

API Documentation & Creating HTML, CSS and JavaScript

Day 1

Section – 1: HTML & CSS

HTML Basics

CSS Basics

JavaScript Basics

Day 2

Section – 2 Introduction

Overview

API Documentation Overview

JSON, XML, and how they compare

Data Types and Structured Data

Data types, Boolean values, Structured data

Tools for Writing JSON and XML

Section – 2 JSON

What is JSON and how does it work?

The history of JSON

Basic data types: Arrays, Objects, Nesting, and Indentation

Create a JSON file

Documenting JSON

How JSON is used for both requests and responses

Documenting JSON element, values, and nesting

Section – 3 XML

What is XML and How Does It Work?

XML Basics

How to Use: Tags and Content, Attributes, Nesting, Namespaces and Comments, Indentation, and Schemas

Documenting XML

Documenting attributes and multiple tables

Day 3

Section – 4: REST APIs

REST

REST is a type of web API

The difference between design patterns and protocols

How RESTful APIs use HTTP, requests, responses, and resources

How REST compares to SOAP

Requests

Different parts to a request: Method, URL, Query parameters, Headers, and Body

Resources

What a resource is and its representation in URLs

What endpoints are

How to specify either multiple or singular resources

Methods

- Methods and CRUD operations (GET, POST, PUT, and DELETE)
- Document method and Resource URL
- API Requests with query parameters

Headers

- Document Headers and Bodies and Responses
- Document Authentication, Authorization, and Status Codes

Tools for REST Documentation

- Single source tools, content management, and auto generated documentation tools
- Use a REST client to make REST API calls

Day 4

Section – 6: Tools Used

- Tools for Writing Structured Data Documentation
- Using Structured Data for Documentation

Section – 7: Add on Swagger Framework Introduction

- Introduction of RAML
- Sample project of Swagger
- Tools Used
- Tools for Writing Structured Data Documentation
- Using Structured Data for Documentation