

# Unit 1: Introduction to Web Design

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## 1.1 Simple Sample (1 hour)

This is the starting point for our exploration of HTML. Use this file to get a basic understanding of HTML. Discuss the difference between source code (the raw HTML) and the rendered page (the page as seen in the browser). Students should type the sample.html file into Visual Studio Code. They should open the saved file with Google Chrome or another web browser. Students that finish early should explore on their own by making modifications and seeing what happens.

## 2.2 Getting Started

### Learning Targets:

- Students know what makes a markup language is.
- Students know what tags are
- Students understand tag syntax

### What is a "markup language"

Review this section with students. Students should begin a vocabulary list. Documentation: each lesson has a documentation section. This can be a physical notebook or an online document such as a google doc. Checking documentation is a good formative assessment for students.

### HTML Tags

#### Parts of an HTML document

#### Tour of sample.html

This video is a supplemental explanation of the sample.html file.

### Assignments

1. Modify the sample.html file
  - Students should turn in a file with different text, title and headings.
2. Debug exercises
  - debug\_ex01.html -- Missing `<!DOCTYPE html>` tag
  - debug\_ex02.html -- Missing `<a>` and `<p>` tags
  - debug\_ex03.html -- Missing `<head>` tag
3. Create "about the author" page with the following elements:
  - Title
  - Heading
  - Image
  - Biography