Front-End UI/UX Mini Project

Local Business Homepage

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- **Course**: *UI/UX Design Fundamentals*

- **Instructor Name**: *Mr. Dhiraj*

- **Institution**: *Christ University*

- **Date of Submission**: *11/08/2025*

Abstract

- This project is a simple static product listing page created for the **UI and UX Design** course at Christ University.

- It showcases multiple products with their images and prices in a clean and minimal layout.

- There is **no backend, no payment gateway, and no JavaScript functionality** — this is purely a design project.

Objectives

- Design a user-friendly interface using modern UI principles

- Develop a fully responsive layout using only HTML and CSS

- Implement structured HTML5 semantic elements

- Apply CSS styling for branding, layout, and responsive behavior

- Ensure accessibility and readability across devices

4. Scope of the Project

- Focused on front-end design only

- No JavaScript or server-side integration

- Intended for desktop, tablet, and mobile viewports

- Used only open-source tools and pure code (no libraries)

Tools & Technologies Used

Tool/Technology	Purpose
HTML5	Markup and content structure
CSS3	Styling and layout management
VS Code	Code editor
Chrome DevTools	Testing and debugging

HTML Structure Overview

- Used semantic tags: <header>, <nav>, <main>, <section>, <footer>
- Structured into reusable sections: Home, About, Contact

CSS Styling Strategy

- Used external CSS file (style.css)
- Organized with comments and sections
- Techniques used:
    - Flexbox and Grid for layout
    - Media Queries for responsiveness
    - CSS Variables for theme customization
    - Hover effects and transitions
    - Mobile-first design approach

Key Features

Feature	Description
Responsive Design	Adapts seamlessly to all screen sizes
Smooth Navigation	Fixed top nav with anchor links
Project Cards	Flex-based layout with hover effects
Accessible Fonts & Colors	High contrast and readable typography

Challenges Faced & Solutions

Challenge	Solution
Overlapping elements on small screens	Used media queries to stack elements
Difficulty aligning items using float	Shifted to Flexbox and Grid
Typography scaling issue	Used relative units (em/rem) instead of px

Outcome

- Achieved a clean, consistent, and visually engaging front-end layout

- All key components function as intended using just HTML and CSS

- Learned about layout responsiveness and UI hierarchy in depth

- Displays product images with names and prices

- Clean, minimal, and easy-to-read layout

- Styled using CSS for better visual appeal

- Fully static — works by just opening in a browser

Future Enhancements

- Add JavaScript for interactivity (form validation, dynamic content)

- Integrate animations or transitions

- Backend integration for form submission

- Theme toggler (light/dark mode)

Sample Code

```
3    <head>
4        <meta charset="UTF-8" />
5        <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
6        <title>San Naturals - Home</title>
7        <link rel="stylesheet" href="style.css">
8    </head>
9    <body>
10
11   <header>
12       <h1>San Naturals</h1>
13   </header>
14
15   <nav>
16       <!-- top nav -->
17       <a href="index.html">Home</a>
18       <a href="about.html">About</a>
19       <a href="contact.html">Contact</a>
20   </nav>
21
22   <!-- banner image -->
23   <div class="banner">
24       <img src="products.png" alt="Banner">
25   </div>
26
27   <hr>
28
29   <h2>Our Hair Products</h2>
30
31   <!-- product grid -->
32   <div class="products-row">
33       <div class="products-class">
34           <img src="prod1.png" alt="Anti Dandruff Shampoo">
35           <h3>Anti Dandruff Shampoo</h3>
36           <a class="buy-btn" href="product1.html">Buy Now</a>
37       </div>
38       <div class="products-class">
39           <img src="prod2.png" alt="Anti Hairfall Shampoo">
40           <h3>Anti Hairfall Shampoo</h3>
41           <a class="buy-btn" href="product2.html">Buy Now</a>
42       </div>
43       <div class="products-class">
44           <img src="prod3.png" alt="Silky Smooth Conditioner">
45           <h3>Silky Smooth Conditioner</h3>
46           <a class="buy-btn" href="product3.html">Buy Now</a>
47       </div>
48       <div class="products-class">
49           <img src="prod4.png" alt="Damage Repair Conditioner">
50           <h3>Damage Repair Conditioner</h3>
51           <a class="buy-btn" href="product4.html">Buy Now</a>
52       </div>
```

Homepage

```
1    <!DOCTYPE html>
2    <html lang="en">
3    <head>
4        <meta charset="UTF-8" />
5        <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
6        <title>About Us - San Naturals</title>
7        <link rel="stylesheet" href="style.css">
8    </head>
9    <body>
10
11   <header>
12       <h1>San Naturals</h1>
13   </header>
14
15   <nav>
16       <!-- nav links top bar -->
17       <a href="index.html">Home</a>
18       <a href="about.html">About</a>
19       <a href="contact.html">Contact</a>
20   </nav>
21
22   <div class="about_section">
23       <h2>About Us</h2>
24
25       <!-- section for goal -->
26       <div class="section">
27           <h3>Our Goal</h3>
28           <p>We make hair care that's simple, natural, and actually works. No big chemical words, no hidden weird stuff — just clean ingredients for healthy hair and a happy planet.</p>
29       </div>
30
31       <!-- section for difference -->
32       <div class="section">
33           <h3>What Makes Us Different</h3>
34           <p>We keep it real — what's on the label is exactly what's inside. Every bottle is nature's good stuff, no toxins, no nonsense.</p>
35       </div>
36
37       <!-- section for who we are -->
38       <div class="section">
39           <h3>Who We Are</h3>
40           <p>Started by San, we're just people who got tired of hair products full of junk. We mix science, sustainability, and nature to make shampoos and conditioners your hair will love.</p>
41       </div>
42   </div>
43
44   </body>
45   </html>
```

About

```html
 5        <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
 6        <title>Contact Us - San Naturals</title>
 7        <link rel="stylesheet" href="style.css">
 8    </head>
 9    <body>
10
11    <header>
12        <h1>San Naturals</h1>
13    </header>
14
15    <nav>
16        <!-- nav links -->
17        <a href="index.html">Home</a>
18        <a href="about.html">About</a>
19        <a href="contact.html">Contact</a>
20    </nav>
21
22    <div class="about_section">
23        <h2>Contact Us</h2>
24
25        <!-- little intro -->
26        <div class="section">
27            <h3>Talk to Us</h3>
28            <p>Got a question? Wanna say hi? Need help picking a product? We're here for all that.</p>
29        </div>
30
31        <!-- google map -->
32        <div class="section">
33            <iframe src="https://www.google.com/maps/embed?pb=!1m18..." width="100%" height="450" style="border:0;" allowfullscreen loading="lazy"></iframe>
34        </div>
35
36        <!-- contact details -->
37        <div class="section">
38            <h3>How to Reach</h3>
39            <p><b>Email:</b> support@sannaturals.com</p>
40            <p><b>Phone:</b> +91 1234567890</p>
41            <p><b>Address:</b> San Naturals, Bengaluru, India</p>
42        </div>
43
44        <!-- form part -->
45        <div class="section contact_form">
46            <h3>Send a Message</h3>
47            <form>
48                <input type="text" placeholder="Your Name" required>
49                <input type="email" placeholder="Your Email" required>
50                <textarea rows="6" placeholder="Your Message" required></textarea>
51                <button type="submit">Send</button>
52            </form>
53        </div>
54    </div>
```
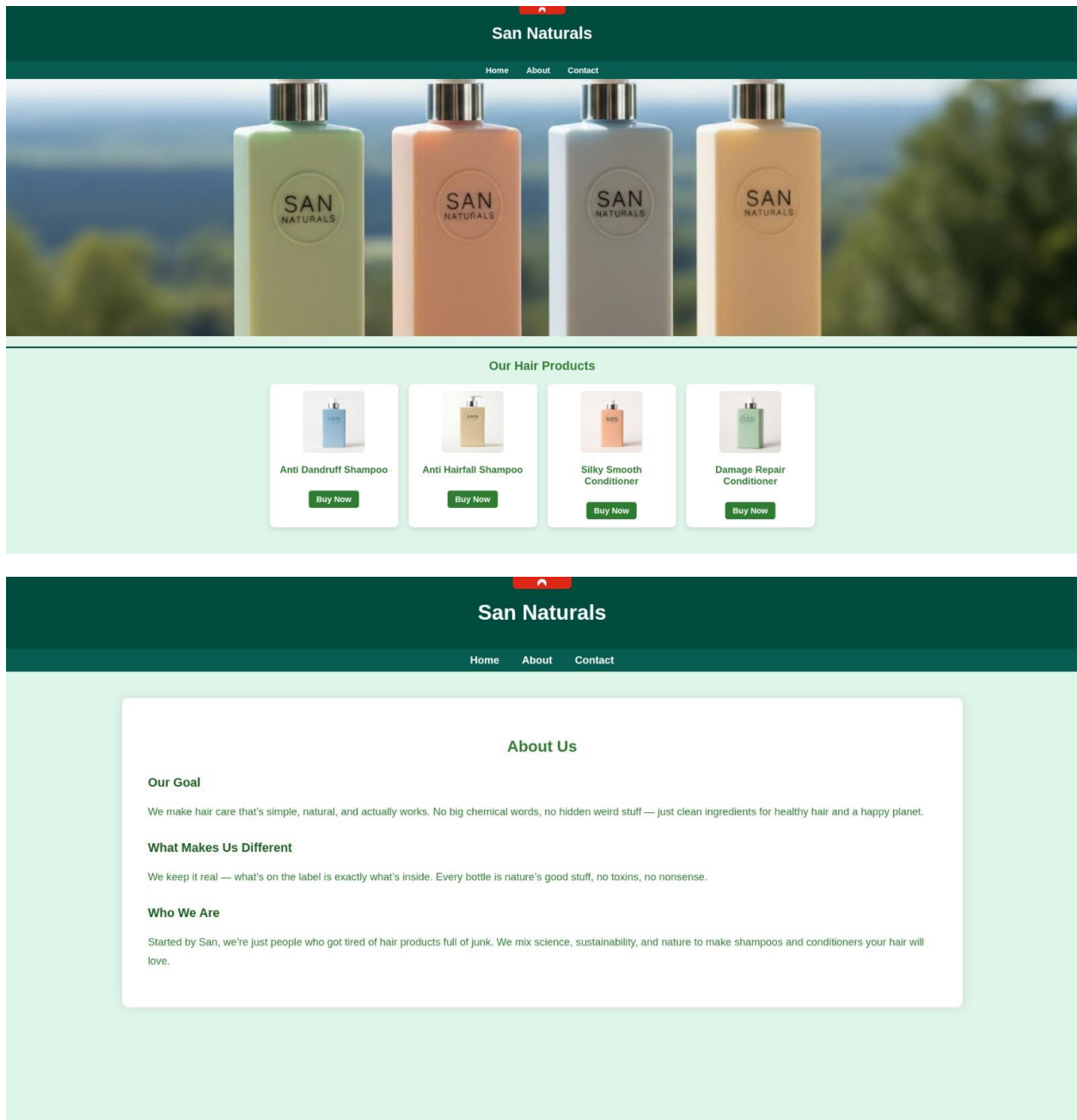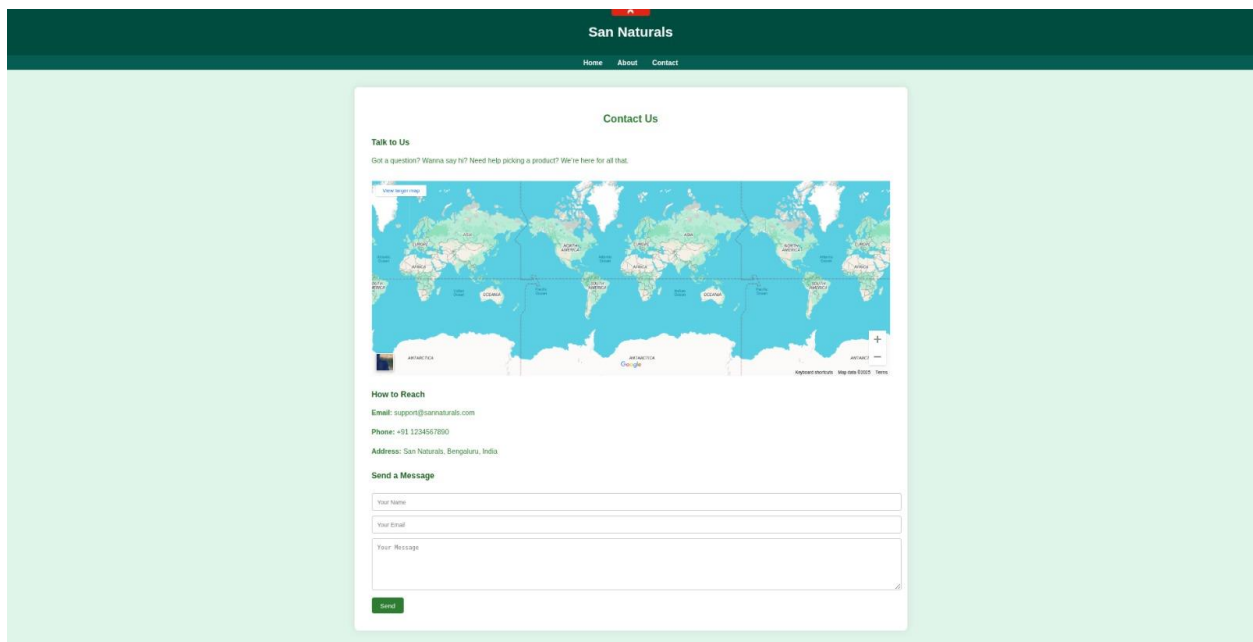
Contact

Screenshots of Final Output

Conclusion

This is a local business website that showcases the products available, their price, and details about the business, owner, and co-founders. It also allows users to send their feedback. This mini-project helped us strengthen our front-end development skills by using only HTML and CSS. We gained practical insights into responsive design, layout structuring, and user interface aesthetics. The hands-on implementation of design principles also enhanced our understanding of user-centric web design.

12. References

- L&T LMS : https://learn.lntedutech.com/Landing/MyCourse

- https://devdocs.io

- https://developer.mozilla.org/en-US/