Cloud Web Computing

MIRI'S FARM

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Documentation

Index - It is just a little greeting (http://localhost:8080/index).

No Content - Empty declaration (http://localhost:8080/no-content).

Add Animal - Post method, populates the array on Postman with success (http://localhost:8080/add-animal).

Remove All - Removes the whole Arraylist (http://localhost:8080/remove-all).

All Animals - Returns the list of all animals in JSON (http://localhost:8080/all-animals).

Average Price - Returns the average value of all the animals in the farm (http://localhost:8080/average-price).

Average Weight - Returns the average weight of all the animals in the farm (http://localhost:8080/average-weight).

Total Weight - Total weight of all the animals (http://localhost:8080/total-weight).

Total Worth - Of all animals (http://localhost:8080/total-worth).

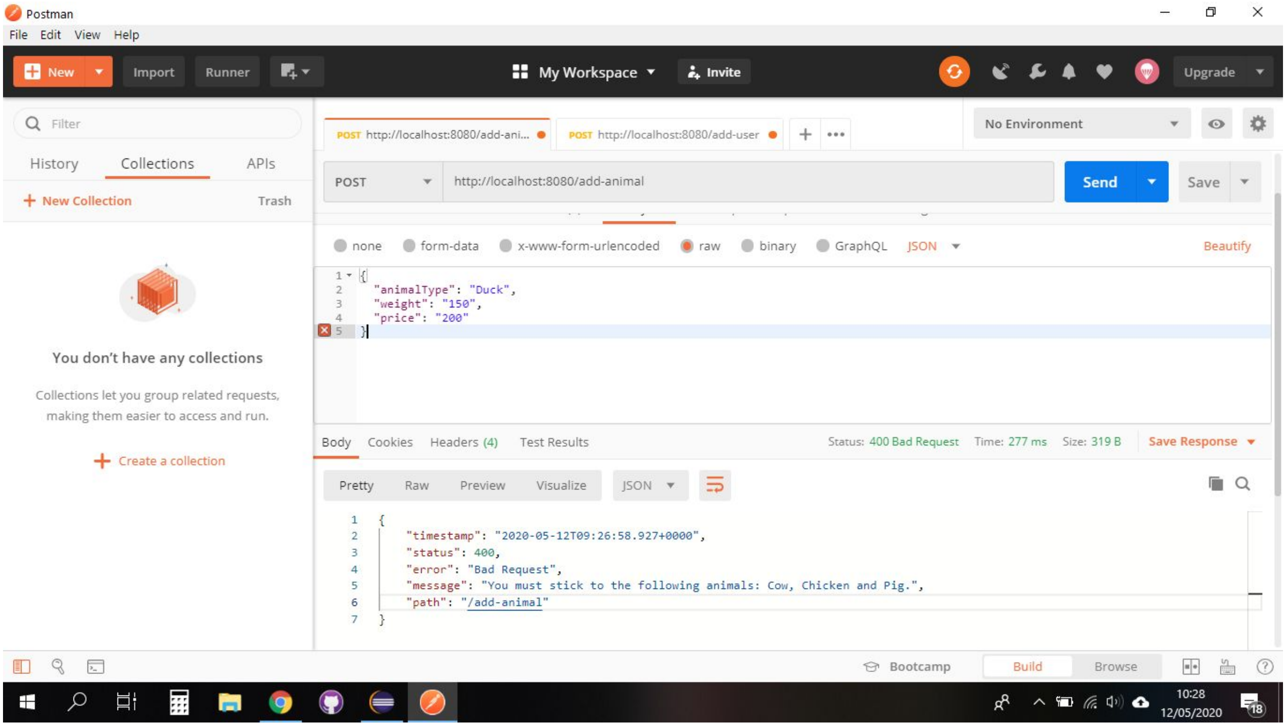
Weight Control - List of animals that can be sold (http://localhost:8080/weight-control).

Total Selling - Total value of all the animals that can be sold according to their weight (http://localhost:8080/selling-total).

Multiple Parameter - Returns the sum of the given parameters in the URL (http://localhost:8080/current-value?cow=350&pig=120&chicken=1**).**

HTTP Error Handling

HTTP Status 400 - for when the user inputs some invalid attribute:



POST http://localhost:8080/add-animal

● raw JSON

```
{
  "animalType": "Duck",
  "weight": "150",
  "price": "200"
}
```

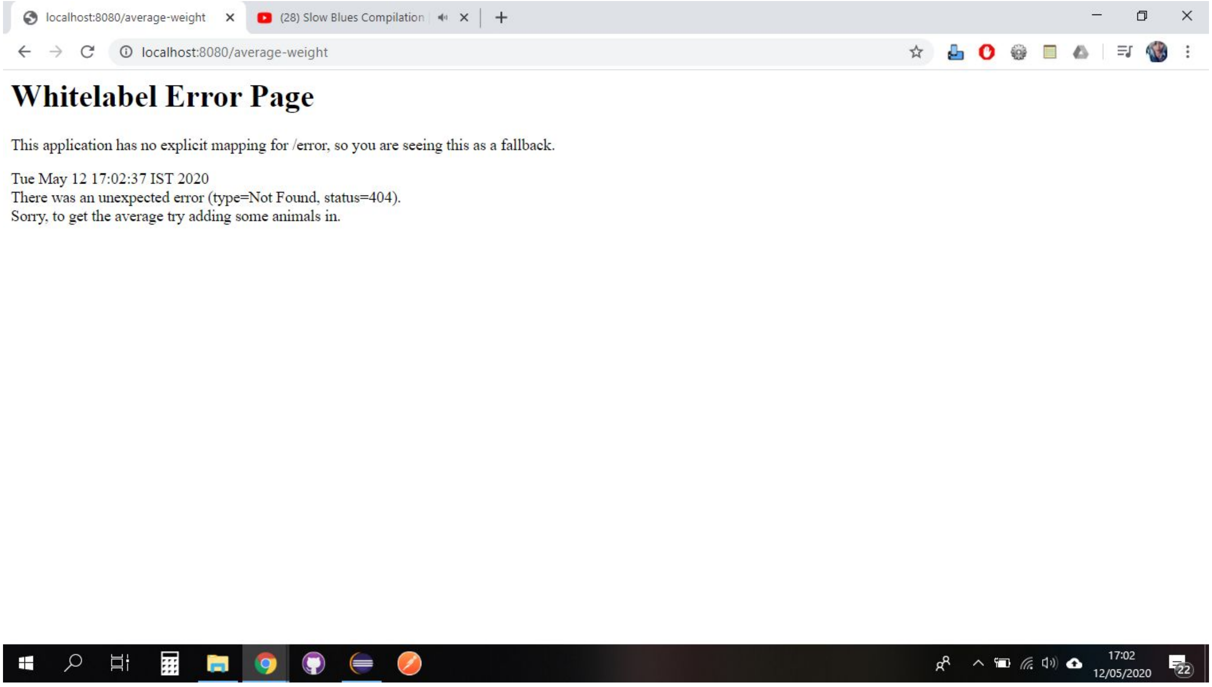
Status: 400 Bad Request Time: 277 ms Size: 319 B

JSON

```
{
    "timestamp": "2020-05-12T09:26:58.927+0000",
    "status": 400,
    "error": "Bad Request",
    "message": "You must stick to the following animals: Cow, Chicken and Pig.",
    "path": "/add-animal"
}
```

10:28
12/05/2020

HTTP Status 404 - Handles when no Item is added to the Array.

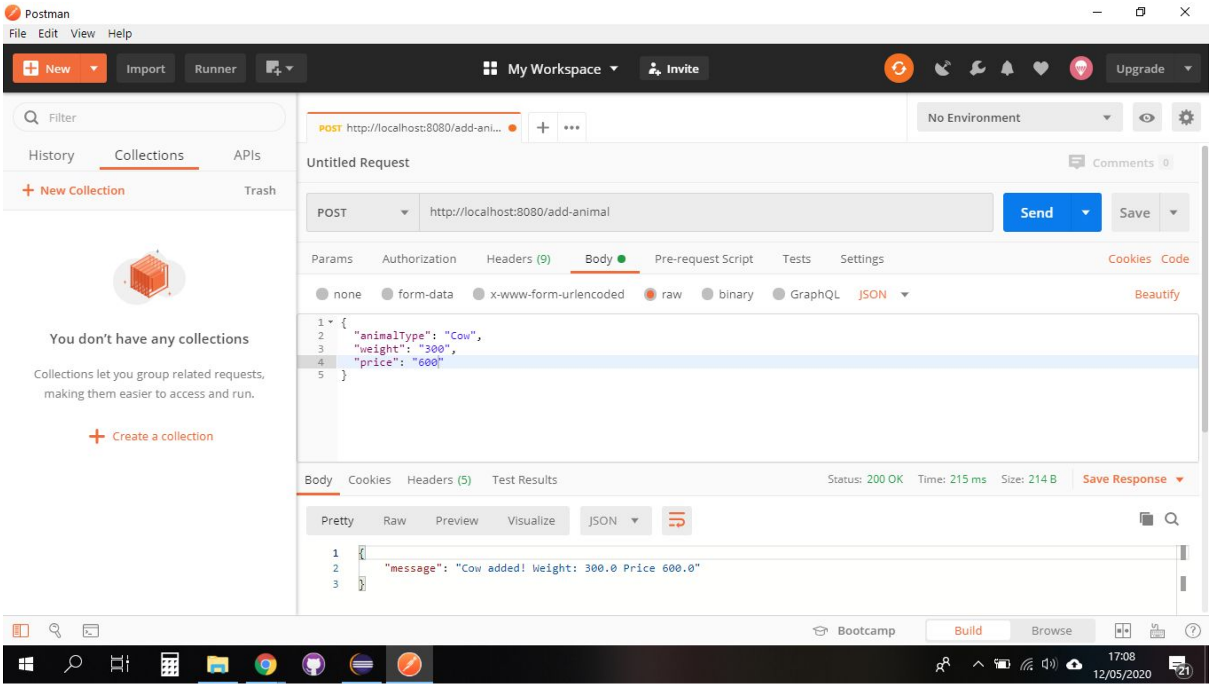

localhost:8080/average-weight
(28) Slow Blues Compilation
localhost:8080/average-weight
17:02
12/05/2020

Whitelabel Error Page

This application has no explicit mapping for /error, so you are seeing this as a fallback.

Tue May 12 17:02:37 IST 2020
There was an unexpected error (type=Not Found, status=404).
Sorry, to get the average try adding some animals in.

HTTP Status 200 - Displays Success Response



You don't have any collections

Collections let you group related requests, making them easier to access and run.

POST http://localhost:8080/add-ani...

Untitled Request

POST http://localhost:8080/add-animal

Body: ○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{
  "animalType": "Cow",
  "weight": "300",
  "price": "600"
}
```

Body Status: 200 OK Time: 215 ms Size: 214 B

JSON

```
{
    "message": "Cow added! Weight: 300.0 Price 600.0"
}
```

References

Rest API Error Handling
https://www.baeldung.com/rest-api-error-handling-best-practices

StackOverFlow
https://stackoverflow.com/

Recorded Classes
https://moodle.cct.ie