

Lab 03 - Visual Elements and Graphics

How this lab works (No Submission on LEA)

- **No upload required on LEA.** You will **show me your work live in class by the end of the lab session.**
- If you cannot complete the lab during class or are absent, you have a **maximum of one week more** to show me your work the following next class sessions (not during office hours).

What you must demo

1. **Your code** → Show your HTML, CSS, JavaScript, and Bootstrap setup (if applicable).
2. **Your browser output** → Show the page rendering correctly in the browser, including styling and any interactions (if included).

Check-out process

- **Same session:** Call me over during lab time to verify.
- **One-week extension:** Show me during the next class sessions (maximum in one week) if unfinished or absent.

Grading (pass / needs fix)

- **Pass** = all three demo items verified.
- **Needs fix** = one or more items missing. Must be completed and checked by the one-week deadline.

Trillium Media Design — CSS & Assets Integration

In this lab, you will take a plain three-page website and transform it into a styled, image-rich site. You'll create a CSS stylesheet, organize an images/ folder, link assets from both HTML and CSS, and reproduce the final look and feel provided. By the end, you'll understand how relative paths, external stylesheets, background images, and list markers work together.

What You'll Do

- Build the three final versions of the HTML pages: **index.html**, **services.html**, and **contact.html**
- Add styles to a dedicated CSS file: **trillium.css**
- Use the **images** folder to include all required graphics and link them from both HTML and CSS
- Ensure the final website visually matches the provided “*final*” mockup screenshots at the end of this lab

Starter Files (provided)

- **index.html** (starter)
- **services.html** (starter)
- **contact.html** (starter)
- **trillium.css** (empty file)
- **images** folder contains all required graphics:
 - trilliumbanner.jpg (header banner) / home.gif / services.gif / contact.gif (nav buttons) / trilliumgradient.png (page background) / trilliumbg.gif (h2 background icon) / trilliumfoot.gif (footer background) / favicon.ico (site icon)

File/Folder Structure (target)

```
project-root/  
|  
├─ index.html  
├─ services.html  
├─ contact.html  
├─ trillium.css  
└─ images/  
    ├─ favicon.ico  
    ├─ trilliumbanner.jpg  
    ├─ home.gif  
    ├─ services.gif  
    ├─ contact.gif  
    ├─ trilliumgradient.png  
    ├─ trilliumbg.gif  
    └─ trilliumfoot.gif
```

Step-by-Step Instructions

0- Set Up the Project

1. Download the **Lab 3 zip file** from Lea and unzip it on your computer.
2. Inside the unzipped folder, you will find:
 - Starter HTML files: **index.html**, **services.html**, **contact.html**
 - An empty CSS file: **trillium.css**
 - A folder named **images/** containing all the required graphics
3. Open these files in your code editor.
4. Your task is to **edit the HTML and CSS files** so that the site matches the final mockup shown at the end of this lab.

1) Link the stylesheet and favicon on all three pages

In **each** HTML file's **<head>**, add:

```
<link rel="icon" href="images/favicon.ico" type="image/x-icon" />
<link rel="stylesheet" href="trillium.css" />
```

2) Add the header banner image (HTML)

```
<header>
  <h1>
    
  </h1>
</header>
```

3) Replace text nav links with image buttons (HTML)

Inside **<nav>**, replace the anchor text with **image links**:

```
<nav>
  <a href="index.html"
    ></a>
  <a href="services.html"
    ></a>
  <a href="contact.html"
    ></a>
</nav>
```

4) Create the centered container (CSS)

In **trillium.css**, add rules for the #container element. This container centers the site in the browser, limits its width, and applies a light border and background color.

```
#container {  
  width: 80%;  
  margin-left: auto;  
  margin-right: auto;  
  border: 1px solid #ccc;  
  padding: 10px;  
  background-color: #f4ffe4;  
}
```

Wrap each page's entire visible content with:

```
<div id="container">  
  <!-- header, nav, main, footer go here -->  
</div>
```

5) Page background (CSS)

In **trillium.css**, apply a repeating gradient background to the entire page. Use the image **trilliumgradient.png** as the background. The text color is set to dark gray for readability

```
body {  
  color: #333333;  
  background-image: url(images/trilliumgradient.png);  
}
```

6) Heading styles and h2 icon (CSS)

In **trillium.css**, add styles for the <h1> and <h2> headings.

- The **h1** will have a green background, matching text color, and a fixed height for the banner.
- The **h2** will use a small background image (**trilliumbg.gif**) placed once on the left, with the background color filling the rest of the heading area. Padding is added on the left to create space between the image and the text.

```
h1 {  
  background-color: #d5edb3;  
  color: #5c743d;  
  height: 86px;  
}  
  
h2 {  
  background-color: #d5edb3;  
  color: #5c743d;  
  background-image: url(images/trilliumbg.gif);  
  background-repeat: no-repeat;  
  padding-left: 30px;  
}
```

7) Company name accent (CSS)

In **trillium.css**, style the inline company name:

```
.companyname { color: #5c743d;}
```

Use it in **index.html**:

```
<span class="companyname">Trillium Media Design</span>
```

8) Remove default image borders (CSS)

In **trillium.css**, add a rule for the **** element. By default, some browsers display borders around linked images. This rule removes those borders, so the images appear clean.

```
img { border-style: none; }
```

9) List marker image (custom bullets) for unordered lists (CSS)

In **trillium.css**, add this style for the **ul** element (you will have unordered list in the home and contact pages):

```
ul {  
  list-style-image: url(images/trillium.gif);  
}
```

Note: **list-style-image** works with **ul/ol**. It does **not** apply to **<dl>**. Your **services.html** description list will **not** show custom bullets—that's expected.

10) Footer background image (CSS)

In **trillium.css**, add rules for the **<footer>** element. This will place a decorative background image on the right side of the footer and set its height.

```
footer {  
  background-image: url(images/trilliumfoot.gif);  
  background-repeat: no-repeat;  
  background-position: right;  
  height: 75px;  
}
```


Common Pitfalls (read this!)

- **Wrong folder name or case:**
 - Must be **images/ (lowercase)**.
 - **Paths** are **case-sensitive** on many servers.
- **DL bullets:** list-style-image doesn't affect <dl>; only ul/ol. Your services.html descriptions won't show the trillium bullet—and that's correct.
- **Forgetting to wrap your web content with #container:** The site won't center and borders/padding won't apply.

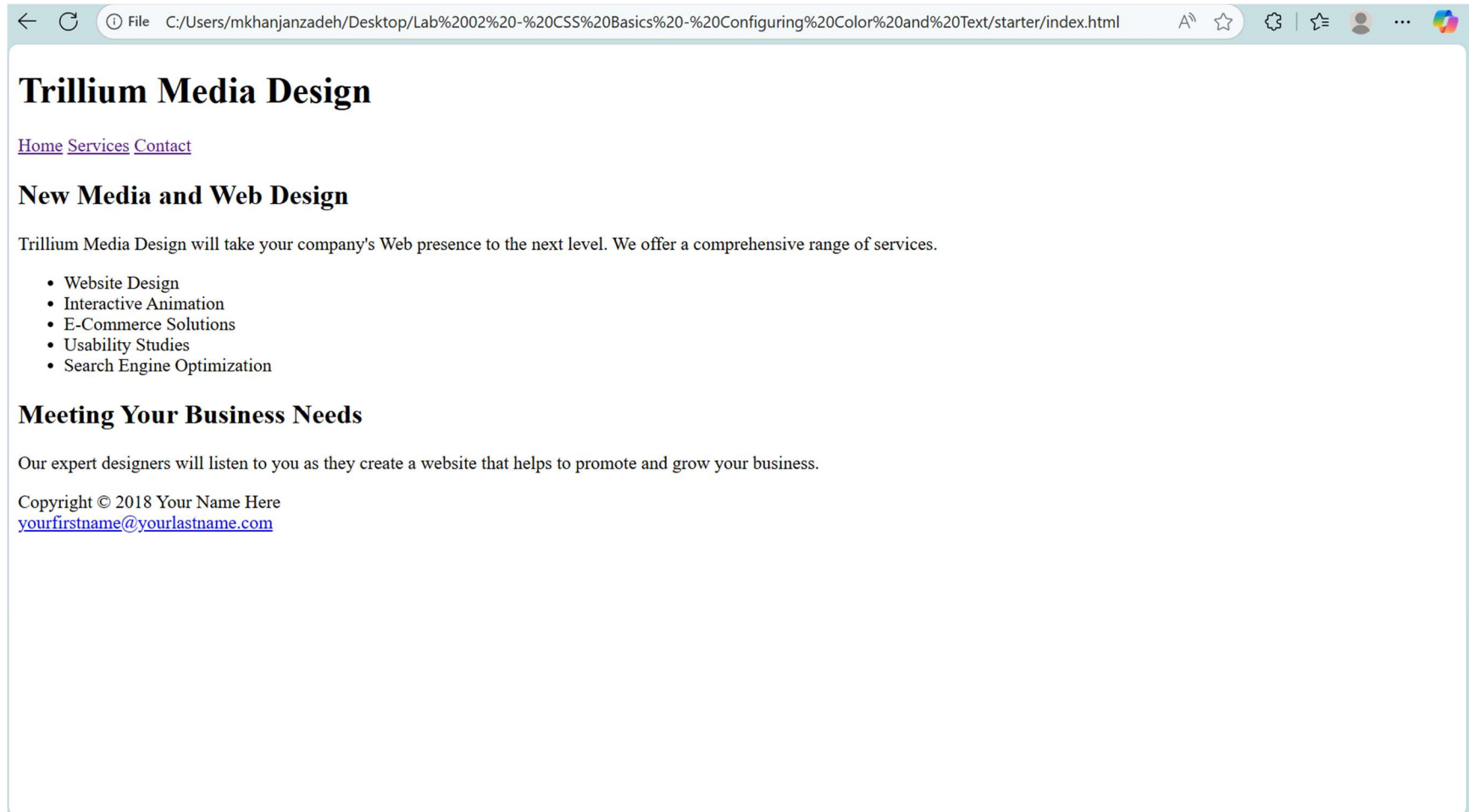
Deliverables

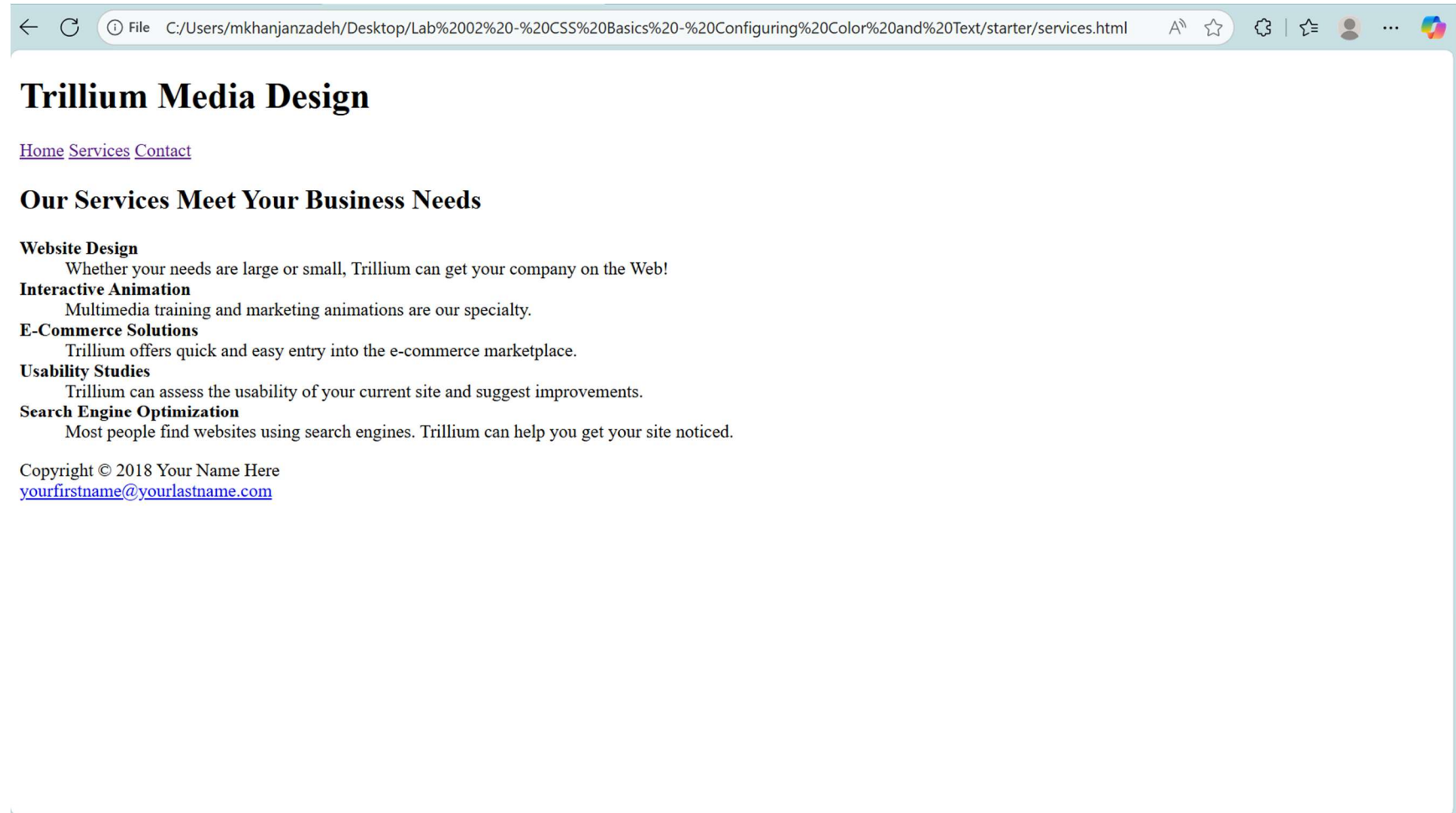
1. index.html, services.html, contact.html (with linked CSS and images)
2. trillium.css (as specified)
3. images/ folder with all required assets
4. Final site visually matching the reference

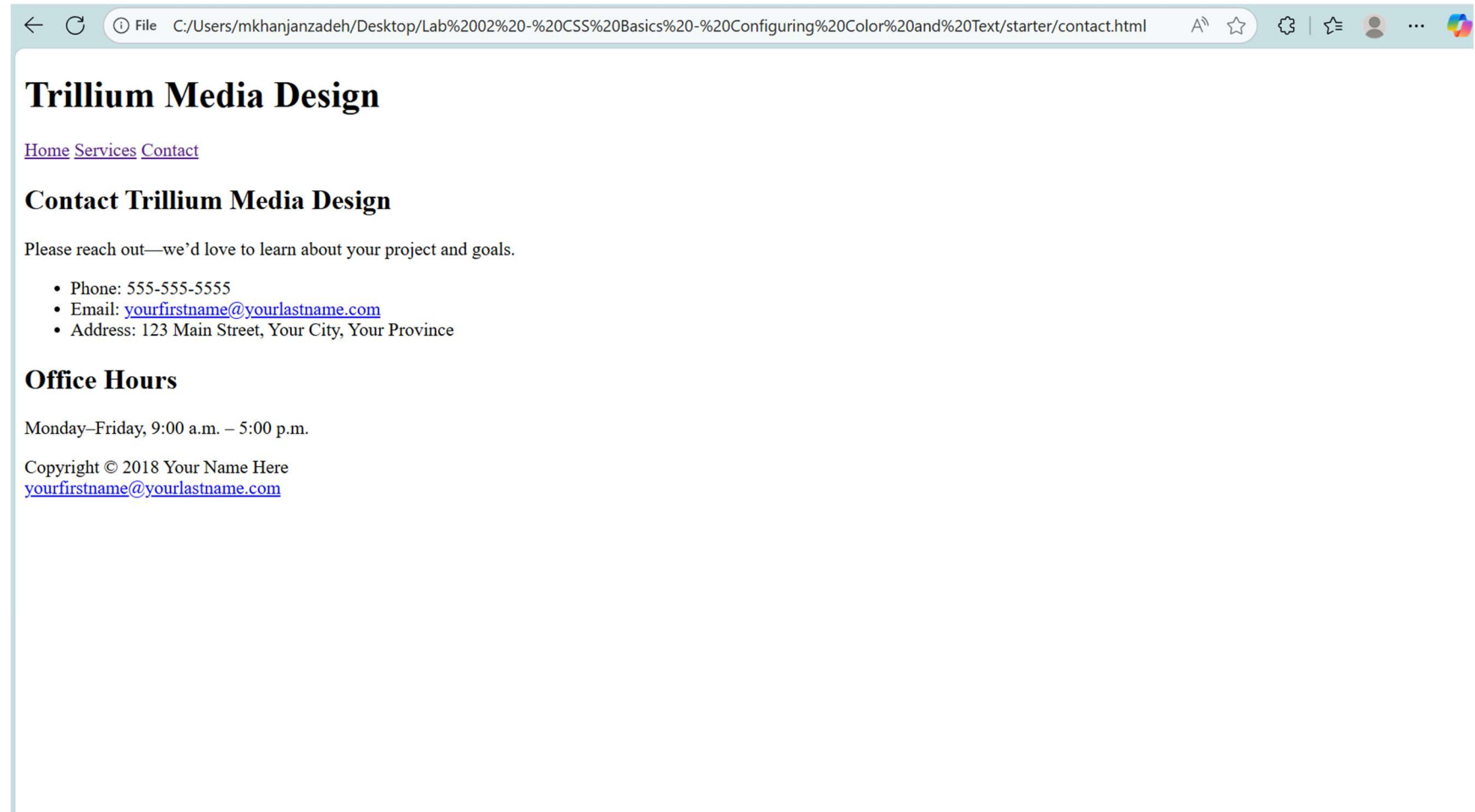
Screenshots

Starters Views

Rendered in Browser



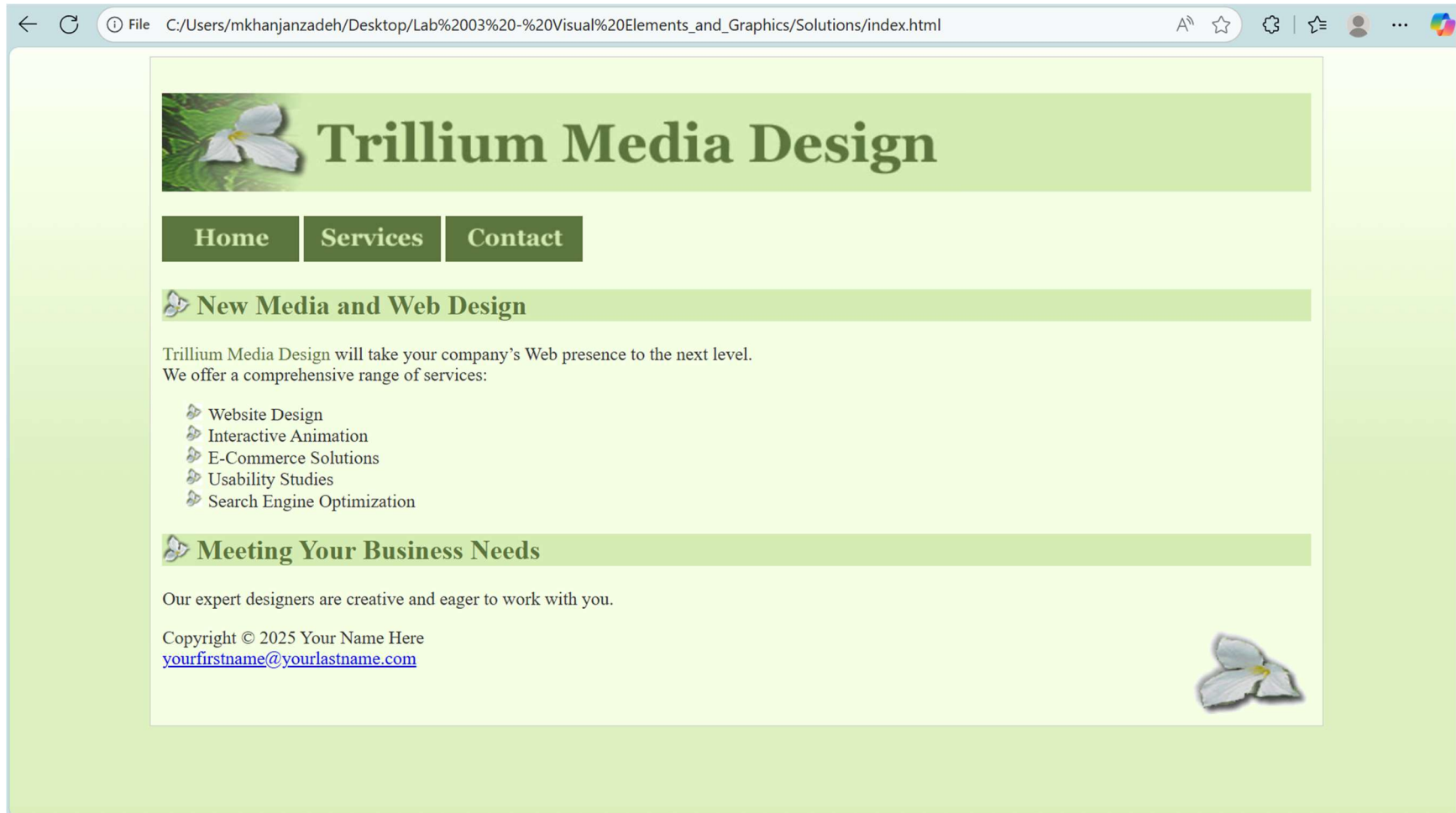


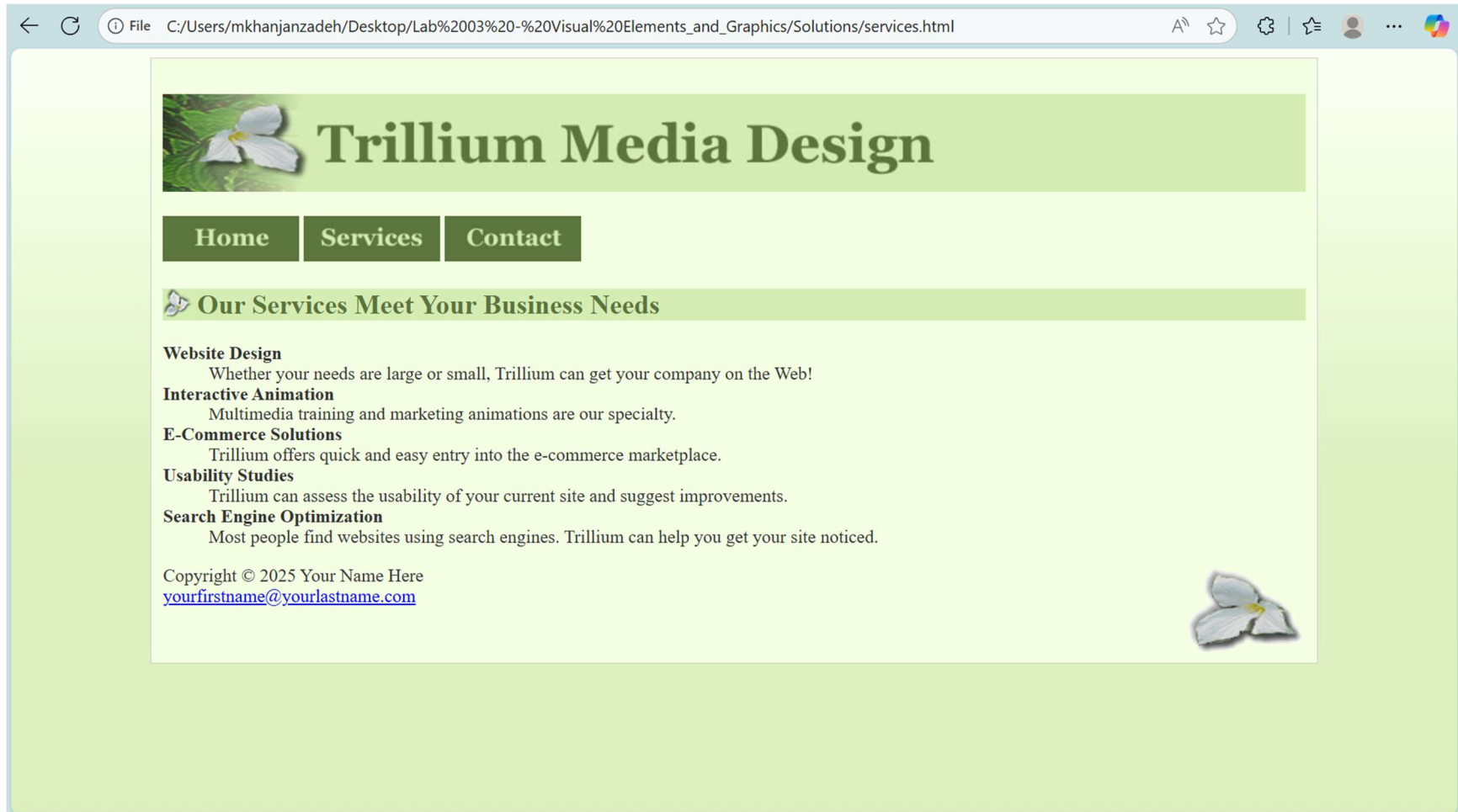


Screenshots

Final Views

Rendered in Browser







Trillium Media Design

[Home](#)[Services](#)[Contact](#)

Contact Trillium Media Design

Please reach out—we'd love to learn about your project and goals.

- Phone: 555-555-5555
- Email: yourfirstname@yourlastname.com
- Address: 123 Main Street, Your City, Your Province



Office Hours

Monday–Friday, 9:00 a.m. – 5:00 p.m.

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yourfirstname@yourlastname.com

