## Data Representation Lab 05.3: AJAX calls to REST

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In this lab we want to make the AJAX calls that will call the RESTful API

• The server serves out a RESTfull api that performs CRUD operations on cars

Action	Method	URL	Sample params	Sample return
Get all	GET	/cars	none	{     cars:[     {},{},{} ]
Find by id	GET	/cars/reg	none	{car:
Create	POST	/cars	{     "reg":"12 D 1234",     "make":"Fiat",     "model":"Punto",     "price":3000 }	{     "reg":"12 D 1234",     "make":"Fiat",     "model":"Punto",     "price":3000 }
Update	PUT	/cars/reg	{     "price":3000 }	{     "reg":"12 D 1234",     "make":"Fiat",     "model":"Punto",     "price":3000 }
delete	DELETE	/cars/reg	none	{     "done":true }

- 1. Test that we can call the server from the web page, by creating a webpage called testgetall.html.
- 2. open browser and open http://127.0.0.1:5000/testgetall.html

3. If you get this error,

it is because you opened the html file directly and did not through the server. Id the url looks like. file:///C:/morespace/Dropbox/gmit/dataRepresentation/code/week05-REST/testgetall.html

4. Modify this url to all each of the cars to the table (you have the code from week to that adds a car to a table, you just need to call it from success function for each car.

Access to XMLHttpRequest at 'http://127.0.0.1:5000/cars' from origin 'null' has been blocked by CORS policy: No 'Access-Control-Allow-Origin' header is present on the requested resource.

## create

5. Make a web page that tests the create

## update

6. Test the update

```
function updateCar(){
    var car = {"reg":"181 G 1234","make":"Ford","model":"Modeo","p
rice":"00"}

console.log(JSON.stringify(car));
    $.ajax({
        "url": "http://127.0.0.1:5000/cars/"+encodeURI(car.reg),
        "method":"PUT",
        "data":JSON.stringify(car),
        "dataType": "JSON",
        contentType: "application/json; charset=utf-8",
        "success":function(result){
            console.log(result);
                document.getElementById("output").innerText = JSON.str
ingify(result);
    },
    "error":function(xhr,status,error){
          console.log("error: "+status+" msg:"+error);
    }
});
}
```

## delete

7. test delete