Course 40410-A: JavaScript, HTML and CSS Web Development

- **Creating Web Pages using Hypertext Markup Language (HTML)**
  - Introduction to HTML
  - Introduction to Document Structure and Layout
  - How to work with Basic HTML Elements
  - How to format HTML Elements
  - Introduction to Hyperlinks
  - How to Configure your Development Environment
  - How to use various HTML Elements on a web page
  - How to create a basic HTML document using the core HTML elements

- **Creating Sophisticated Document Structures using HTML**
  - How to Capture User Input
  - Introduction to HTML5 Semantic Elements
  - How to work with Scalable Vector Graphics (SVG)
  - How to Implement Media Controls
  - How to add additional HTML features to a web page
  - How to use advanced features of HTML such as forms

- **Designing Web Pages Elements using Cascading Style Sheets (CSS)**
  - Introduction to CSS
  - How to work with Style Definitions
  - How to work with Style Inheritance
  - How to work with Box Model
  - How to work with Fonts
  - How to Style a web page using CSS

- **Implementing Program Flow using JavaScript (JS)**
  - Introduction to JavaScript
  - Working with JavaScript Types
  - Introduction to JavaScript Callbacks
  - Advanced JavaScript
  - How to work with HTML5 APIs
  - How to implement an image carousel in HTML5
  - How to use JavaScript to add a logical flow to a web page

- **Adding External Libraries to Enhance HTML Applications**
  - Introduction to jQuery
  - Introduction to AngularJS
  - Introduction to Bootstrap
  - Introduction to TypeScript
  - Introduction to Sass
  - How to modernize a web page

- Introduction to various external libraries that may enhance the HTML, CSS, and JavaScript content on a web page