Full stack Web Design

About the Certification

- This course is part of the Microsoft Professional Program Certificate in Front-End Web Development.
- This course introduces HTML, JavaScript and CSS as programming and markup languages that are used to create web applications.
- The learner will gain experience with each language individually and then combine them together to create compelling web application solutions.
- This course includes hands-on labs that enables the learner to build basic HTML pages that are the components of a web application used to solve real world problems.

The Value of the Certificate

- The learner will have an opportunity to use Visual Studio Code on their operating system of choice to create and test their web applications.
- This course teaches basic tasks that are necessary to create web applications with a strong semantic structure, re-usable style components and custom interactive features.
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Who should attend?

- The target audience for this training course is individuals who are interested in learning about the core skills necessary for web development
- This course is intended for individuals of all levels. Some light experience with software development is helpful but not necessary.

Requirements to Attain the Certification

Some light experience with software development is helpful but not necessary.

The Exam Process : No Exam

Students will be able to :

- Explore the historical context and justification for HTML
- Create HTML5 documents
- Use HTML elements to add content to a HTML page
- User hyperlinks to connect various HTML pages together
- Capture user input using forms
- Create content using HTML5 semantic elements
- Create SVG Graphics
- Create CSS stylesheets
- CSS rule sets and selectors
- Layout HTML elements using CSS margin and padding
- Implement program logic using JavaScript
- Leverage HTML5 APIs using JavaScript
- Implement advanced web applications using jQuery, AngularJS, Bootstrap, TypeScript or Sass

Course Outline

Module 1: Creating Web Pages using Hypertext Markup Language (HTML)

Module 2: Creating Sophisticated Document Structures using HTML

Module 3: Designing Web Pages Elements using Cascading Style Sheets (CSS)

Module 4: Implementing Program Flow using JavaScript (JS)

Module 5: Adding External Libraries to Enhance HTML Applications