFO: 127.0.0.1:51802 - "GET /openapi.json HTTP/1.1" 200 OK
INFO: 127.0.0.1:51822 - "GET /HP HTTP/1.1" 307 Temporary Redirect
INFO: 127.0.0.1:51823 - "GET /HP/ HTTP/1.1" 202 Accepted
```

THUNDER CLIENT

New Request

Activity

filter activity

1 hour ago

POST 127.0.0.1:8000/HP just now

GET 127.0.0.1:8000/user... 4 days ago

POST 127.0.0.1:8000/us... 4 days ago

PUT 127.0.0.1:8000/use... 4 days ago

DEL 127.0.0.1:8000/pas... 4 days ago

DEL 127.0.0.1:8000/pas... 11 days ago

GET 127.0.0.1:8000/pas... 16 days ago

GET 127.0.0.1:8000/pas... 18 days ago

GET 127.0.0.1:8000 18 days ago

GET 127.0.0.1:8000 18 days ago

GET 127.0.0.1:8000/lapt... 23 days ago

main.py U

TC 127.0.0.1:8000/HP X

POST http://127.0.0.1:8000/Asus Send

Query

Headers 2

Auth

Body 1

Tests

Pre Run

JSON

XML

Text

Form

Form-encode

GraphQL

Binary

JSON Content

1 {

2   "id": 26,

3   "CPU": "Intel",

4   "RAM": "32GB",

5   "Almacenamiento": "512GB",

6   "Marca": "Asus",

7   "SO": "Linux"

8 }

Format

Status: 201 Created

Size: 89 Bytes

Time: 4 ms

Response

Headers 5

Cookies

Results

Docs

1 {

2   "id": 26,

3   "CPU": "Intel",

4   "RAM": "32GB",

5   "Almacenamiento": "512GB",

6   "Marca": "Asus",

7   "SO": "Linux"

8 }

PROBLEMAS

SALIDA

CONSOLA DE DEPURACIÓN

TERMINAL

PUERTOS

INFO: 127.0.0.1:51764 - "GET /openapi.json HTTP/1.1" 200 OK

INFO: 127.0.0.1:51802 - "GET /redoc HTTP/1.1" 200 OK

INFO: 127.0.0.1:51802 - "GET /openapi.json HTTP/1.1" 200 OK

INFO: 127.0.0.1:51822 - "GET /HP HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51823 - "GET /HP/ HTTP/1.1" 202 Accepted

INFO: 127.0.0.1:51828 - "GET /Asus HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51829 - "GET /Asus/ HTTP/1.1" 202 Accepted

INFO: 127.0.0.1:51847 - "POST /Asus HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51848 - "POST /Asus/ HTTP/1.1" 201 Created

master\*

Quokka

Archivo

Editar

Selección

Ver

Ir

Ejecutar

Terminal

...

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Analítica-de-Datos

THUNDER CLIENT

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main.py U

TC 127.0.0.1:8000/HP X

New Request

Activity

Collections

Env

filter activity

≡

1 hour ago

PUT 127.0.0.1:8000/HP

just now

GET 127.0.0.1:8000/user...

4 days ago

POST 127.0.0.1:8000/us...

4 days ago

PUT 127.0.0.1:8000/use...

4 days ago

DEL 127.0.0.1:8000/pas...

4 days ago

DEL 127.0.0.1:8000/pas...

11 days ago

GET 127.0.0.1:8000/pas...

16 days ago

GET 127.0.0.1:8000/pas...

18 days ago

GET 127.0.0.1:8000

18 days ago

GET 127.0.0.1:8000

18 days ago

GET 127.0.0.1:8000/lapt...

23 days ago

PUT

▼

http://127.0.0.1:8000/MSI

Send

Query

Headers 2

Auth

Body 1

Tests

Pre Run

JSON

XML

Text

Form

Form-encode

GraphQL

Binary

JSON Content

Format

1 {

2    "id": 22,

3    "CPU": "Intel",

4    "RAM": "32GB",

5    "Almacenamiento": "512GB",

6    "Marca": "Asus",

7    "SO": "Linux"

8    }

Status: 202 Accepted

Size: 89 Bytes

Time: 5 ms

Response

Headers 5

Cookies

Results

Docs

1 {

2    "id": 22,

3    "CPU": "Intel",

4    "RAM": "32GB",

5    "Almacenamiento": "512GB",

6    "Marca": "Asus",

7    "SO": "Linux"

8    }

PROBLEMAS

SALIDA

CONSOLA DE DEPURACIÓN

TERMINAL

PUERTOS

INFO: 127.0.0.1:51823 - "GET /HP/ HTTP/1.1" 202 Accepted

INFO: 127.0.0.1:51828 - "GET /Asus HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51829 - "GET /Asus/ HTTP/1.1" 202 Accepted

INFO: 127.0.0.1:51847 - "POST /Asus HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51848 - "POST /Asus/ HTTP/1.1" 201 Created

INFO: 127.0.0.1:51852 - "POST /MSI HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51853 - "POST /MSI/ HTTP/1.1" 201 Created

INFO: 127.0.0.1:51855 - "PUT /MSI HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51856 - "PUT /MSI/ HTTP/1.1" 202 Accepted

uvicorn

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master\*

0 0 0

Quokka

THUNDER CLIENT

New Request

Activity

filter activity

1 hour ago

GET 127.0.0.1:8000/HP just now

GET 127.0.0.1:8000/user... 4 days ago

POST 127.0.0.1:8000/us... 4 days ago

PUT 127.0.0.1:8000/use... 4 days ago

DEL 127.0.0.1:8000/pas... 4 days ago

DEL 127.0.0.1:8000/pas... 11 days ago

GET 127.0.0.1:8000/pas... 16 days ago

GET 127.0.0.1:8000/pas... 18 days ago

GET 127.0.0.1:8000 18 days ago

GET 127.0.0.1:8000 18 days ago

GET 127.0.0.1:8000/lapt... 23 days ago

main.py U

TC 127.0.0.1:8000/HP X

GET http://127.0.0.1:8000/MSI Send

Query Headers 2 Auth Body 1 Tests Pre Run

JSON XML Text Form Form-encode GraphQL Binary

JSON Content

Format

1 {

2 "id": 22,

3 "CPU": "Intel",

4 "RAM": "32GB",

5 "Almacenamiento": "512GB",

6 "Marca": "Asus",

7 "SO": "Linux"

8 }

Response Headers 5 Cookies Results Docs

155 "id": 20,

156 "CPU": "Intel",

157 "RAM": "32GB",

158 "Almacenamiento": "512GB",

159 "Marca": "MSI",

160 "SO": "Linux"

161 },

162 {

163 "id": 21,

164 "CPU": "AMD",

165 "RAM": "32GB",

166 "Almacenamiento": "256GB",

167 "Marca": "MSI",

168 "SO": "Linux"

169 },

170 {

171 "id": 22,

172 "CPU": "Intel",

173 "RAM": "32GB",

174 "Almacenamiento": "512GB",

175 "Marca": "Asus",

176 "SO": "Linux"

PROBLEMAS

SALIDA

CONSOLA DE DEPURACIÓN

TERMINAL

PUERTOS

INFO: 127.0.0.1:51829 - "GET /Asus/ HTTP/1.1" 202 Accepted

INFO: 127.0.0.1:51847 - "POST /Asus HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51848 - "POST /Asus/ HTTP/1.1" 201 Created

INFO: 127.0.0.1:51852 - "POST /MSI HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51853 - "POST /MSI/ HTTP/1.1" 201 Created

INFO: 127.0.0.1:51855 - "PUT /MSI HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51856 - "PUT /MSI/ HTTP/1.1" 202 Accepted

INFO: 127.0.0.1:51858 - "GET /MSI HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51859 - "GET /MSI/ HTTP/1.1" 202 Accepted

Analitica-de-Datos

uvicorn

THUNDER CLIENT

New Request

Activity

filter activity

1 hour ago

DEL 127.0.0.1:8000/HP just now

GET 127.0.0.1:8000/user... 4 days ago

POST 127.0.0.1:8000/us... 4 days ago

PUT 127.0.0.1:8000/use... 4 days ago

DEL 127.0.0.1:8000/pas... 4 days ago

DEL 127.0.0.1:8000/pas... 11 days ago

GET 127.0.0.1:8000/pas... 16 days ago

GET 127.0.0.1:8000/pas... 18 days ago

GET 127.0.0.1:8000 18 days ago

GET 127.0.0.1:8000 18 days ago

GET 127.0.0.1:8000/lapt... 23 days ago

main.py U

TC 127.0.0.1:8000/HP X

DELETE http://127.0.0.1:8000/Apple/1 Send

Query Headers 2 Auth Body Tests Pre Run

JSON XML Text Form Form-encode GraphQL Binary

JSON Content

1

Status: 202 Accepted Size: 41 Bytes Time: 5 ms

Response Headers 5 Cookies Results Docs

1 "La laptop se ha eliminado correctamente"

PROBLEMAS SALIDA CONSOLA DE DEPURACIÓN TERMINAL PUERTOS

INFO: 127.0.0.1:51847 - "POST /Asus HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51848 - "POST /Asus/ HTTP/1.1" 201 Created

INFO: 127.0.0.1:51852 - "POST /MSI HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51853 - "POST /MSI/ HTTP/1.1" 201 Created

INFO: 127.0.0.1:51855 - "PUT /MSI HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51856 - "PUT /MSI/ HTTP/1.1" 202 Accepted

INFO: 127.0.0.1:51858 - "GET /MSI HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51859 - "GET /MSI/ HTTP/1.1" 202 Accepted

INFO: 127.0.0.1:51863 - "DELETE /Apple/1 HTTP/1.1" 202 Accepted

Analitica-de-Datos

uvicorn

THUNDER CLIENT

New Request

Activity Collections Env

filter activity

1 hour ago

GET 127.0.0.1:8000/HP just now

GET 127.0.0.1:8000/user... 4 days ago

POST 127.0.0.1:8000/us... 4 days ago

PUT 127.0.0.1:8000/use... 4 days ago

DEL 127.0.0.1:8000/pas... 4 days ago

DEL 127.0.0.1:8000/pas... 11 days ago

GET 127.0.0.1:8000/pas... 16 days ago

GET 127.0.0.1:8000/pas... 18 days ago

GET 127.0.0.1:8000 18 days ago

GET 127.0.0.1:8000 18 days ago

GET 127.0.0.1:8000/lapt... 23 days ago

main.py U

TC 127.0.0.1:8000/HP X

GET http://127.0.0.1:8000/Apple Send

Query Headers 2 Auth Body Tests Pre Run

JSON XML Text Form Form-encode GraphQL Binary

JSON Content

1

Format

Response Headers 5 Cookies Results Docs

1 [

2 {

3 "id": 2,

4 "CPU": "Apple\_M1",

5 "RAM": "32GB",

6 "Almacenamiento": "256GB",

7 "Marca": "Apple",

8 "SO": "MacOS"

9 },

10 {

11 "id": 3,

12 "CPU": "Apple\_M1",

13 "RAM": "16GB",

14 "Almacenamiento": "256GB",

15 "Marca": "Apple",

16 "SO": "MacOS"

17 },

18 {

19 "id": 4,

20 "CPU": "Apple\_M1",

21 "RAM": "16GB",

22 "Almacenamiento": "512GB",

PROBLEMAS

SALIDA

CONSOLA DE DEPURACIÓN

TERMINAL

PUERTOS

INFO: 127.0.0.1:51852 - "POST /MSI HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51853 - "POST /MSI/ HTTP/1.1" 201 Created

INFO: 127.0.0.1:51855 - "PUT /MSI HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51856 - "PUT /MSI/ HTTP/1.1" 202 Accepted

INFO: 127.0.0.1:51858 - "GET /MSI HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51859 - "GET /MSI/ HTTP/1.1" 202 Accepted

INFO: 127.0.0.1:51863 - "DELETE /Apple/1 HTTP/1.1" 202 Accepted

INFO: 127.0.0.1:51866 - "GET /Apple HTTP/1.1" 307 Temporary Redirect

INFO: 127.0.0.1:51867 - "GET /Apple/ HTTP/1.1" 202 Accepted

uvicorn

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Analitica-de-Datos

Quokka



# Swagger

FastAPI 0.1.0 OAS 3.1  
[/openapi.json](#)

default ^		
GET	/HP/ Laptopsclass	▼
PUT	/HP/ Laptopsclass	▼
POST	/HP/ Laptopsclass	▼
DELETE	/HP/{id} Laptopsclass	▼
GET	/Acer/ Laptopsclass	▼
PUT	/Acer/ Laptopsclass	▼
POST	/Acer/ Laptopsclass	▼
DELETE	/Acer/{id} Laptopsclass	▼
GET	/Asus/ Laptopsclass	▼
PUT	/Asus/ Laptopsclass	▼
POST	/Asus/ Laptopsclass	▼
DELETE	/Asus/{id} Laptopsclass	▼

GET	/MSI/ Laptopsclass	▼
PUT	/MSI/ Laptopsclass	▼
POST	/MSI/ Laptopsclass	▼
DELETE	/MSI/{id} Laptopsclass	▼
GET	/Lenovo/ Laptopsclass	▼
PUT	/Lenovo/ Laptopsclass	▼
POST	/Lenovo/ Laptopsclass	▼
DELETE	/Lenovo/{id} Laptopsclass	▼
GET	/Dell/ Laptopsclass	▼
PUT	/Dell/ Laptopsclass	▼
POST	/Dell/ Laptopsclass	▼
DELETE	/Dell/{id} Laptopsclass	▼
GET	/Razer/ Laptopsclass	▼
PUT	/Razer/ Laptopsclass	▼
POST	/Razer/ Laptopsclass	▼
DELETE	/Razer/{id} Laptopsclass	▼

GET	/Samsung/ Laptopsclass	▼
PUT	/Samsung/ Laptopsclass	▼
POST	/Samsung/ Laptopsclass	▼
DELETE	/Samsung/{id} Laptopsclass	▼
GET	/Apple/ Laptopsclass	▼
PUT	/Apple/ Laptopsclass	▼
POST	/Apple/ Laptopsclass	▼
DELETE	/Apple/{id} Laptopsclass	▼
GET	/ Imprimir	▼
GET	/Git Imprimir	▼

Schemas ^	
HTTPValidationError >	Expand all object
Laptop >	Expand all object
ValidationError >	Expand all object





# Redocly



FastAPI - ReDoc

127.0.0.1:8000/redoc

Search...

GET Laptopsclass

PUT Laptopsclass

POST Laptopsclass

DEL Laptopsclass

GET Laptopsclass

PUT Laptopsclass

POST Laptopsclass

DEL Laptopsclass

GET Laptopsclass

PUT Laptopsclass

POST Laptopsclass

DEL Laptopsclass

GET Laptopsclass

FastAPI (0.1.0)

Download OpenAPI specification: [Download](#)

Laptopsclass

Responses

> 202 Se devolvio la lista de laptops correctamente

Laptopsclass

REQUEST BODY SCHEMA: application/json

GET /HP/

Response samples

202

Content type application/json

null

Copy

PUT /HP/

Request samples

API docs by Redocly

