Web Development--Online

Fundamental Objective: Prepare individuals for passing of the CIW Site Development Associate Exam 1D0-61B and CIW JavaScript Specialist Exam 1D0-635.

Program is divided in two parts:

Part 1 consists of online video-based hands on learning of HTML, CSS, JavaScript and Bootstrap. Part 1 incorporates approximately 134 videos, online quizzes, required coding projects, written assignments and final exams.

Part 2 is the exam prep portion of the program making use of the online curriculum by CIW (Certified Internet Web Professional). The CIW Site Development Associate exam prep covers HTML, CSS based information, and the CIW JavaScript Specialist exam prep covers JavaScript based information. Important to note that these exams cover the basic/introductory information regarding these languages.

Part 2-exam prep requires a tremendous amount of reading, practice labs, quizzes, flash cards and practice exams.

CIW does not offer an exam for Bootstrap at this time but is offered due to the responsive nature of Web Design and Development, i.e. laptops, tablets, smart phones, etc.

Attendance is tracked online via completion of video assignments, quizzes, projects, written assignments and final exams.

Presently, this program makes use of two platforms—Google Classroom and Canvas.

Grading is assigned via a 100% rating as per all aforementioned required work. In short, if all work is completed in a satisfactory manner, the individual will receive an A for Part 1. Part 2 grades will be reflective in pass or fail of the certification exam. If passed, the individual will receive an A, if failed the individual will be provided opportunity for a retake of the exam.

The program is approximately 10-11 months in length.

Instructional support is provided via email, blog, telephone calls. Any/all questions by students will be answered within 24 hours.

The following is a listing of topics covered via each language.

HTML

Headings

Paragraphs

Formatting

Unordered Lists

Ordered Lists

Nested Lists

Span/Div

Images

Basic Tables

Basic Forms

Links

Entities

iFrames

CSS

Inline CSS

Internal CSS

External CSS

Class and ID's

Div's and Spans

Colors

Floating

Positioning

Margins

Padding

Borders

Fonts

Styling Text

Aligning Text

Styling Links

JavaScript

Inline JavaScript

Internal JavaScript

Accessing Elements

Responding to a Click

Changing Website Content

Manipulating Styles

Disappearing Circles(Challenge)

Variables

Arrays

If Statements

Game(How many fingers)

For Loops

While Loops

Functions

Project Video

External JavaScript

Bootstrap

Components

Grids

Nav and Navbars

Forms and Tables

Jumbotron

Alerts

Progress Bars

Cards

Modals

Popovers

Tool tips

Scroll Spy

Final Project

CIW Site Develop Associate Exam Prep

Markup Language and Site Development Essentials

HTML5 Coding

Cascading Style Sheets (CSS) and Graphical Elements

Hyperlinks

HTML Tables

Web Forms

Video, Audio and Image Techniques

Extending HTML

GUI HTML Editors and Mobile Websites

Website Development for Business

CIW JavaScript Specialist Exam Prep

Introduction to JavaScript

Working with Variables and Data in JavaScript

Functions, Methods and Events in JavaScript

Debugging and Troubleshooting JavaScript

Controlling Program Flow in JavaScript

The JavaScript Document Object Model (DOM)

JavaScript Language Objects

Custom JavaScript Objects

Changing HTML on the Fly

Developing Interactive Forms with JavaScript

JavaScript Security

JavaScript Libraries and Frameworks

JavaScript and AJAX

Introduction to Web API's