First Resonance Coding Challenge Design Doc

After activating the server:

There are three in-built data types – Cats, Dogs, Humans, with 2 of each in the dataset

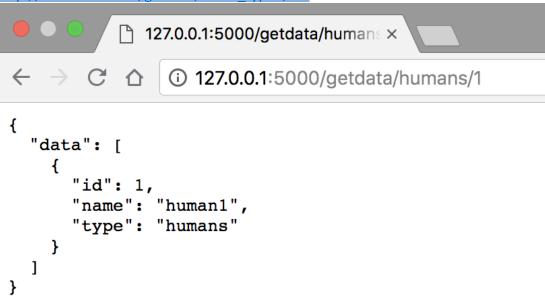
The entire data can be viewed by:

To get specific data based on type:

http://127.0.0.1:5000/getdata/<data type>

To get specific id from the data type:

http://127.0.0.1:5000/getdata/<data_type>/<id>



To add data to the database:

http://127.0.0.1:5000/postdata/<data type>

The id is set automatically and the parameter is 'name'

```
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```

To modify data in the database:

http://127.0.0.1:5000/modifydata/<data type>

Only the cat and dog classes are modifiable

Parameters are id and name, although name is not a requirement, and will create and empty field for name

```
→ ~ curl -i -H "Content HTTP/1.0 400 BAD REQUEST
                                                             ype: application/json" -X PUT -d '{"id":"3", "name":"catsdkjfh1"}' http://localhost:5000/modifydata/humo
HTTP/1.0 400 BAD REQUEST
Content-Type: text/html
Content-Length: 140
Server: Werkzeug/0.14.1 Python/3.7.0
Date: Thu, 13 Sep 2018 21:35:22 GMT
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 3.2 Final/EN">
<title>400 Bad Request</title>
<hl>knl>Bad Request</hl>
<hl> curl -i -H "Content-Type: application/json" -X PUT -d '{"id":"3", "name":"catsdkjfh1"}' http://localhost:5000/modifydata/cats
HTTP/1.0 200 OK
Content-Type: application/json
Content-Length: 628
Server: Werkzeug/0.14.1 Python/3.7.0
Date: Thu, 13 Sep 2018 21:35:35 GMT
       "data": [
       {
    "id": 1,
    "name": "cat1",
    "type": "cats"
              "id": 2,
"name": "cat2",
"type": "cats"
              "id": 1,
"name": "dog1",
"type": "dogs"
             "id": 2,
"name": "dog2",
"type": "dogs"
             "id": 1,
"name": "human1",
"type": "humans"
               "id": 2,
"name": "human2",
"type": "humans"
               "id": 3,
"name": "human3",
"type": "humans"
      },
{
  "id": 3,
  "name": "catsdkjfh1",
  "type": "cats"
```

To delete data in the database:

http://127.0.0.1:5000/deletedata/<data type>

Only the cat class is deletable

There was a slight error in the delete class which makes it off by one, since it uses the 'id' passed as the parameter as an index rather than a value.

```
Content-Type: application/json" -X DELETE -d '{"id":"0"}' http://localhost:5000/deletedata/cats
HTTP/1.0 200 OK
Content-Type: application/json
Content-Length: 21
Server: Werkzeug/0.14.1 Python/3.7.0
Date: Thu, 13 Sep 2018 21:49:20 GMT
  "result": true
                           127.0.0.1:5000/getdata
                 → C 🖒 🛈 127.0.0.1:5000/getdata
              "data": [
                  {
                    "id": 2,
"name": "cat2",
"type": "cats"
                 },
                 {
                    "id": 1,
"name": "dog1",
"type": "dogs"
                 },
                  {
                    "id": 2,
"name": "dog2",
"type": "dogs"
                 },
                    "id": 1,
"name": "human1",
"type": "humans"
                 },
                    "id": 2,
"name": "human2",
                     "type": "humans"
                 }
              ]
           }
```