Introduction to the RxJS Library Quick Start

Two Day Boot Camp

# Short Overview

This boot camp is a follow on from the **Asynchronous JavaScript** boot camp. The learning focuses on the RxJS library. This library is huge, there is a lot to learn so in the boot camp we demonstrate how to get started with the basic parts of the library. Once you know how to set up your environment to accommodate the library, the rest is referencing the documentation and experimenting with the various operators.

# Audience

Intermediate JavaScript programmers with at least 3 years working experience. The second demographic for this boot camp is the group that have already taken the **Asynchronous JavaScript** boot camp mentioned above. This boot camp is only for JavaScript programmers.

# Objectives:

* After completing this boot camp participants would be aware of different environments for running RxJS library code
* Learners will experience working with Observables and handline the resulting data
* Participants will **practice** some of the more commonly used library operators

# Day01

Part 1 – Environment Setup (Node.js & HTML)

Part 2 – Warm Up Examples

Part 3 – Pipeable Operators

Part 4 – Special Observable - Subject

Part 5 – Schedulers

Part 6 – Schedulers Use Case

Part 7 – combine Latest()

Part 8 – merge(), mergeMap(), forkJoin(), concat(), zip()

Part 9 – Mouse Capture

# Day02

Part 1 – Hot vs Cold Observables

Part 2 – ajax(),tap() and catchError()

Part 3 – Revisit to Subject plus Behavior Subject

Part 4 – User Input with RxJS

Part 5 – Flattening Operators

Part 6 – More on Flattening Operators

Part 7 – Angular Reactive App Setup

Part 8 – Reactive Version

Part 9 – Multiple API Calls