

## **Web technologies1**

### **Project Report**

**LEVEL 6**

**By/**

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## Introduction

- This project aims to design and develop a dynamic website for **Liograsella Café**, a fictional coffee shop that combines elegance with simplicity. The goal of the project is to create an interactive and user-friendly web platform where customers can explore the café's offerings, place orders, and learn more about its story and products.
- The website was built using core web technologies including **HTML, CSS, and JavaScript**, and consists of multiple pages such as **Home, Menu, Order, About Us, Contact, and Coffee Beans**. Each page was carefully designed to reflect the brand's identity, provide a smooth user experience, and ensure responsiveness across devices.
- This report documents the planning, structure, styling, and logic behind each section of the website, and reflects the practical application of web development techniques learned in the Web Technologies course.

## Home page

```
<head>

    <title>Liograsella</title>
    <link rel="stylesheet" href="style.css">

</head>
```

Links the HTML file to the external CSS file for page styling and layout.

```
<ul>
    <li><a href="home.html">Home</a></li>
    <li><a href="menu.html">Menu</a></li>
    <li><a href="order.html">Order</a></li>
    <li><a href="about.html">About</a></li>
    <li><a href="contact.html"> Contact</a></li>
    <li><a href="beans.html">Beans</a></li>

</ul>
```

This is the main navigation menu. It allows users to move between the key pages of the website (Home, Menu, Order, About, Contact, Beans). It is placed in the `<header>` section to ensure it is accessible from the top of every page. Using `<ul>` and `<li>` creates a clean and semantic structure for styling the navigation bar with CSS.

```
<div class="logo-container">
    
    <span class="site-name">Liograsella</span>
</div>
```

Displays the café logo next to the name inside the header at the top of the page.

```
<main>
  <p class="welcome-line">Welcome to</p>
  
  <p class="tagline">Your cozy spot for coffee, desserts, and good vibes ✨</p>
  <a href="menu.html" class="start-btn">Start Order</a>
</main>
```

Welcome section in the homepage center with the logo and a short description of the café.

---

```
<a href="menu.html" class="start-btn">Start Order</a>
```

A button that redirects the user to the Menu page to begin placing an order, with animation effect.

---

```
<footer>
  <p>Contact us: liograsella@email.com</p>
  <p>Phone: +966 555 555 555</p>
  <p>© 2025 Liograsella</p>
</footer>
```

```
<footer>
```

```
...
```

```
</footer>
```

The footer section contains contact information like email and phone number.

---



Home Menu Order About Contact Beans

# Welcome to



Your cozy spot for coffee, desserts, and good vibes ☕

[Start Order](#)

Contact us: liograsella@email.com

## Menu page

```
<h2>Our Signature Desserts</h2>
```

Section heading for dessert items.

---

```
<div class="item">
  
  <h3>Lemon Lavender Tart</h3>
  <p class="price">SAR 21</p>
  <p>Elegant buttery tart infused with lemon zest and a floral lavender touch.</p>
</div>
```

Displays one dessert item including its image, name, price, and description.

---

```
<h2>Drinks – Hot & Iced</h2>
```

Section heading for drinks menu including hot and iced versions.

---

```
<div class="item">
  <h3>Black Coffee</h3>
  <div class="drink-images">
    <div class="drink-option">
      
      <p>Hot</p>
    </div>
    <div class="drink-option">
      
      <p>Iced</p>
    </div>
  </div>
</div>
```

Displays two versions (hot and iced) of the same drink side by side with labels.

**LGR Liograsella**

Home Menu Order About Contact Beans

**Our Signature Desserts**

  
**Lemon Lavender Tart**  
SAR 21  
Elegant buttery tart infused with lemon zest and a floral lavender touch.

  
**French Macarons**  
SAR 19  
Colorful almond meringue cookies with silky fillings: rose, vanilla, pistachio.

  
**San Sebastian Cheesecake**  
SAR 23  
Buttery, creamy cheesecake with caramelized top and soft melt-in-mouth center.

**Drinks - Hot & Iced**

**Black Coffee**  
  
Hot Iced  
Pure, bold coffee made from 100% Arabica beans. Choose hot or iced.

**Latte**  
  
Hot Iced  
Espresso with steamed milk and light foam. Customizable with flavor.

**Matcha Latte**  
  
Hot Iced  
Premium Japanese matcha blended with milk. Choose hot or iced.

Contact us: liograsella@gmail.com  
Phone: +966 935 555 555  
© 2023 Liograsella

## Order page

```
<form class="order-form" action="thankyou.html" method="get">
```

Starts the form that sends user selections to the thank-you page after submission.

---

```
<label>Your Name:</label> <br>
<input type="text" name="name" required><br><br>
```

Input field where the user types their name (required to submit the form).

---

```
<!-- الحلويات ♡ -->
<h3>Desserts</h3>

<p><strong>Lemon Lavender Tart</strong></p>
<label>Quantity:</label>
<input type="number" name="tart_qty" min="0" value="0"><br><br>
```

<h3>Desserts</h3>

<!-- dessert items follow -->

Dessert section where users can choose quantities of available desserts.

---

```
<!-- المشروبات ☕ -->
<h3>Drinks</h3>

<p><strong>Black Coffee</strong></p>
<label>Quantity:</label>
<input type="number" name="black_coffee_qty" min="0" value="0">
<select name="black_coffee_temp">
    <option value="">-- Choose --</option>
    <option value="Hot">Hot</option>
    <option value="Iced">Iced</option>
</select><br><br>
```

Drink selection with quantity and a dropdown for choosing temperature (Hot or Iced).

---

```
<h3>Coffee Beans</h3>

<p><strong>Liograsella Signature Roast</strong></p>
<label>Quantity (250g bags):</label>
<input type="number" name="beans_signature_qty" min="0" value="0"><br><br>
```

Section for ordering coffee bean bags with quantity input.

---

```
<label>Notes:</label><br>
<textarea name="notes" rows="4" placeholder="Anything special?"></textarea><br><br>
```

Allows the user to add special notes to their order (optional).

---

```
<p><strong>Total:</strong> <span id="total"> SAR ٣</span></p>
```

Displays the total cost of the order, calculated dynamically using JavaScript.

## JavaScript Section

```
function updateTotal() {
    let total = 0;
    // الكميات من المدخلات
    const tartQty = document.querySelector('input[name="tart_qty"]').value;
    const macaronsQty = document.querySelector('input[name="macarons_qty"]').value;
    const cheesecakeQty = document.querySelector('input[name="cheesecake_qty"]').value;
    const blackQty = document.querySelector('input[name="black_coffee_qty"]').value;
    const latteQty = document.querySelector('input[name="latte_qty"]').value;
    const matchaQty = document.querySelector('input[name="matcha_qty"]').value;
    const signatureQty = document.querySelector('input[name="beans_signature_qty"]').value;
    const mochaQty = document.querySelector('input[name="beans_mocha_qty"]').value;
    // الحساب
    total += signatureQty * 45; // SAR 45 للبن الاول
    total += mochaQty * 48; // SAR 48 للبن الثاني
    total += tartQty * prices.tart;
    total += macaronsQty * prices.macarons;
    total += cheesecakeQty * prices.cheesecake;
    total += blackQty * prices.black;
    total += latteQty * prices.latte;
    total += matchaQty * prices.matcha;
    document.getElementById("total").textContent = "SAR " + total;
}
```

Calculates the order total based on quantities and updates the amount in real-time.

```
document.querySelectorAll('input').forEach(el => {
    el.addEventListener('input', updateTotal);
});
```

Listens for changes in quantity fields and recalculates the total instantly.

 Liograsella

Home Menu Order About Contact Beans

**Order Now**

Your Name:

**Desserts**

Lemon Lavender Tart  
Quantity:

French Macarons  
Quantity:

San Sebastian Cheesecake  
Quantity:

**Drinks**

Black Coffee  
Quantity:

— Choose —

Matcha Latte  
Quantity:

— Choose —

Coffee Beans

Liograsella Signature Roast  
Quantity (250g bags):

Dark Mocha Blend  
Quantity (250g bags):

Notes:

**Send Order**

Total: SAR 0

Contact us: liograsella@gmail.com

## Contact page

```
<h2>Contact Us</h2>  
<form id="contactForm">
```

Starts the contact form where users can submit their name, email, and message.

```
<label>Your Name:</label><br>  
<input type="text" required><br><br>
```

Input field for the user's name. It is required before submitting.

```
<label>Your Email:</label><br>  
<input type="email" required><br><br>
```

Email input field. It checks for proper email format and is also required.

```
<label>Your Message:</label><br>  
<textarea rows="4" placeholder="Write your message here..." required></textarea><br><br>
```

A message box where the user can type their inquiry or comment.

```
<button type="submit">Send Message</button>
```

Button to submit the form.

```
<p id="message" style="display: none; color: green; font-weight: bold;">  
| Thank you! Your message has been sent ✉  
</p>
```

Hidden success message that appears after form submission.

## JavaScript Functionality:

```
<script>
document.getElementById("contactForm").onsubmit = function(e) {
  e.preventDefault();
  document.getElementById("message").style.display = "block";
}
</script>
```

Prevents the default page reload on form submission and shows a thank-you message dynamically.



# Liograsella

[Home](#)   [Menu](#)   [Order](#)   [About](#)   [Contact](#)   [Beans](#)

## Contact Us

Your Name:

Your Email:

Your Message:

Write your message  
here...

[Send Message](#)

Contact us: liograsella@email.com

Phone: +966 555 555 555

## about page

```
<h2>About Us</h2>
```

Section heading that introduces the About page content.

---

```
:div class="about-box">
<p><strong>Liograsella</strong> is more than just coffee and dessert... it's a story of friendship and creativity!</p>
<p>Founded by three passionate computer science students - <strong>Raseel, Layan, and Wijdan</strong> - who turned their love for coffee into a digital dream ☕💻</p>
<p>At Liograsella, we believe in quality, good vibes, and sweet moments shared.</p>
<p>Our goal? To create the perfect cozy place where coffee meets code. Welcome to our world ❤️</p>
</div>
```

Container with several paragraphs that share the café's story and values.

<p>Founded by three passionate computer science students...</p>

Highlights the background and motivation behind creating the café and website.

<p>Our goal? To create the perfect cozy place where coffee meets code...</p>

Summarizes the vision and unique identity of the brand.



# Liograsella

[Home](#) [Menu](#) [Order](#) [About](#) [Contact](#) [Beans](#)

## About Us

Liograsella is more than just coffee and dessert... it's a story of friendship and creativity!

Founded by three passionate computer science students — **Raseel**, **Layan**, and **Wijdan** — who turned their love for coffee into a digital dream ☕️💻

At Liograsella, we believe in quality, good vibes, and sweet moments shared.

Our goal? To create the perfect cozy place where coffee meets code. Welcome to our world ❤️

Contact us: [liograsella@email.com](mailto:liograsella@email.com)

Phone: +966 555 555 555

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## Beans page

```
<h2>Our Premium Coffee Beans</h2>
```

Section heading for showcasing the café's exclusive coffee beans.

```
:div .beans-container>

:div .bean-item>
    img src="b1.png" alt="Liograsella Signature Roast"
    h3>Liograsella Signature Roast</h3>
    p>100% Arabica beans - slow roasted for a deep, smooth flavor.</p>
    p><strong>Price:</strong> SAR 45 (250g)</p>
    a href="order.html"><u>Order Now</u></a>
:div
```

Displays a single product card for one type of bean, including image, description, price, and order button.

```
<div .beans-container>
```

Container that arranges both coffee bean items side by side in a clean layout.

LGR Liograsella

Home Menu Order About Contact Beans

### Our Premium Coffee Beans



**Liograsella Signature Roast**  
100% Arabica beans – slow roasted for a deep, smooth flavor.  
Price: SAR 45 (250g)  
[Order Now](#)



**Dark Mocha Blend**  
Rich blend with chocolate notes, perfect for lattes and cappuccinos.  
Price: SAR 48 (250g)  
[Order Now](#)

Contact us: liograsella@email.com | +966 555 555 555

## thank you page

```
<h2>Thank You!</h2>
```

Main heading thanking the customer after placing an order.

---

```
<p>
| Your order has been received. We're brewing it with love ❤
</p>
<p>You'll hear from us soon. Until then, enjoy your day!</p>
```

Friendly confirmation messages shown after a successful order submission.

---

```
<li><a href="order.html">Order Again</a></li>
```

Navigation link that allows users to go back and place another order.



[Home](#) [Menu](#) [Order Again](#) [About](#) [Contact](#) [Beans](#)

Thank You!

Your order has been received. We're brewing it with love ❤️

You'll hear from us soon. Until then, enjoy your day!

Contact us: liograsella@email.com | +966 555 555 555

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## Css page

- ◆ 1. body

Properties:

background-color: #f2f2ec – soft beige background.

font-family: Arial, sans-serif – clean and readable text.

color: #333 – dark gray text color.

text-align: center – center-aligns content.

font-size: 20px – base font size.

padding/margin: 0 – removes default spacing.

Function:

Sets the base style and color for the whole website.

```
body {  
    background-color: #f2f2ec;  
    font-family: Arial, sans-serif;  
    color: #333;  
    text-align: center;  
    font-size: 20px;  
    padding: 0;  
    margin: 0;  
}
```

- ◆ 2. header + ul, li, a

Properties:

White background with bottom border.

Horizontal menu using display: inline.

No bullet points (list-style-type: none).

Styled links with bold black text.

Function:

Creates a clean, modern navigation bar at the top.

```
header {  
    background-color: white;  
    color: black;  
    padding: 25px 0;  
    border-bottom: 2px solid #ddd; /* خط يفصل الهايدر */  
}  
  
header ul {  
    list-style-type: none;  
    padding: 0;  
}  
  
header ul li {  
    display: inline;  
    margin: 15px;  
}  
  
header a {  
    text-decoration: none;  
    color: black;  
    font-weight: bold;  
}
```

### ◆ 3. .header-logo

Properties:

Fixed width and height (100px).

Spacing to the right.

Function:

Styles the small logo image inside the header.

```
header-logo {  
    width: 100px;  
    height: 100px;  
    margin-right: 30px;
```

◆ 4. .site-name

Properties:

Large serif font (50px).

Bold black color.

Function:

Displays the café or site name in an elegant way.

```
.site-name {  
    font-size: 50px;  
    font-weight: bold;  
    color: black;  
    font-family: 'Georgia', serif;  
}
```

◆ 5. .welcome-line

Properties:

Big welcoming text (80px), spacing, and animation.

Function:

Eye-catching animated welcome message when page loads.

```
✓ .welcome-line {  
    font-size: 80px;  
    color: black;  
    margin-top: 60px;  
    margin-bottom: 15px;  
    letter-spacing: 2px;  
    animation: fadeSlideUp 1.2s ease-out;  
}
```

◆ 6. .main-logo

Properties:

Centered image with fade-up animation.

Function:

Displays the main café logo with a smooth entrance effect.

◆ 7. @keyframes fadeSlideUp

Animation Steps:

Start: opacity: 0, translateY(30px)

End: opacity: 1, translateY(0)

Function:

Adds a smooth fade and slide-up animation to elements.

```
.main-logo {  
    width: 400px;  
    max-width: 90%;  
    display: block;  
    margin: 0 auto 40px;  
    opacity: 0;  
    animation: fadeSlideUp 1.2s ease-out;  
    animation-delay: 1s;  
    animation-fill-mode: forwards;  
}  
  
/* الحركة */  
@keyframes fadeSlideUp {  
    0% {  
        transform: translateY(30px);  
        opacity: 0;  
    }  
  
    100% {  
        transform: translateY(0);  
        opacity: 1;  
    }  
}
```

#### ◆ 8. .tagline

### Properties:

Small text (16px), subtle gray color.

Delayed animation.

## Function:

Adds a soft tagline under the welcome text.

```
.tagline {
    font-size: 16px;
    color: #555;
    margin-top: -10px;
    animation: fadeSlideUp 1.2s ease-out;
    animation-delay: 2s;
    animation-fill-mode: forwards;
    opacity: 0;
}

/* موجود مسبقاً بس للتأكيد */
@keyframes fadeSlideUp {
    0% {
        transform: translateY(30px);
        opacity: 0;
    }

    100% {
        transform: translateY(0);
        opacity: 1;
    }
}
```

#### ◆ 9. .start-btn

## Properties:

Golden background (#d4af37), white text.

Rounded corners, hover effect with scale and color change.

## Function:

Attractive “Start

Order” or action button.

```
.start-btn {  
    display: inline-block;  
    margin-top: 20px;  
    padding: 10px 25px;  
    background-color: #d4af37; /* ذهبي راق */  
    color: white;  
    text-decoration: none;  
    font-weight: bold;  
    border-radius: 8px;  
    font-size: 16px;  
    opacity: 0;  
    animation: fadeSlideUp 1.2s ease-out;  
    animation-delay: 3s;  
    animation-fill-mode: forwards;  
    transition: background-color 0.3s ease, transform 0.3s ease;  
}  
  
.start-btn:hover {  
    background-color: #C5A880;  
    transform: scale(1.05);  
}
```

◆ 10. footer

Properties:

White background, thin top border, small font.

Function:

Simple and clean footer section.

```
✓ footer {  
    background-color: white;  
    color: black;  
    padding: 20px;  
    margin-top: 50px;  
    font-size: 14px;  
    border-top: 2px solid #ddd; /* خط يفصل الفوتر */  
}
```

◆ 11. .menu-items & .item

Properties:

Flexbox layout, centered cards.

Light beige card background, rounded corners, shadows.

Function:

Displays drinks or food menu items in neat cards.

```
.menu-items {  
    display: flex;  
    flex-direction: column;  
    align-items: center;  
    margin: 30px;  
}  
  
.item {  
    background-color: #f2efeb;  
    padding: 20px;  
    margin: 15px;  
    width: 300px;  
    border-radius: 10px;  
    box-shadow: 0px 2px 5px rgba(0,0,0,0.1);  
}  
  
.item h3 {  
    margin-bottom: 10px;  
    color: #3a4e3c;  
    font-size: 22px;  
}  
  
.item p {  
    font-size: 16px;  
    color: #555;  
}
```

◆ 12. .order-form

Properties:

Light background (#e7e2d8), padded box.

Styled form fields and button.

Function:

A user-friendly order form to collect customer input.

```
< .order-form >
  background-color: #e7e2d8;
  padding: 30px;
  width: 300px;
  margin: 30px auto;
  border-radius: 10px;
  text-align: left;
}

.order-form input,
.order-form select,
.order-form textarea {
  width: 100%;
  padding: 8px;
  margin-top: 5px;
  margin-bottom: 15px;
  border: 1px solid #ccc;
  border-radius: 5px;
}

.order-form button {
  background-color: #3a4e3c;
  color: white;
  border: none;
  padding: 10px 15px;
  border-radius: 5px;
  cursor: pointer;
}
```

#### ◆ 13. .about-box

Properties:

Wide content box with soft background and readable spacing.

Function:

Displays the “About Us” section nicely formatted.

```
< .about-box >
  background-color: #e7e2d8;
  width: 60%;
  margin: 30px auto;
  padding: 30px;
  border-radius: 10px;
  text-align: left;
  font-size: 18px;
  line-height: 1.8;
}
```

◆ 14. .contact-form

Properties:

Similar to order form.

Padding, input styles, button style.

Function:

Contact form for feedback or questions.

```
✓ .contact-form {  
    background-color: #e7e2d8;  
    width: 300px;  
    margin: 30px auto;  
    padding: 25px;  
    border-radius: 10px;  
    text-align: left;  
}  
  
✓ .contact-form input,  
✓ .contact-form textarea {  
    width: 100%;  
    padding: 8px;  
    margin: 8px 0;  
    border-radius: 5px;  
    border: 1px solid #ccc;  
}  
  
✓ .contact-form button {  
    background-color: #3a4e3c;  
    color: white;  
    border: none;  
    padding: 10px 15px;  
    border-radius: 5px;  
    cursor: pointer;  
}
```

- ◆ 15. .menu-img, .drink-images, .drink-option
- Properties:

Image size control, rounded corners, spacing.

Function:

Displays drink images in a visually pleasing way.

```

< .menu-img {
    width: 100%;
    height: 180px;
    object-fit: cover;
    border-radius: 8px;
    margin-bottom: 10px;
}

< .drink-images {
    display: flex;
    justify-content: center;
    gap: 20px;
    margin-bottom: 15px;
}

< .drink-option {
    text-align: center;
}

< .drink-images img {
    width: 120px;
    height: 120px;
    object-fit: cover;
    border-radius: 8px;
    border: 1px solid #ccc;
}

```

- ◆ 16. .price

Properties:

Bold and colored text.

Function:

Highlights product prices in each item card.

```

< .price {
    font-weight: bold;
    color: #3a4e3c;
    margin: 5px 0;
}

```

- ◆ 17. .beans-container & .bean-item

Properties:

Flex layout with spacing.

Each bean card has image, padding, and shadow.

Function:

Used to display different coffee bean types or products.

```
< .beans-container {
    display: flex;
    justify-content: center;
    gap: 40px;
    flex-wrap: wrap;
    margin: 40px auto;
}

< .bean-item {
    background-color: #f9f6f2;
    padding: 20px;
    border-radius: 10px;
    width: 300px;
    box-shadow: 0 2px 8px rgba(0,0,0,0.1);
    text-align: center;
}

< .bean-item img {
    width: 300px;
    height: 300px;
    object-fit: cover;
    border-radius: 2px;
    margin-bottom: 15px;
}
```

## **Conclusion**

In conclusion, this project showcases our ability to design and build a fully functional website using HTML, CSS, and JavaScript. The website provides a smooth and modern experience for users to explore the café's products, place orders, and interact with the brand online.

Throughout the project, we applied key web development concepts including responsive design, user interface structuring, and basic front-end logic using JavaScript. We also learned how to organize content, apply visual consistency, and ensure accessibility.

This experience not only strengthened our technical skills but also gave us insight into real-world web design practices. In future versions, the website can be improved by adding a backend system for order tracking, database integration, and user login functionality.