WordPress Greece Online

WordPress REST API

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If you want to follow along with code, please have a new install of WP ready. I will go through cloning the site we will be using.

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Agenda

- Understand WP REST API, AJAX, JSON.

- How to use the FETCH API to get/post data.

- Know how to create custom WP REST API Endpoints

- Use them for GET/POST requests

- Create forms that use these endpoints

- Secure forms with WP NONCE.

- Using endpoints from other sites.

Trainer PWAs, Web Components & RxJS

Source:Wikimedia Commons

Source:Wikimedia Commons

Brighton, UK

http://www.map-of-uk.co.uk/

80 km

Source:Wikimedia Commons

1980: At University, I studied Chemistry and used MS-DOS, client/server main frame systems, ZX-Spectrum computer and Jupiter Ace recreationally.

Former careers as accountant, SQL Server DBA and Business Information Architect.

And a (proud) plumber!

Source:Wikimedia Commons

WordPress REST API

- What is REST?

- This was formulated by Roy Fielding for his thesis in 2000.

- An architectural style not a protocol.

- HTTP by its nature is implicitly RESTful.

- https://www.ics.uci.edu/~fielding/pubs/dissertation/rest_arch_style.htm

Endpoints

HTTP VERB + URL = ENDPOINT

GET/POST + same URL = 2 ENDPOINTS

https://wpjs.co.uk/wpb/wp-json/wp/v2/posts GET/POST/DELTE

Ajax

AJAX = **A**synchronous **J**avaScript **A**nd **X**ML.

Read data from a web server *without reloading the page*

Update a web page

Send data to a web server - in the background

JSON – JavaScript Object Notation

JSON is a lightweight format for storing and transporting data

JSON is often used when data is sent from a server to a web page

JSON is "self-describing" and easy to understand.

Data is in name/value pairs separated by commas.

Essentially arrays of arrays.

JSON – Data Types

Strings – Booleans – Numbers

Null – Object - Array

https://wpjs.co.uk/wpb/wp-json/wp/v2/posts

Workshop resources

The following link has the workshop manual, code and also the ability to clone the WP site.

We will go through how to clone the site.

Wrap Up

There is free online course covering what we have done today.

The link is valid for 3 days.

If you have any questions please feel free to contact me: **craig@wpjs.co.uk**