December 13, 2021

JavaScript Objects

Course Overview

Creating JavaScript Objects

-Intro

-Getting Started

-Using Objects Literals to Create JavaScript Objects

-The Dynamic Nature of JavaScript

-Adding Functions to Objects

-Object Literal Property Shorthand

-Object Literal Method Declaration Shorthand

-Inspecting Object Properties with Object.keys( ) and for..in

-Object Equality and the Object.is( ) Function

-Object Assign and Immutability

-Using Constructor Functions to Create Objects

-Using Object.create( )

-Summary

JavaScript Object Properties

-Introduction

-Using Bracket Notation to Access JavaScript Properties

-Modifying Properties with Property Descriptors

-Using the Writable Attribute

-Using the Enumerable Attribute

-Using the Configurable Attribute

-Creating Property Getters and Setters

-Summary

JavaScript Prototypes and Interfaces

-Intro

-What is a Prototype?

-Instance vs Prototype Properties

-A graphical Overview of Prototypes

-Changing a Functions Prototype

-Multiple Levels of Inheritance

-Creating Your Own Prototypal Inheritance Chains

-Summary

JavaScript Classes

-Introduction

-Creating Objects with Classes

-Creating Getters with Setters with Classes

-Adding Functions to Classes

-Modifying Property Descriptors on Classes

-Using Inheritance with JavaScript Classes

-Using Static Properties and Methods

-Summary

Using Built-in JavaScript Objects

-Introduction

-Using the JavaScript Math Object

-Managing Dates with the Date Object

-Validating Strings with the RegExp.test( ) Function

-Searching Strings with RegExp.exec( ) Function

-Summary