

# Lab Activity 1.1: Building Your First Web Page

**Subject Code:** IT55

**Description:** Web Systems and Technologies 1

**Section:** BSIT 2A

**Schedule:** MW 10:00 AM - 11:00 AM

**Room:** CISC Room 2

## Objective:

By the end of this activity, you will be able to create a simple, well-structured HTML webpage using the topics covered in HTML Basics.

## Instructions for Students

### 1. Create a New HTML File

Instructions:

#### • Open Your Text Editor

You can use any text editor to create an HTML file. Here are some options:

Editor	Description	Download Link
<b>Notepad</b> (Windows)	Basic built-in text editor for Windows	<i>(Already installed on Windows)</i>
<b>VS Code</b>	Free, powerful code editor from Microsoft (Recommended)	<a href="#">Download VS Code</a>
<b>Sublime Text</b>	Fast and lightweight text editor	<a href="#">Download Sublime Text</a>
<b>Notepad++</b>	Free source code editor for Windows	<a href="#">Download Notepad++</a>

#### • How to open:

- **Windows:** Press Windows Key → type the editor name → press **Enter**.
- **Mac:** Press Command + Space → type the editor name → press **Enter**.

#### • Create a New File

- **Notepad / Notepad++ / Sublime:** Click **File** → **New**.
  - **VS Code:** Click **File** → **New File** or press `Ctrl + N`.
- **Save the File as `my_first_webpage.html`**
    - **Create a Folder**
      1. Go to your **Desktop** or **Documents**.
      2. Right-click and select **New** → **Folder**.
      3. Name the folder **your family name** (e.g., Garcia).
    - **Open VS Code**
      1. Launch **Visual Studio Code**.
      2. Click **File** → **Open Folder...**
      3. Select the folder you just created and click **Select Folder** (or **Open**).
    - **Create Your HTML File**
      1. In VS Code, click **File** → **New File** (or press `Ctrl+N`).
      2. Go to **File** → **Save As**.
      3. Make sure you are inside your family name folder.
      4. **File Name:** `my_first_webpage.html`
      5. **Save as Type:** (Automatically set by VS Code — just make sure the extension is `.html`).
      6. **Encoding:** UTF-8 (default in VS Code).
      7. Click **Save**.
    - **Start Coding**
      1. Type your HTML code in the file.
      2. Save anytime by pressing `Ctrl+S`.
  - **Check the File Extension**
    - Make sure the file ends with `.html` and **not** `.txt`.
    - If it shows as `my_first_webpage.html.txt`, rename it:
      1. Right-click → **Rename** → remove `.txt` → keep `.html`.
  - **Your HTML File is Ready**
    - You can now start adding HTML code.
    - To view it in a web browser, double-click the file.

## 2. Add the Basic Structure

```
<!DOCTYPE html>
<html>
<head>
  <title>My First Webpage</title>
  <meta charset="UTF-8">
  <meta name="description" content="This is my first HTML page.">
  <meta name="keywords" content="HTML, beginner, web development">
```

```

<meta name="author" content="Your Name">
<style>
  body { font-family: Arial, sans-serif; background-color: #f5f5f5; } h1 {
color: #2c3e50; }
  p { line-height: 1.5; }
  .highlight { background-color: yellow; }
</style>
<script>
function greet() {
  alert("Hello! Welcome to my page.");
}
</script>
</head>
<body onload="greet()">

```

### 3. Formatting Text

```

<h1>Welcome to My First Webpage</h1>
<p>This is a <b>bold</b> statement, and here is some <i>italic</i>
text.</p> <p class="highlight">This paragraph is highlighted using CSS.</p>

```

### 4. Create a List

```

<h2>My Favorite Fruits</h2>
<ul>
  <li>Mango</li>
  <li>Banana</li>
  <li>Apple</li>
</ul>

<h2>Steps to Make Tea</h2>
<ol>
  <li>Boil water</li>
  <li>Add tea leaves</li>
  <li>Pour into a cup</li>
</ol>

```

### 5. Add a Comment

```

<!-- This is a comment: The above lists show unordered and ordered lists -->

```

### 6. Add an Anchor (Link)

```

<p>Visit <a href="https://www.example.com" target="_blank">Example Website</a> for more
info.</p>

```

## 7. Add Multimedia

In this step, you will insert audio, video, and an image into your webpage so it becomes more interactive and visually appealing.

Instructions:

- **Locate Your Media Files**

- Prepare the following files and place them in the **same folder** as your HTML file:

1. song.mp3 → An audio file in **.mp3** format.
2. video.mp4 → A video file in **.mp4** format.
3. image.jpg → An image file in **.jpg** format.

```
<h2>My Favorite Song</h2>
<audio controls>
<source src="song.mp3" type="audio/mpeg">
Your browser does not support the audio element.
</audio>
```

```
<h2>My Favorite Movie Scene</h2>
<video width="320" height="240" controls>
<source src="video.mp4" type="video/mp4">
Your browser does not support the video tag.
</video>
```

```
<h2>My Favorite Picture</h2>

```

## 8. Using <div> and <span>

```
<div style="border:1px solid #000; padding:10px; margin-top:10px;">
<p>This is a block container using <span style="color:red;">div</span> and <span
style="font-weight:bold;">span</span> elements.</p>
</div>
```

## 9. Using a Table

```

<h2>Class Schedule</h2>
<table border="1" cellpadding="5">
<tr>
<th>Day</th>
<th>Subject</th>
</tr>
<tr>
<td>Monday</td>
<td>HTML Basics</td>
</tr>
<tr>
<td>Tuesday</td>
<td>CSS Basics</td>
</tr>
</table>

```

## 10. Creating a Form

```

<h2>Contact Me</h2>
<form>
<label for="name">Name:</label>
<input type="text" id="name" name="name"><br><br>

<label for="email">Email:</label>
<input type="email" id="email" name="email"><br><br>

<label for="message">Message:</label><br>
<textarea id="message" name="message"></textarea><br><br>

<input type="submit" value="Send">
</form>

```

## 11. Close the Tags

```

</body>
</html>

```

## Task for Students

- Follow each step exactly.
- Replace placeholder text (like “Your Name” or `image.jpg`) with your own content.
- Save the file and open it in a web browser to see your page.
- Experiment by changing text, colors, and styles.

## Expected Output

A simple, fully functional HTML page containing:

- A title and meta tags
- Formatted text
- Lists
- Comments (in the source code)
- A clickable link
- Embedded image, audio, and video
- <div> and <span> styling
- A table
- A form

#### Rubric – HTML Basics

Criteria	Excellent (5)	Good (4)	Fair (3)	Needs Improvement (1-2)
<b>File Naming &amp; Structure</b>	Correct file name (my_first_webpage.html) and proper folder structure	Correct file name but minor folder issues	Incorrect file name but HTML present	Incorrect file name and poor structure
<b>HTML Syntax</b>	All tags correctly used, properly opened/closed, well-indented	Few minor syntax errors but functional	Multiple syntax errors, some elements not displaying	Many syntax errors, page not functioning
<b>Content Completeness</b>	All required sections present (head, body, formatting, lists, comments, anchors, multimedia, div/span, tables, forms)	Missing 1–2 required sections	Missing 3–4 required sections	Missing more than 4 required sections
<b>CSS Styling (if applied)</b>	Creative and consistent styling applied, enhancing readability	Styling applied but inconsistent	Minimal styling applied	No styling applied
<b>Presentation &amp; Readability</b>	Very well-presented, clear formatting, and easy to read	Good formatting but could improve	Formatting inconsistent,	Poor presentation, difficult to

		alignment/spa cin g	hard to follow in parts	read
--	--	------------------------	-------------------------------	------

**Total Score:** /25

**Passing Score:** 15

**Prepared by:** RMB

*"The more you code, the more you grow — practice makes progress, not perfection."*