

JavaScript Seminars

The following is a list of JavaScript seminars that can be presented at your company, user group, or other live event by **Paul D. Sheriff**.

Essentials of JavaScript

The de-facto standard language for programming web pages is JavaScript. If you are new to JavaScript, this seminar is for you. You will be introduced to the essential language features of the JavaScript language. You learn to create functions, declare, and use variables, interact with, and manipulate, elements on web pages using JavaScript.

Learning Objectives

Creating functions and variables

Manipulate web page elements

Responding to events

Asynchronous Programming in JavaScript

Promises and `async/await` are the modern methods of asynchronous programming in JavaScript. In this seminar you see a comparison and contrast between callbacks and promises. You also learn to use the `async` and `await` keywords to make working with promises much easier. If you have not worked with promises yet, this seminar is for you as this takes you from beginning to intermediate promise usage.

Learning Objectives

Using Callbacks

Creating and using Promises

Using the async/await keywords

Using ES6 Classes in JavaScript

Many of us have been using JavaScript for many, many years. While you may know most of the language inside and out, there have been many advancements in the last 10 years that you should know about. To me, one of the best features added to the language are classes. If you are familiar with C# or some other object-oriented language, classes are a great way to keep your code encapsulated, organized, maintainable, testable, and reusable. You now have those same capabilities in JavaScript. In this seminar, you are introduced to the ES6 JavaScript class keyword, constructors, fields, properties, methods, and inheritance.

Learning Objectives

Creating basic classes

Learn to use inheritance

Static properties and methods

Use the Fetch API for Calling Web APIs using JavaScript

Many web developers tend to do a lot of post backs because they are more comfortable in C# than with JavaScript. However, with just a little JavaScript and the Fetch API you can make calls to a Web API to eliminate a lot of round trips. Using the Fetch API increases the performance of your web pages. This seminar shows you how to work with JSON objects to create an add, edit, and delete page. Web API calls are used to retrieve and modify the data. This seminar uses HTML, JavaScript, and the Fetch API to illustrate working more on the client-side.

Learning Objectives

Retrieve data using the Fetch API

Posting data using Fetch API