ProTech Professional Technical Services, Inc.

Prepare for your JavaScript Developer I Certification Exam CRT-600

Course Summary

Description

Are you ready to take the next step in your career by becoming a Salesforce Certified JavaScript Developer I? By covering the details around the exam structure and objectives, this course will help hone your problem-solving skills and reinforce your knowledge of key features and concepts of the JavaScript programming language.

Objectives

At the end of this course, students will be able to:
- Understand the different exam objectives and their weighting on the exam.
- Know which JavaScript concepts to focus on to best prepare for your exam.
- Study the provided repository of JavaScript sample code.

Topics

- JavaScript Basics
- Objects, Functions, and Classes
- Browser and Events
- Debugging and Error Handling
- Asynchronous Programming
- Server Side JavaScript
- Testing

Audience

This class is ideal for:
- Individuals who have knowledge, skills, and experience developing front-end and/or back-end JavaScript applications for the web stack.
- Developers who have experience designing, developing, testing, and deploying applications using an object-oriented programming language and would like to transfer those skills to building applications with JavaScript.

Prerequisites

Students should possess the following before attending this course:
- Experience in developing front-end and/or back-end JavaScript applications for the web stack.
- Experience in designing, developing, testing, and deploying applications using an object-oriented programming language.

Duration

One day

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Course Outline

I.   *JavaScript Basics*
   A. Data Types and Variables
   B. Type Conversion (explicit and implicit)
   C. Collections
   D. Working with Strings, Numbers, and Dates
   E. Working with JSON

II. *Objects, Functions, and Classes*
   A. Creating Objects
   B. Defining Functions
   C. Object Prototypes
   D. Declaring Classes
   E. Using JavaScript Modules

III. *Browser and Events*
   A. Document Object Model
   B. DOM Events
   C. Browser Dev Tools

IV. *Debugging and Error Handling*
   A. Throwing and Catching Errors
   B. Working with the Console

V.   *Asynchronous Programming*
   A. Callback Functions
   B. Promises
   C. Async/Await

VI. *Server Side JavaScript*
   A. Node.js CLI
   B. Node.js Libraries
   C. Debugging in Node.js
   D. npm

VII. *Testing*
   A. Assertions
   B. Types of Testing