

# HTML & CSS Lab Manual – CSCL 1108

## CSCL 1108 - Introduction to Computer Science Lab

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**Program:** BS Computer Science (BSCS)

**Semester:** 1st Semester

**Instructor:** Almeerah Saleem

**Academic Year:** Fall 2025

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### General Notes

- Replace all 251XXXX with your actual Registration ID.
  - Use **VS Code** for all exercises.
  - Save each file in a clearly named folder (for example, html\_lab\_251XXXX).
  - All work must be **pushed to your GitHub repository** after completion.
  - Anything inside `<!-- -->` is a **comment** in HTML (used to explain code).
  - Type your code manually do not copy-paste from online examples.
  - Use **Live Preview** or **Open with Browser** to test your pages.
  - AI tools are not allowed in any project, lab task, or exam.
- 

### Submission

- Each lab part should be committed and pushed to your GitHub repository under its own folder (e.g., part1\_html\_basics, part2\_text\_tags, etc.).
  - Each commit must include proper message.
  - The final HTML + CSS project will also be uploaded to GitHub before mid exam.
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# Part 1: Introduction to HTML

## Concept

HTML (HyperText Markup Language) is the foundation of every web page. It structures content using **tags**, which tell the browser how to display information. Every HTML document has a **basic structure** a head (information about the page) and a body (the visible part).

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## HTML Page Structure

```
<!DOCTYPE html>
<html>
<head>
  <title>My First Web Page</title>
</head>
<body>
  <h1>Hello, World!</h1>
  <p>This is my very first web page.</p>
</body>
</html>
```

## Explanation:

- `<!DOCTYPE html>` → Tells the browser this is an HTML5 document.
  - `<html>` → Root tag containing the entire page.
  - `<head>` → Holds meta info, title, and links to styles/scripts.
  - `<body>` → Displays all visible content.
  - `<h1>` → Main heading.
  - `<p>` → Paragraph.
- 

## Lab Task

- Open VS Code and create a new file named: **intro\_251XXXX.html**
  - Type the above code manually.
  - Change the `<title>` to your full name and Reg ID.
  - Modify the `<h1>` to say: **“Welcome to My Web Page – 251XXXX”**
  - Add another paragraph about yourself.
  - Save and open the page in your browser.
- 

## Task

- Add another heading `<h2>` that says “My Learning Goals.”
  - Add a short paragraph about what you hope to learn in this course.
  - Try adding a line break (`<br>`) or horizontal line (`<hr>`).
- 

# Part 2: Working with Text in HTML

## Concept

Most web pages are made of **text content**, organized using headings, paragraphs, and lists.

HTML gives us different tags to represent structure and meaning, not just appearance.

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## Common Text Tags

Tag	Description	Example
<h1> to <h6>	Headings (h1 is largest)	<h2>My Page Title</h2>
<p>	Paragraph	<p>This is a paragraph.</p>
<b> or <strong>	Bold text	<b>Important</b>
<i> or <em>	Italicized text	<i>Note this</i>
<u>	Underlined text	<u>Highlighted</u>
 	Line break	First line Second line
<hr>	Horizontal line	<hr>
<ul>	Unordered list (bullets)	<ul><li>Item</li></ul>
<ol>	Ordered list (numbers)	<ol><li>Step 1</li></ol>
<li>	List item	<li>Milk</li>

## Semantic Text Tags

Semantic tags describe *meaning* rather than just appearance.

Tag	Meaning	Example
<strong>	Important text	<strong>Warning!</strong>
<em>	Emphasized text	<em>Note carefully.</em>
<mark>	Highlighted text	<mark>Key point</mark>
<small>	Smaller text	<small>© 2025</small>
<blockquote>	Quoted text	<blockquote>Famous quote...</blockquote>

## Lab Task

Create a new file named **texttags\_251XXXX.html**

Add a proper HTML structure (<!DOCTYPE html>, <html>, <head>, <body>).

Inside <body>, add the following:

- A main heading (<h1>My First HTML Text Page</h1>)
- A paragraph about your favorite subject.
- A subheading (<h2>Things I Like</h2>) followed by an unordered list of at least 3 items.
- Another subheading (<h2>Daily Routine</h2>) followed by an ordered list of 3–5 steps.
- Add one **horizontal line** (<hr>) between sections.
- Experiment with **bold**, **italic**, and **underline** inside one paragraph.
- Save and open in your browser.

## Task

- Add a <blockquote> with a quote you like.
- Add <mark> around a word in your paragraph to highlight it.
- Add a <small> line at the bottom that says:  
“Created by 251XXXX”

## Part 3: Hyperlinks and Images

### Concept

Hyperlinks connect one page to another they're the backbone of the web.

Images, meanwhile, make content visual and engaging.

HTML provides tags to easily add both.

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### Hyperlinks

The hyperlink tag is `<a>` (anchor).

It requires the `href` attribute to specify the destination.

```
<a href="https://www.w3schools.com">Visit W3Schools</a>
```

---

Attribute	Description	Example
<code>href</code>	Destination URL	<code>&lt;a href="https://github.com"&gt;GitHub&lt;/a&gt;</code>
<code>target="_blank"</code>	Opens link in new tab	<code>&lt;a href="https://szabist.edu.pk" target="_blank"&gt;SZABIST&lt;/a&gt;</code>
<code>mailto:</code>	Opens email app	<code>&lt;a href="mailto:name@email.com"&gt;Email Me&lt;/a&gt;</code>
<code>title</code>	Tooltip text	<code>&lt;a href="#" title="Click to open"&gt;Hover me&lt;/a&gt;</code>

---

### Images

The image tag is `<img>` it does not need a closing tag.

```

```

---

Attribute	Description	Example
<code>src</code>	File path or URL of image	<code>src="images/photo.png"</code>
<code>alt</code>	Alternate text (for screen readers or errors)	<code>alt="Profile picture"</code>
<code>width, height</code>	Set size of image	<code>width="250"</code>
<code>title</code>	Shows text on hover	<code>title="My Photo"</code>

---

#### Tip:

If your image is in a subfolder, use a **relative path**:

```

```

If you use an online placeholder:

```

```

---

### Lab Task

- Create a file named **links\_251XXXX.html**.
  - Add a proper HTML structure.
  - Inside `<body>`, include the following:
  - Heading: "My Links and Images"
  - Paragraph describing your interests.
  - Add **three hyperlinks**:
    - One to your favorite website.
    - One to `mailto:your_email@example.com`
    - One to your GitHub profile (use your actual GitHub link).
  - Add one **image** (either a local file or a placeholder URL).
  - Add an **alt attribute** for accessibility.
  - Add `<hr>` after the image.
- 

### Common Mistakes

Forgetting to close `<a>` tags.

Not using quotes around attribute values.  
Using \ instead of / in image paths.  
Forgetting the alt attribute (always required).

---

## Task

Add a link that opens your GitHub profile **in a new tab**.

Make the image itself clickable clicking it should open your GitHub profile:

```
<a href="https://github.com/YourUsername" target="_blank">  
    
</a>
```

Add a tooltip (title) to one of your links.

---

## Part 4: Tables and Forms in HTML

### Concept

Tables are used to organize data in rows and columns, while forms collect input from users.

In modern web design, tables are used for **data presentation**, not layout but understanding them is essential.

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### Table Structure

A basic HTML table uses these main tags:

Tag	Purpose
<table>	Starts the table
<tr>	Table row
<th>	Table header cell (bold by default)
<td>	Table data cell
<caption>	Optional table title

---

### Example

```
<!DOCTYPE html>
<html>
<head>
  <title>Student Table – 251XXXX</title>
</head>
<body>
  <h1>Student Information</h1>

  <table border="1" cellpadding="8" cellspacing="0">
    <caption>Class Details</caption>
    <tr>
      <th>Reg ID</th>
      <th>Name</th>
      <th>Email</th>
      <th>Program</th>
      <th>Section</th>
    </tr>
    <tr>
      <td>251XXXX</td>
      <td>Ali Khan</td>
      <td>alikh@example.com</td>
      <td>BSCS</td>
      <td>A</td>
    </tr>
    <tr>
      <td>251XXXX</td>
      <td>Sara Ahmed</td>
      <td>sara@example.com</td>
      <td>BSCS</td>
      <td>A</td>
    </tr>
  </table>
</body>
</html>
```

---

### Explanation

border adds visible borders (simple styling).  
cellpadding adds inner spacing inside cells.  
cellspacing adds space between cells.  
<th> cells are automatically **bold** and **centered**.

---

## Forms (Basic Introduction)

Forms are used to collect data.

They include elements like text boxes, dropdowns, checkboxes, etc.

Example:

```
<form action="#" method="post">
  <label for="name">Full 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>

  <input type="submit" value="Submit">
</form>
```

---

Tag	Description
<form>	Wraps input fields
<label>	Describes an input field
<input>	Accepts user input
<select>	Dropdown list
<textarea>	Multi-line input
<button>	Clickable button

---

## Lab Task

Create a new file named **tables\_251XXXX.html**.

Build a table with the following columns:

Reg ID | Name | Email | Program | Section | GitHub

Add your own details in one row.

Use border, cellpadding, and cellspacing attributes.

Below the table, create a simple form with:

- Full Name
- Email
- Program (dropdown with 3–4 options)
- Submit button

Save and open in browser.

---

## Common Mistakes

Missing closing tags (</tr>, </td>, etc.).

Forgetting quotes around attribute values.

Placing <form> tags inside tables incorrectly.

Using forms without labels.

---

## Task

- Add one more student row in your table.
- Use the <caption> tag to give your table a title.

- Add a new input field in your form for “Favorite Language.”
  - Try making one input field **required**:  
`<input type="text" name="fullname" required>`
-



# Part 5: Introduction to CSS

## Concept

CSS (**Cascading Style Sheets**) controls how HTML elements look their colors, fonts, borders, spacing, and layout.

While HTML gives *structure*, CSS gives *style*.

There are **three ways** to add CSS to a web page:

- **Inline CSS** – inside a tag (not recommended for full projects).
- **Internal CSS** – inside `<style>` tags in the `<head>`.
- **External CSS** – in a separate `.css` file (best practice).

---

## 1. Inline CSS

Directly add style to a tag.

```
<p style="color: blue; font-size: 18px;">This is a blue paragraph.</p>
```

Use **only for quick testing**, not full pages.

---

## 2. Internal CSS

Written between `<style>` tags inside the `<head>`.

```
<!DOCTYPE html>
<html>
<head>
<style>
  body {
    background-color: #f7f9ff;
    font-family: Arial, sans-serif;
  }
  h1 {
    color: #333333;
  }
</style>
</head>
<body>
  <h1>Welcome</h1>
  <p>This page uses internal CSS.</p>
</body>
</html>
```

---

## 3. External CSS

This is the **recommended** way.

All your CSS rules are written in a separate file (e.g., `style.css`).

**HTML file:**

```
<!DOCTYPE html>
<html>
<head>
  <title>My Styled Page</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <h1>Hello CSS!</h1>
  <p>This page is styled externally.</p>
</body>
</html>
```

**style.css:**

```
body {
  background-color: #f7f9ff; /* HEX code for a light blue shade */
  font-family: Verdana, sans-serif;
```

```

}
h1 {
  color: #003366;
  text-align: center;
}
p {
  color: #555555;
  font-size: 16px;
}

```

---

## Explanation of Key Elements

Property	Description	Example
color	Sets text color	color: blue;
background-color	Changes background	background-color: #f7f9ff;
font-family	Sets text font	font-family: Arial, sans-serif;
font-size	Adjusts text size	font-size: 18px;
text-align	Aligns text	text-align: center;
border	Adds border	border: 2px solid black;
margin	Space outside element	margin: 10px;
padding	Space inside element	padding: 10px;

---

## Lab Task

Create a folder named **css\_lab\_251XXXX**.

Inside it, create two files:

```

style_251XXXX.css
css_intro_251XXXX.html

```

Link the .css file in your HTML <head> using the <link> tag.

Add styles to your CSS file:

- Change the background color of the page.
- Center the heading.
- Make paragraph text gray and increase its font size.
- Add padding to the body (20px).
- Add a border around the heading (border: 2px solid black;).

Save and open in your browser.

---

## Common Mistakes

Forgetting to link the CSS file correctly (check folder path!).

Missing the ; at the end of each CSS rule.

Using wrong property names (CSS is case-sensitive).

Putting CSS code outside <style> in internal CSS.

---

## Task

- Add one more CSS rule to style all <h2> elements with a color of your choice.
  - Change the body font to a Google Font (like “Poppins” or “Open Sans”).
  - Experiment with different background colors using HEX codes (like #fce4ec, #e3f2fd, or #f9fbe7).
-

## Part 6: CSS Formatting and Layout (The Box Model)

### Concept

Every element in a web-page can be thought of as a **box**.

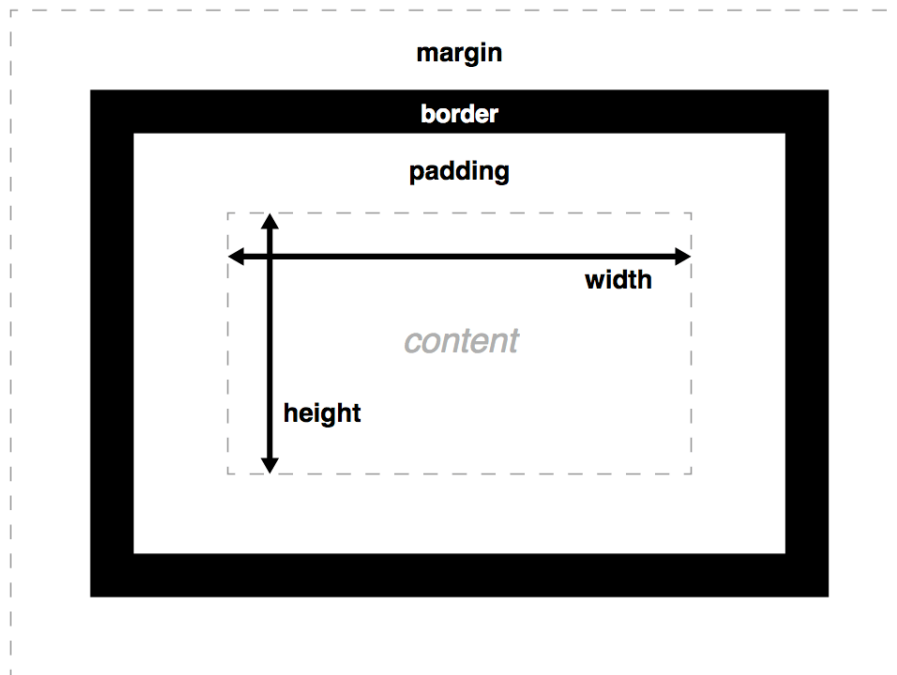
CSS lets you control the **size, spacing, borders, and background** of these boxes.

This concept is called the **Box Model**.

Each element's total space =

**content + padding + border + margin**

### Box Model Structure



### Common CSS Properties

Property	Description	Example
border	Adds a border	border: 2px solid black;
border-radius	Rounds corners	border-radius: 8px;
padding	Space inside element	padding: 15px;
margin	Space outside element	margin: 20px;
background-color	Sets background color	background-color: #f7f9ff;
width / height	Sets element size	width: 400px; height: 200px;
text-align	Aligns text inside box	text-align: center;
box-shadow	Adds soft shadow	box-shadow: 0 0 10px lightgray;

### Example

#### HTML:

```
<!DOCTYPE html>
<html>
<head>
  <title>Box Model Demo – 251XXXX</title>
  <link rel="stylesheet" href="boxmodel_251XXXX.css">
</head>
<body>
  <h1>Welcome to My Page</h1>
```

```
<div class="info-box">
  <h2>About Me</h2>
  <p>Hello! I am learning HTML and CSS at SZABIST.</p>
</div>
</body>
</html>
```

### CSS:

```
body {
  background-color: #f7f9ff; /* light blue */
  font-family: Arial, sans-serif;
  padding: 20px;
}

.info-box {
  background-color: white;
  border: 2px solid #003366;
  border-radius: 12px;
  padding: 20px;
  margin: 20px auto;
  width: 400px;
  box-shadow: 0 0 8px lightgray;
  text-align: center;
}
```

---

### Explanation

The `.info-box` is a *div container* styled as a box.

`margin: 20px auto;` centers it horizontally.

`border-radius` softens edges.

`box-shadow` gives a clean 3D effect.

---

### Lab Task

Create two files:

- `boxmodel_251XXXX.html`
- `boxmodel_251XXXX.css`

Build a simple info card (like the example).

Add a `<div>` with your name and Reg ID inside it.

Apply border, padding, background, and border-radius.

Center it on the page.

Add one more box below it with a small paragraph titled “My Goals.”

Save and open in browser.

---

### Common Mistakes

Forgetting to add `.` before class names in CSS (e.g., `.info-box`).

Using commas instead of semicolons in CSS.

Confusing margin and padding.

Forgetting to link CSS file correctly.

---

### Task

Add a subtle **box shadow** to both boxes.

Use `border-radius: 50%;` on a small image to make it circular.

Try text-align: justify; in your paragraph.  
Use different background shades for alternating boxes.

---

# Part 6.1: CSS Shorthand Properties & Effects

## Concept

Some CSS properties can take **multiple values in a single line**.

This is called **shorthand syntax**, and it helps you write cleaner, shorter code.

It's especially common for properties that deal with spacing, borders, or effects.

---

## 1. Box Shadow (Recap)

### Full syntax:

`box-shadow: offset-x offset-y blur-radius spread-radius color;`

You can control:

- Direction (x/y)
- Sharpness (blur)
- Size (spread)
- Color

### Examples:

```
/* Single soft shadow */
```

```
box-shadow: 5px 5px 15px 0 rgba(0,0,0,0.2);
```

```
/* Multiple shadows */
```

```
box-shadow: 3px 3px 5px gray, -3px -3px 5px lightgray;
```

---

## 2. Margin & Padding

Margin and padding accept **1 to 4 values**:

Number of Values	Meaning	Example
1	All four sides are the same	<code>margin: 10px;</code>
2	Top–Bottom and Left–Right	<code>margin: 10px 20px;</code>
3	Top, Left–Right, Bottom	<code>margin: 5px 10px 15px;</code>
4	Top, Right, Bottom, Left	<code>margin: 5px 10px 15px 20px;</code>

**Shortcut tip:** Think clockwise → **Top** → **Right** → **Bottom** → **Left** (TRBL)

Example:

```
padding: 10px 15px; /* vertical 10px, horizontal 15px */
```

```
margin: 20px; /* same on all sides */
```

---

## 3. Border

### Full syntax:

```
border: width style color;
```

### Examples:

```
border: 2px solid black;
```

```
border: 1px dashed #999;
```

```
border: 3px double blue;
```

You can also set individual sides:

```
border-top: 2px solid red;
```

```
border-bottom: 1px dotted gray;
```

---

## 4. Font & Background

### Font shorthand:

```
font: font-style font-weight font-size font-family;
```

Example:

```
font: italic bold 16px Arial;
```

### Background shorthand:

background: color image repeat position;

Example:

background: #f7f9ff url('bg.png') no-repeat center;

---

## 5. Transition (for hover effects)

**Full syntax:**

transition: property duration timing-function delay;

**Example:**

transition: all 0.3s ease;

This means “animate any property change over 0.3 seconds smoothly.”

---

### Quick Shortcut Summary

Property	Shorthand Example	Meaning
margin	margin: 10px 15px;	Top/Bottom 10px, Left/Right 15px
padding	padding: 5px 10px;	Vertical 5px, Horizontal 10px
border	border: 2px solid black;	All borders uniform
box-shadow	5px 5px 10px lightgray;	Offset shadow with blur
font	font: italic bold 16px Arial;	Style, weight, size, family
transition	transition: all 0.3s ease;	Smooth animation effect

---

### Extra Notes

**mailto:**

In HTML, mailto: is used to make an email link that opens the user’s email app.

<a href="mailto:student@szabist.pk">Email Me</a>

**<footer>**

Used to display page footnotes or copyright info.

<footer>Created by 251XXXX – SZABIST</footer>

**Tip:**

Use small text or gray color for footers:

```
footer {  
  text-align: center;  
  font-size: 12px;  
  color: gray;  
  margin-top: 20px;  
}
```

---

## Part 7: Personal Webpage – Mini Project

### Concept

Now that you know how to use **HTML structure** and **CSS styling**, it's time to create your own small webpage combining all major concepts.

### Objective

Design a **personal webpage** that includes your name, a short introduction, contact links, and a styled layout using CSS.

### Requirements

#### Files

- personalpage\_251XXXX.html
- personalpage\_251XXXX.css

#### Structure

Your webpage must include:

##### Header

- Contains your name and Reg ID.
- Styled with a background color.
- Text aligned to center.

##### About Me Section

- A short paragraph introducing yourself.
- Use one or more text formatting tags (<b>, <i>, <mark>).

##### Favorites Section

- A list of at least three favorite things (e.g., color, food, hobby).
- Each listed item styled differently (font color, size, or background).

##### Contact Section

- A simple link to your GitHub profile.
- An email link using mailto:.

##### Footer

- Centered text: Created by 251XXXX – SZABIST
- 

### CSS Styling

Use **at least five** of these properties:

- background-color
  - color
  - border
  - border-radius
  - font-family
  - margin
  - padding
  - text-align
  - box-shadow
  - width / height
- 

### Lab Task Steps

- Create both files in VS Code.
- Link your CSS file inside the <head>.
- Add content section by section (Header → About → Favorites → Contact → Footer).
- Style each section using class selectors.
- Open your HTML file in a browser and verify alignment and spacing.



---

## Task

- Add a light shadow or gradient to your header.
  - Create a hover effect for your GitHub link (a: hover).
  - Use border-radius: 50%; to make your profile image circular.
  - Add a transition so hover effects animate smoothly.
-

# Part 8: Final Styling Touches & Best Practices

## Concept

Professional developers write HTML & CSS that is not only functional but **clean, consistent, and visually balanced**.

This part teaches small refinements that make their work look neat and submission-ready.

---

## 1. Organize Your Code

Good organization = easier debugging and better teamwork later on.

### Tips:

Keep indentation consistent (use 2 or 4 spaces per level).

Always close your tags.

Use lowercase for all tag and attribute names.

Add meaningful comments.

### Example:

```
<!-- Header section -->
<header>
  <h1>My Portfolio</h1>
</header>
```

### In CSS:

```
/* Header styling */
header {
  background-color: #f7f9ff;
  padding: 15px;
}
```

---

## 2. Naming Conventions

Avoid random or generic names like .box1 or .div2.

Use **semantic, descriptive names** so you can understand your code weeks later.

### Example:

```
/* Poor naming */
.div1 { color: red; }

/* Better naming */
.header-title { color: red; }
```

---

## 3. Spacing & Alignment

Uniform spacing gives balance and professionalism.

### Checklist:

Ensure elements aren't touching screen edges.

Use consistent margin and padding.

Align text with text-align: left; or center; where suitable.

For wider layouts, use max-width to prevent stretched content.

```
body {
  margin: 0 auto;
  max-width: 800px;
  font-family: "Poppins", sans-serif;
}
```

---

## 4. Color & Contrast

Use color to **highlight**, not overwhelm.

Keep text readable dark text on light background or vice versa.

Use consistent colors throughout.

**Tip:**

Use HEX values (#f7f9ff), RGB (rgb(230, 230, 250)), or HSL (hsl(240, 100%, 97%)) but pick one style and stick to it.

---

## 5. Fonts & Readability

Fonts influence how professional your webpage looks.

**Tips:**

Choose clean fonts like Arial, Verdana, Poppins, Roboto.

Limit font sizes: headings (18–24px), paragraphs (14–16px).

Use line-height to add breathing space between lines.

```
p {  
  font-size: 16px;  
  line-height: 1.6;  
  text-align: justify;  
}
```

---

## 6. Using Hover Effects (Optional Enhancement)

Adding hover effects gives interaction and life to your webpage.

```
a {  
  color: #3366cc;  
  text-decoration: none;  
  transition: color 0.3s ease;  
}  
  
a:hover {  
  color: #ff6600;  
  text-decoration: underline;  
}
```

---

## 7. Consistent Footer & Header Design

Uniform headers and footers make your page feel complete.

```
header, footer {  
  background-color: #f1f1f1;  
  text-align: center;  
  padding: 10px;  
  border-radius: 5px;  
}
```

---

## 8. Validating and Testing Your Webpage

Before submitting, **always check**:

- No missing closing tags (</div>, </p>).
  - CSS is properly linked (<link rel="stylesheet"> path is correct).
  - The page works in multiple browsers (Chrome, Edge, Firefox).
  - Links open correctly and colors appear as intended.
- 

## 9. Task

**Task:**

Add a simple hover animation or border effect on your “Favorites” box.

Make it grow slightly or change color smoothly when hovered.

Example:

```
.favorites:hover {  
  transform: scale(1.02);
```

```
    box-shadow: 4px 4px 10px rgba(0, 0, 0, 0.2);
  }
```

**Hint:** Use the transition property for smoothness.

---

## 10. Submission Reminder

Before you submit:

- Ensure your code is clean and readable.
- Folder and file names match the required format (e.g., part8\_finaltouches\_251XXXX).
- Commit and push your folder to GitHub with a clear message:

```
git add .
git commit -m "Added final styling touches and best practices"
git push origin main
```

---

## VS Code Tips & Shortcuts

### Basic Shortcuts

Action	Shortcut	Description
Open new file	Ctrl + N	Create a new blank file
Open file	Ctrl + O	Open an existing file
Save file	Ctrl + S	Save current file
Save all files	Ctrl + K → S	Save all open tabs
Open folder/project	Ctrl + K → O	Open your project folder
Split screen view	Ctrl + \	View multiple files side-by-side
Toggle sidebar	Ctrl + B	Show or hide the left explorer bar
Comment / Uncomment line	Ctrl + /	Toggle comments in code
Format document	Shift + Alt + F	Auto-indent and tidy up your code
Duplicate line	Shift + Alt + ↓	Copy current line down
Delete line	Ctrl + Shift + K	Delete current line quickly
Wrap tag in HTML	Alt + W	Wrap selected text in an HTML tag (with Emmet enabled)
Open Live Server	Alt + L → Alt + O	Run and preview your webpage live in browser

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### Tips

Type **!** and press **Tab** or **Enter** → VS Code auto-generates a full HTML5 boilerplate (works if Emmet is active).

To quickly link your CSS:

Type **link** and press **Tab** → VS Code inserts `<link rel="stylesheet" href="">`.

Right-click the HTML file → **“Open with Live Server”** to preview instantly.

If your color code doesn't show a preview square ensure the file type is **.css** and the line ends with a semicolon.

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## Useful Extensions for Beginners

Extension	Author	Purpose
Live Server	Ritwick Dey	Instantly opens your HTML file in a browser and refreshes automatically when you save changes.

Extension	Author	Purpose
Image Preview	Kiss Tamás	Shows a small thumbnail when you hover over an image file path helps verify correct image links.
Open Browser Preview	Eno Yao	Opens a live web preview directly <i>inside</i> VS Code useful when external browser access is limited.
Prettier – Code Formatter	Prettier	Automatically formats your code for consistent indentation and spacing.
HTML CSS Support	ecmel	Suggests and auto-completes CSS class names in your HTML files.
Color Highlight	Sergii N.	Displays color boxes next to HEX, RGB, or HSL codes makes styling more visual.

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### Quick Setup Tip

After installing extensions:

Restart VS Code once.

Go to **Settings** → **Extensions** → **Manage** to enable/disable individually as needed.

Optional: turn on **Auto Save** (File → Auto Save) for faster workflow.

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