MAIN COURSE PROJECT

We're going to build an application

We will do this by using AJAX in 3 ways

But, before we can start writing AJAX, we need to do a few things

MAIN COURSE PROJECT

What are some things we need to create?

Frontend (browser)

Backend (server)

In real life, we would have a database to save all data into. This course is about AJAX (frontend) so we will not create a DB. This means every time you restart your server, the data will be lost.

MAIN COURSE PROJECT

What are some things we need to create?

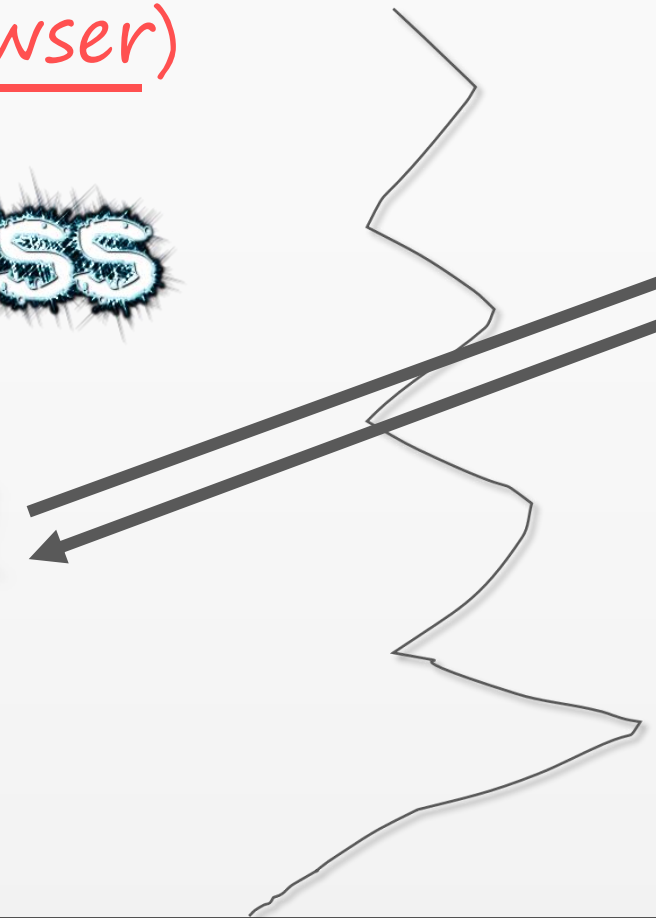
Frontend (browser)

HTML & CSS

AJAX

Backend (server)

NODE.JS



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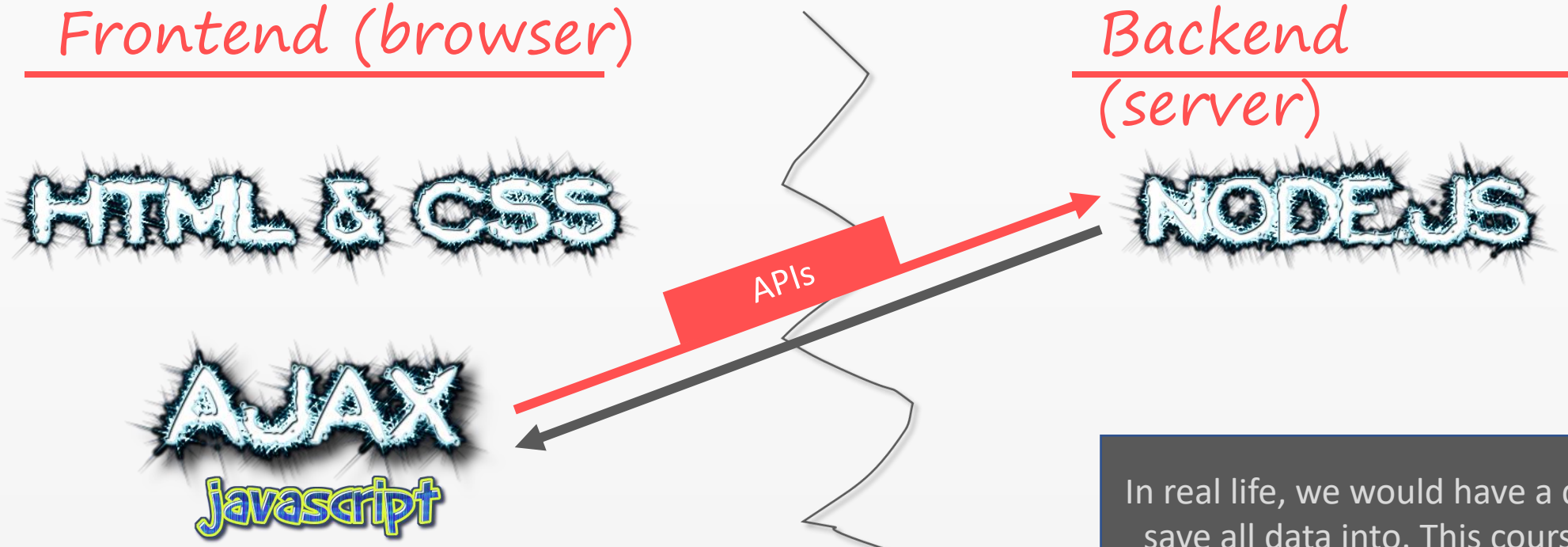

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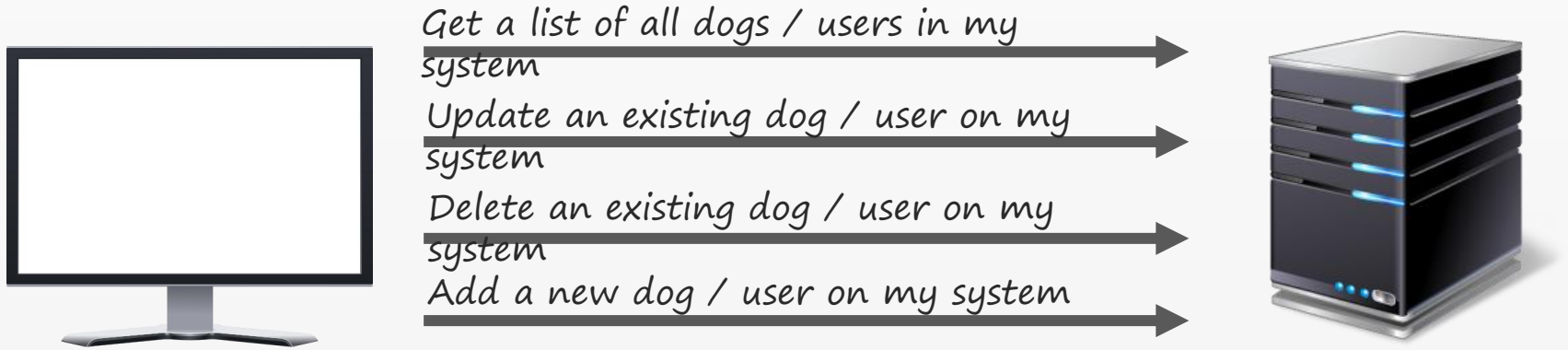
We will be creating RESTful endpoints that all user interactions get sent to



Each different action your user takes, needs to be sent to a unique location on the server, so the server knows what to do

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We will be creating RESTful endpoints that all requests get sent to

The way you send information to the server is up to you

The modern and most intuitive way is using RESTful endpoints

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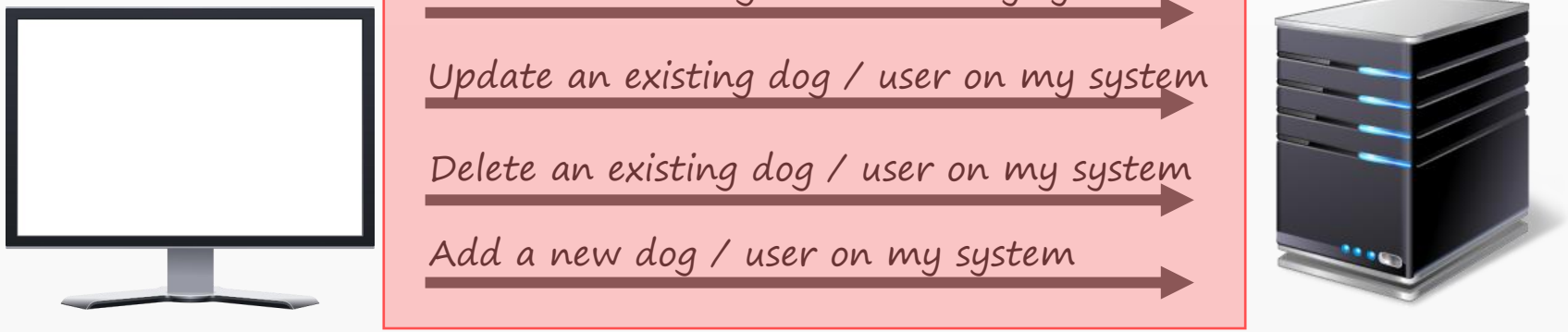

Don't freak out. REST is just a way to use the HTTP protocol

REST is just a document (specification) outlining how you should define endpoints. If you follow these guidelines, then your application conforms with REST

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Bottom line: we will define a set of URL endpoints that conform to REST, whereby the client and server can communicate

A lot of developers just use a simple GET request or POST request

But, REST says you should be descriptive

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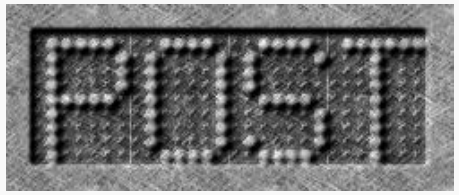
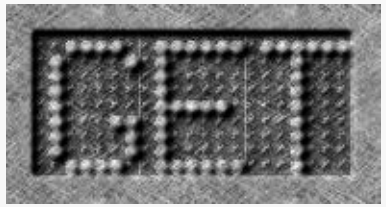


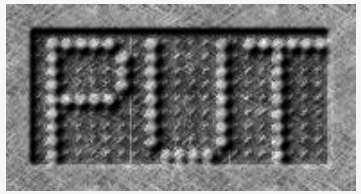
=> Add data to our server

Create



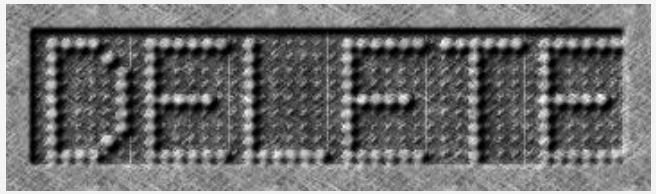
=> Get data from server

Read



=> Update something

Update



=> Delete something

Delete

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GET /users/update/:ID

PUT /users/update/:ID

✗ Not restful

✓ Restful

REST says we should use PUT because it better describes what we're doing

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DELETE /users/delete

Not restful

DELETE /users/delete/:ID

Restful

REST says we should include the user's ID because it is more intuitive

For a website to function, you need both frontend and backend code

The frontend consists of HTML, CSS and AJAX

In this course, the backend will consist of a Node.js server

TASK 1	TASK 2	TASK 3
Set up server	Set up AJAX endpoints	Create HTML and CSS