# UNIT 1 Lab - Setting Up Your Coding Environment

For this lab you will be setting up a number of tools and resources for your Front-End Web Development Course. We will discuss each of these in the lab and what you will use the tools for.

1. Go here <https://www.google.com/intl/en_ie/chrome/> and download the Chrome browser
2. Go here <https://code.visualstudio.com/> and download the free text editor
   1. Install the extensions as listed in the unit 1 slides
3. Go here <https://git-scm.com/downloads> and download/install the Git client for your platform
4. Go here <https://github.com/> and create a free account

## Hands-On Exercises

1. Create a new folder called “front-end-web-development”
2. In that folder create another folder called “unit-01”
3. Using the Visual Code editor, create a html page called “unit-1-exercise-1.html” and save it in the “unit-01” folder
4. Copy the html code on the next page and paste it into this new html file

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Enter a title, displayed at the top of the window.</title>

</head>

<body>

<!-- Text between angle brackets is an HTML tag and is not displayed.

Most tags, such as the HTML and /HTML tags that surround the contents of

a page, come in pairs; some tags, like HR, for a horizontal rule, stand

alone. Comments, such as the text you're reading, are not displayed when

the Web page is shown. The information between the HEAD and /HEAD tags is

not displayed. The information between the BODY and /BODY tags is displayed.-->

<!-- The information between the BODY and /BODY tags is displayed.-->

<h1>Enter the main heading, usually the same as the title.</h1>

<p>Be <b>bold</b> in stating your key points. Put them in a list: </p>

<ul>

<li>The first item in your list</li>

<li>The second item; <i>italicize</i> key words</li>

</ul>

<p>Improve your image by including an image. </p>

<p><img src="http://www.mygifs.com/CoverImage.gif" alt="A Great HTML Resource"></p>

<p>Add a link to your favorite <a href="https://www.google.com/search?q=favourite+website">Web site</a>.

Break up your page with a horizontal rule or two. </p>

<hr>

<p>Finally, link to <a href="page2.html">another page</a> in your own Web site.</p>

<!-- And add a copyright notice.-->

<p>© UCDPA, 2024</p>

</body>

</html>

1. In file explorer double-click on the html file to display it in the browser. See below.

A screenshot of a computer

Description automatically generated

1. Now that you have the web page displaying in the browser, change the text in Visual Code and reload the webpage in the browser to see the updated webpage
2. Change the text in the <h1> tag to your name
3. Using a <p> tag add some text about yourself and what you hope to achieve with this course
4. Change the value of the src attribute of the img tag to the following;

<https://cdn.catawiki.net/assets/marketing/uploads-files/47049-435fb5a55413baa02154ca6a993d1da4ecd1dfa0-story_inline_image.jpg>

and reload the webpage in the browser. A photo of Abert Einstein should display

1. Change the text in the <li> tags to a list of your favourite bands, films or video games
2. Change the value of the href attribute of the <a> tag to the URL for your favourite website