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Learning Style: On Demand

Provider: Microsoft

Difficulty: Intermediate

Course Duration: 12 Hours

Asynchronous Programming with Javascript



About this Course:

This intermediate-level course is designed for Professional Developers and Programmers striving to learn the art of JavaScript Asynchronous Programming. This course introduces professionals with this innovative programming technique designed to augment the responsiveness of web applications and augment multiple task management proficiency. Professionals with expertise in JavaScript Functionalities and Features can easily secure successful jobs as a Professional Programmer earning \$118,500 annually.

This is a 12-hours Computer Science Training Program covering the key concepts of Asynchronous Programming including JavaScript Promises and Generators.

Professionals will get to learn the art of creating asynchronous network requests and will also get to know the fundamentals of writing maintainable code in JavaScript. In addition to this, professionals also get to learn the Fetch API Applications and Configuration, Text Analytics API, Multiple Promises Management, and JavaScript Generators.

Course Objectives:

The core objective of this course is to help professionals develop a better understanding and sound knowledge of the following key concepts:

- Fundamental Knowledge and Understanding of Asynchronous Programming
- Basic Understanding of JavaScript Promises and their Uses
- Essentials of Fetch API and its Applications
- Fundamentals and Essentials of JavaScript Generators
- Multiple Promises Management and Chaining Promises
- Text Analytics API Lab and Fetch Settings Customization
- Generator Objects and Functions

Audience:

This course is specifically tailored for the following group of professionals and interested candidates:

- Developers
- Programmers
- Application Developers

Prerequisites:

Professionals planning to enroll in the Asynchronous Programming with JavaScript course must comply with the following prerequisites:

- Intermediate Level Understanding of JavaScript Essentials
- Conceptual Knowledge and Familiarity with HTML
- Programming in HTML5 with CSS3 and JavaScript Certification is Recommended

Course Outline:

Module 1 - Asynchronous Fundamentals

- Intro to Asynchronous Fundamentals
- Asynchronous Programming Fundamentals
- Callback Functions
- Timers
- DOM Events
- Module 1 Tutorial Lab: Memory Match
- Module 1 Assignment: Stop Watch

- Module 1 Assessment

Module 2 - Promises

- Intro to Promises
- Creating and Using Promises
- Chaining Promises
- Handling Multiple Promises
- Module 2 Tutorial Lab: Product Catalog
- Module 2 Assignment: Advanced Product Catalog
- Module 2 Assessment

Module 3 - Fetch API

- Intro to the Fetch API
- Basic Fetch Usage
- Customizing Fetch Settings
- Using Fetch with Requests
- Module 3 Tutorial Lab: Text Analytics API
- Module 3 Assignment: Face API
- Module 3 Assessment

Module 4 - Generators

- Introduction to Generators
- Generator Functions and Generator Objects
- More on Generator Objects
- Using Generators with Asynchronous Functions
- Module 4 Tutorial Lab: Star Wars API
- Module 4 Assignment: Starship Comparison
- Module 4 Assessment

Module 5 - Final Assessment

- Final Assessment?

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