

Cloud Web Computing



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Documentation

CA's Endpoints

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

Average Type - Average of each type of animal(<http://localhost:8080/average-type>).

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>).

Other Endpoints

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

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

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>).

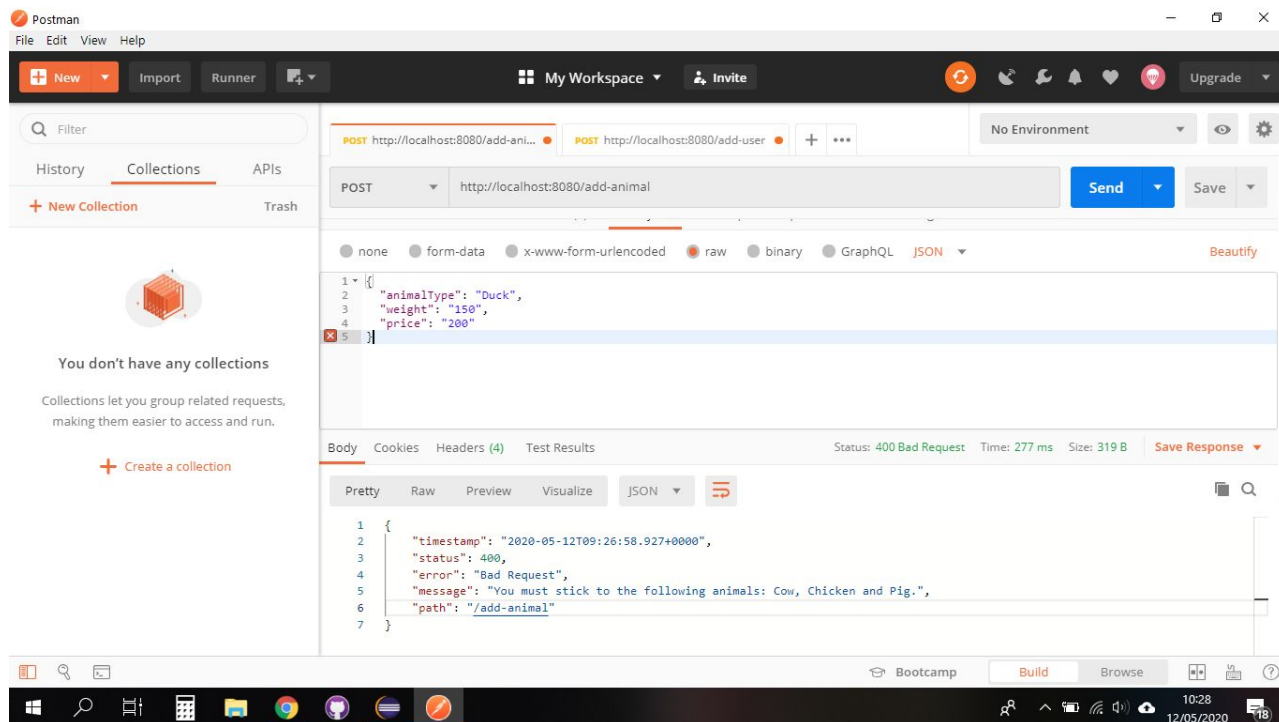
Average Weight - Returns the average weight of all the animals in the farm (<http://localhost:8080/average-weight>).

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

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

HTTP Error Handling

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



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



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

The screenshot displays the Postman application interface. On the left sidebar, the 'Collections' tab is active, showing a message: 'You don't have any collections. Collections let you group related requests, making them easier to access and run.' Below this is a '+ Create a collection' button. The main workspace shows an 'Untitled Request' for a POST method to the URL 'http://localhost:8080/add-animal'. The request body is set to 'raw' and contains the following JSON:

```
1 {
2   "animalType": "Cow",
3   "weight": "300",
4   "price": "600"
5 }
```

The response section at the bottom shows a status of '200 OK', a time of '215 ms', and a size of '214 B'. The response body is displayed in 'Pretty' format as a JSON object:

```
1 {
2   "message": "Cow added! Weight: 300.0 Price 600.0"
3 }
```

The bottom of the image shows a Windows taskbar with various application icons and a system clock indicating 17:08 on 12/05/2020.

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>