RAJALAKSHMI ENGINEERING COLLEGE

An AUTONOMOUS Institution

Affiliated to ANNA UNIVERSITY, Chennai

DEPARTMENT OF COMPUTER SCIENCE AND DESIGN

ACADEMIC YEAR 2024-2025 ODD SEMESTER

CD23332

LAB MANUAL

SECOND YEAR

THIRD SEMESTER

2024- 2025

ODD SEMESTER

List of Experiments	
1	Design to teach mathematics to the children of 4-5 years age in school in Rural sector
2	Design to help people to sell their handmade products in metro cities
3	Design a social media website and chat
4	Design a publication that support different languages
5	Design a publication that tells comic stories
6	Design an advertisement for mobile company
7	Design an advertisement for any political party with images
8	Design an advertisement for electronic products
9	Design an advertisement for food products
10	Design an interactive website for new institution
11	Design a blog that publish educational post
12	Design an interactive website for hospital management system
13	Design an interactive website for food selling app

Requirements	
Hardware	Intel i3 or AMD processor with 64-bit support;2 GHz or faster processor with SSE 4. or later- 8 GB RAM -Windows 10 64-it (version 1909)or later - 1.5 GB of GPU memory -4 GB of available hard-disk space
Software	Figma, Adobe Photoshop, HTML and CSS Windows
Operating System	

LAB PLAN

CD23332-DESIGN PROCESSES AND PERSPECTIVES LAB

Exercise no.	ExerciseName	Required Hours
1	Design to teach mathematics to the children of 4-5 years age in school in Rural sector	3
2	Design to help people to sell their handmade products in metro cities	6
3	Design a social media website and chat	3
4	Design a publication that support different languages	3
5	Design a publication that tells comic stories	3
6	Design an advertisement for mobile company	3
7	Design an advertisement for any political party with images	9
8	Design an advertisement for electronic products	6
9	Design an advertisement for food products	6
10	Design an interactive website for new institution	6
11	Design a blog that publish educational post	6
12	Design an interactive website for hospital management system.	3
13	Design an interactive website for food selling app.	3

Course Name: Design Processes and Perspectives   Course Code: CD19341

Outcome	Understand the various graphic design thinking process and phases
1	Analyze and choose between various visual components
Outcome	Designing and communicating visual components
2	Apply design concepts for media publishing and advertising
Outcome	Create website using different design concepts
3	

Outcome

CO-PO –PSO matricesofcourse

PO/PSO 4

CO	Outcome	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
CD19341.1	5	3 3	1 -	3 3	2 -	3 3	2 -	3 -	2 -	1 -	1 -	1 1	3 1	1 1	3 3	1 1
CD19341.2		3 1	3 3	3 3	2 3	3 3	- 3	- 2	- 2	- 2	- 2	- 2	1 2	1 1	3 3	3 3
CD19341.3		1	3	3	3	3	3	2	2	2	2	2	2	1.0	3.0	2.0
CD19341.4		2.2	2.0	3.0	2.0	3.0	1.6	1.4	1.0	1.0	1.0	1.2	1.8			
CD19341.5																
Average																

Note: Enter correlation levels 1,2 or 3 as defined below:

1: Slight(Low) 2: Moderate(Medium) 3: Substantial(High) If there is no correlation, put "-"

Expt. No.:1

Date:

Design to teach mathematics to the children of 4-5 years age in school in Rural sector
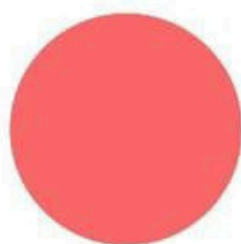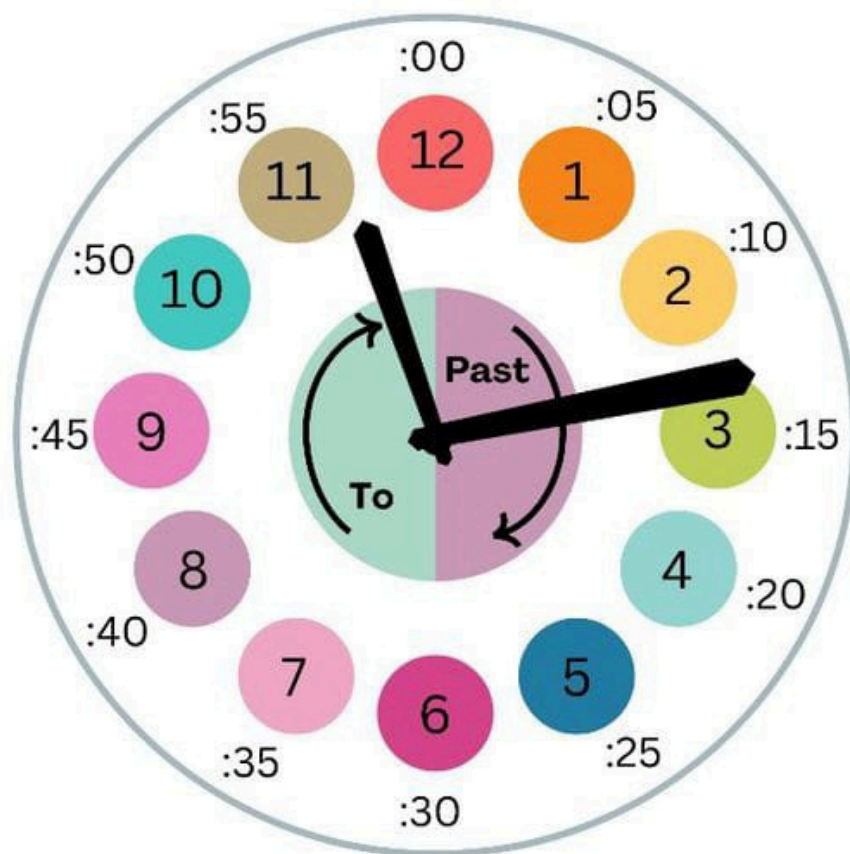
Aim: To design a user interface for teaching mathematics to the children of 4-5 years age in school in the rural sector. Tools: Figma, Photoshop

Steps:

1. Createanewbackgroundlayer.

2. Createcontainersforplacingimages,iconsandlogos.

3. Gradientcolorpanelhastobeused.

4. Buttonsandattractivefontshavebeenused.

5. Propernavigationshouldbedonetomovefromonepagetoanother.

6. Loginpagehastobeincluded.

Output:

TELLING TIME

:00
:05
:10
:15
:20
:25
:30
:35
:40
:45
:50
:55

12 1 2 3 4 5 6 7 8 9 10 11

Past
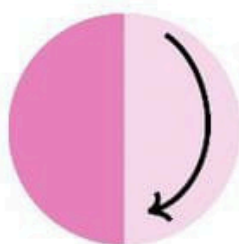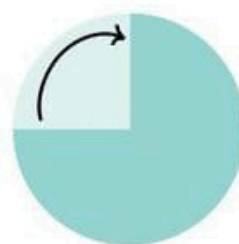
To

O'Clock Quarter Past Half Past Quarter To

Result:

Expt. No.:2

Date:

<u>Design to help people to sell their handmade products in metro cities</u>

AIM: To Design an UI that can help people to sell their handmade products in metro cities

Tools: Figma, Photoshop

Steps:

1. Createanewbackgroundlayer.

2. Createcontainersforplacingimages,iconsandlogos.

3. Gradientcolorpanelhastobeused.

4. Buttonsandattractivefontshavebeenused.

5. Propernavigationshouldbedonetomovefromonepagetoanother.

6. Loginpagehastobeincluded.

Output:

HIGH
QUALITY

WATERCOLORS

300 DPI

MOLINARTSTUDIO

Result:

Expt. No.:3

Date:

Design a social media website and chat

Aim: To design a user interface for teaching mathematics to the children of 4-5 years age in school in the rural sector.

Tools: Figma, Photoshop

Steps

:   1. Createanewbackgroundlayer.

    2. Createcontainersforplacingimages,iconsandlogos

    3. Gradientcolorpanelhastobeused

    4. Buttonsandattractivefontshavebeenused

    5. Propernavigationshouldbedonetomovefromonepagetoanother

    6. Loginpagehastobeincluded

Output:

Screen 1 (Log In):

Email Adress

sheva8822B@mail.com

Password

•••••••••••••• 👁

Forgot Password?

Log In

Or

G 🍎 f

Don't have an account? Sign Up

Screen 2 (Let's get started!):

Let's get started!

Sign Up

Already have an account? Log In

Screen 3 (Sign Up):

Full name

Taras Shevchenko

Email adress

sheva8822B@mail.com

Password

•••••••••••••• 👁

Sign Up

Or

G 🍎 f

Already have an account? Log In

Result:

Expt. No.:4

Date:

Design a publication that support different languages

Aim: To design a publication that support different language

Tools: Adobe Photoshop

Steps

:

1. Createanewbackgroundlayer.

2. Createcontainersforplacingimages,iconsandlogos

3. Gradientcolorpanelhastobeused

4. Usedifferentlanguagestodisplaythecontent.

5. Useimagesthatsupportthecontent.

6. Alignwhitespacesbetweenthecontents.

Output:

Здравейте

ਸਤ ਸ੍ਰੀ ਅਕਾਲ

Nnọọ

Ahoj

saluton

Hallo

Salam

Բարեւ Ձեզ

こんにちは

ሰላም ሰላም ነው

Zdravo

हैलो

TERE

Merhaba

добры дзень

بيلو

салам

Olá

مرحبا

Hello

Hola

வணக்கம்

你好

Dia dhuit

Bonjour

สวัสดี

Сәлам

Kaixo

Salom

নমস্কার

Здравствуйте

ဟယ်လို

Buna

Ciao

Witaj

Hei

Talofa

 హలో

Hoi

ஜூஜ

Mholo

Lumela

হ্যালো

سلام

Привет

هيلو

ഹലോ

 തഹലോ

یاخشىمۇسىز

Sawubona

Halo

Kumusta

Hej

გამარჯობა

Mhoro

Përshëndetje

Сәлеметсіз бе

Здраво

Haye

Салом

નમસ્તે

xin chào

Alo

ಹಲೋ

Slav

여보세요

Muraho

ສະບາຍດີ

Bonghjornu

Здраво

नमस्कार

Sveiki

Salve

Bongu

 හෙලෝ

नमस्कार

Salama

Сайн уу

Moni

Szia

Sannu

Helo

Nyob zoo

Pẹlẹ o

Χαίρετε

Aloha

Result:

Expt. No.:5

Date:

Design a publication that tells comic storiess

Aim: TTooo dlse:s iSgtne ap sP:ublication That Tells
Comic Stories 1. CreatAe dao nbeew P
bhaoctoksghroupnd layer. 2. Create containers for
placing images, icons and logos 3. Gradient color panel
has to be used. 4. Use different languages to display the
content. 5. Use images that support the content. 6. Align
white spaces between the contents.

Output:

Result:

Expt. No.:6

Date:

Design an advertisement for mobile company

Aim: TTooo dlse:s iSgtne apns :advertisement for mobile

company 1. CreatAe dao nbeew P bhaoctoksghroupn, dC

alanyvear. 2. Create containers for placing images, icons

and logos 3. Gradient color panel

has to be used 4. Images that support the context must

be placed. 5. Written context must be emphasized. 6.

Appropriate color palette must be used.

Output:

Result:

Expt. No.:7

Date:

Design an advertisement for any political party with images

Aim: To design an advertisement for any political party with images

Tools: Adobe Photoshop, Canva.

Steps:

1. Create a new background layer.

2. Create containers for placing images, icons and logos.

3. Gradient color panel has to be used.

4. Images that support the context must be placed.

5. Written context must be emphasized.

6. Appropriate color palette must be used.

Output:

OBIDIENTS
Edo Central

Presents January
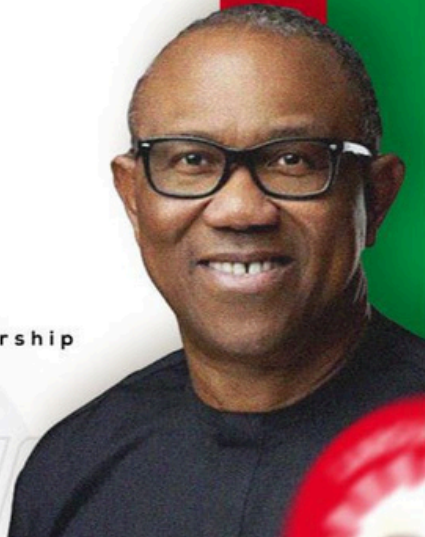## DOOR 2 DOOR
Labour Party Sensitzation

Esan Central
Esan North East
Esan West
Esan SOuth East
Igueben

- Collection Of PVC
- How To Vote
- Who to Vote (Party Logo)

For Partnership / Sponsorship
0 7 0 5 3 1 0 9 2 6 0

Vote
Peter Obi 2023

Result:

Expt. No.:8

Date:

Design an advertisement for electronic products

Aim: TTooo dlse:s iSgtne apns :advertisement for electronic products 1. CreatAe dao nbew P hboatcoksghropu,n Cda lnayvaer. 2. Create containers for placing images, icons and logos. 3. Gradient color panel has to be used . 4. Images that support the context must be placed. 5. Written context must be emphasized. 6. Appropriate color palette must be used.

Output:

Result:

logo

Home
Appliance

Lorem ipsum dolor sit amet, consectetur ing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. I

order now

30% OFF

Expt. No.:9

Date:

<u>Design an advertisement for food products</u>

Aim: To design an advertisement for food products

Tools: Adobe Photoshop, Canva

Steps

:

1. Create a new background layer.

2. Create containers for placing images, icons and logos.

3. Gradient color panel has to be used .

4. Images that support the context must be placed.

5. Written context must be emphasized.

6. Appropriate color palette must be used.

Output:

Result:

Expt. No.:10

Date:

Design an interactive website for new institution

Aim: To design interactive website for new institution

Tools: HTML, CSS
Steps:

    1. Create a document of type HTML.

    2. Craft a style sheet for better design.

    3. Include the link of the stylesheet to the HTML file.

    4. Assign a title for each page.

    5. Add the required styles and attributes for the HTML tags.

    6. Include action tag to navigate from one page to another.

Output:

Result:

```css
/* Reset */
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body {
    font-family: Arial, sans-serif;
    color: #333;
    line-height: 1.6;
}

/* Header */
header {
    background-color: #ff6347;
    padding: 1em 0;
    color: #fff;
}

header .container {
    display: flex;
    justify-content: space-between;
    align-items: center;
}

header h1 {
    font-size: 1.5em;
}

header nav ul {
    list-style: none;
    display: flex;
}

header nav ul li {
    margin-left: 1.5em;
}

header nav ul li a {
    color: #fff;
    text-decoration: none;
    font-weight: bold;
}

/* Hero Section */
.hero {
    background: url('images/food-bg.jpg') no-repeat center center/cover;
```

```css
    height: 60vh;
    display: flex;
    justify-content: center;
    align-items: center;
    color: #fff;
    text-align: center;
}

.hero-text {
    max-width: 600px;
}

.hero-text h2 {
    font-size: 2.5em;
    margin-bottom: 0.5em;
}

.hero-text p {
    font-size: 1.2em;
    margin-bottom: 1em;
}

.btn {
    display: inline-block;
    background-color: #ff6347;
    color: #fff;
    padding: 0.8em 1.5em;
    text-decoration: none;
    border-radius: 5px;
    transition: background-color 0.3s ease;
}

.btn:hover {
    background-color: #ff2e00;
}

/* Menu Section */
.menu {
    padding: 2em;
    background-color: #f8f8f8;
    text-align: center;
}

.menu h2 {
    font-size: 2em;
    margin-bottom: 1em;
}
```

```css
.menu-items {
    display: flex;
    justify-content: center;
    gap: 2em;
    flex-wrap: wrap;
}

.item {
    background-color: #fff;
    border: 1px solid #ddd;
    border-radius: 5px;
    padding: 1em;
    width: 250px;
    text-align: center;
}

.item img {
    width: 100%;
    border-radius: 5px;
}

.item h3 {
    font-size: 1.2em;
    margin: 0.5em 0;
}

.item p {
    font-size: 1.1em;
    color: #666;
}

/* Footer */
footer {
    background-color: #333;
    color: #fff;
    padding: 1em 0;
    text-align: center;
}
```

Expt. No.:11

Date:

Design A Blog That Publish Educational Post

Aim: To design a blog that publishes educational post

Tools: HTML, CSS

Steps:

      1. Create a document of type HTML.

      2. Craft a style sheet for better design.

      3. Include the link of the stylesheet to the HTML file.

      4. Assign a title for each page.

      5. Add the required styles and attributes for the HTML tags.

      6. Include action tag to navigate from one page to another.

Output:

Result:

```css
/* Reset */
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body {
    font-family: Arial, sans-serif;
    color: #333;
    line-height: 1.6;
}

/* Header */
header {
    background-color: #4CAF50;
    padding: 1em 0;
    color: #fff;
}

header .container {
    display: flex;
    justify-content: space-between;
    align-items: center;
}

header h1 {
    font-size: 1.8em;
}

header nav ul {
    list-style: none;
    display: flex;
}

header nav ul li {
    margin-left: 1.5em;
}

header nav ul li a {
    color: #fff;
    text-decoration: none;
    font-weight: bold;
}

/* Hero Section */
.hero {
    background: url('images/institution-bg.jpg') no-repeat center center/cover;
```

```css
    height: 60vh;
    display: flex;
    justify-content: center;
    align-items: center;
    color: #fff;
    text-align: center;
}

.hero-text h2 {
    font-size: 2.5em;
    margin-bottom: 0.5em;
}

.hero-text p {
    font-size: 1.2em;
    margin-bottom: 1em;
}

.btn {
    display: inline-block;
    background-color: #4CAF50;
    color: #fff;
    padding: 0.8em 1.5em;
    text-decoration: none;
    border-radius: 5px;
    transition: background-color 0.3s ease;
}

.btn:hover {
    background-color: #388E3C;
}

/* Section Styling */
section {
    padding: 2em;
    text-align: center;
}

.about, .courses, .faculty, .contact {
    background-color: #f8f8f8;
    margin: 1em 0;
}

.course-list, .faculty-list {
    display: flex;
    justify-content: center;
    gap: 2em;
    flex-wrap: wrap;
```

```css
.course, .faculty-member {
    background-color:  #fff;
    border: 1px solid #ddd;
    border-radius: 5px;
    padding: 1em;
    width: 250px;
    text-align: center;
}

.faculty-member img {
    width: 100px;
    border-radius: 50%;
}

.contact form {
    display: flex;
    flex-direction: column;
    gap: 0.5em;
    max-width: 400px;
    margin: 0 auto;
}

.contact input, .contact textarea {
    padding: 0.5em;
    border-radius: 5px;
    border: 1px solid #ddd;
}

.contact button {
    background-color: #4CAF50;
    color: #fff;
    padding: 0.8em;
    border: none;
    border-radius: 5px;
    cursor: pointer;
}

.contact button:hover {
    background-color: #388E3C;
}

/* Footer */
footer {
    background-color: #333;
    color: #fff;
    padding: 1em 0;
    text-align: center;
}
```

Expt. No.:12

Date:

Design An InteracStiyvset eWme bsite For Hospital Management

Aim: To design interactive website for hospital management system

Tools: HTML, CSS

Steps:

1. Create a document of type HTML.

2. Craft a style sheet for better design.

3. Include the link of the stylesheet to the HTML file.

4. Assign a title for each page.

5. Add the required styles and attributes for the HTML tags.

6. Include action tag to navigate from one page to another.

Output:

Result:

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
<title>Hospital Management System</title>
<link rel="stylesheet" href="styles.css">
</head>
<body>
<!-- Header Section -->
<header>
<h1>Hospital Management System</h1>
<nav>
<ul>
<li><a href="#">Home</a></li>
<li><a href="#appointments">Appointments</a></li>
<li><a href="#patients">Patients</a></li>
<li><a href="#doctors">Doctors</a></li>
</ul>
</nav>
</header>

<!-- Hero Section -->
<section class="hero">
<h2>Welcome to the Hospital Management System</h2>
<p>Your health is our priority. Easily book appointments, view medical records, and
manage your healthcare.</p>
</section>

<!-- Appointment Section -->
<section id="appointments">
<h2>Book an Appointment</h2>
<form id="appointment-form">
<label for="patient-name">Your Name:</label>
<input type="text" id="patient-name" name="patient-name" required><br>

<label for="doctor-select">Select Doctor:</label>
<select id="doctor-select" name="doctor" required>
<option value="Dr. Smith">Dr. Smith - Cardiologist</option>
<option value="Dr. Johnson">Dr. Johnson - Dermatologist</option>
<option value="Dr. Lee">Dr. Lee - Neurologist</option>
</select><br>

<label for="appointment-date">Select Date:</label>
<input type="date" id="appointment-date" name="date" required><br>

<button type="submit">Book Appointment</button>
```

```html
        </form>

        <div id="registration-confirmation"></div>
    </section>

    <!-- Doctors Section -->
    <section id="doctors">
        <h2>Our Doctors</h2>
        <ul>
            <li>Dr. Smith - Cardiologist</li>
            <li>Dr. Johnson - Dermatologist</li>
            <li>Dr. Lee - Neurologist</li>
        </ul>
    </section>

    <!-- Footer Section -->
    <footer>
        <p>&copy; 2024 Hospital Management System</p>
    </footer>

    <script src="scripts.js"></script>
</body>
</html>
```

Expt. No.:13

Date:

Design An Interactive Website For Food Selling App

Aim: To design a interactive website for food selling app

Tools: HTML, CSS

Steps:

      1. Create a document of type HTML.

      2. Craft a style sheet for better design.

      3. Include the link of the stylesheet to the HTML file.

      4. Assign a title for each page.

      5. Add the required styles and attributes for the HTML tags.

      6. Include action tag to navigate from one page to another.

Output:

Result

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
<title>Food Selling App</title>
<link rel="stylesheet" href="styles.css">
</head>
<body>
<!-- Header Section -->
<header>
<div class="logo">Foodie App</div>
<nav>
<ul>
<li><a href="#home">Home</a></li>
<li><a href="#menu">Menu</a></li>
<li><a href="#about">About</a></li>
<li><a href="#contact">Contact</a></li>
<li><a href="#cart" id="cart-link">Cart (0)</a></li>
</ul>
</nav>
</header>

<!-- Home Section -->
<section id="home" class="hero">
<h2>Welcome to Foodie App</h2>
<p>Delicious meals delivered to your doorsteps!</p>
</section>

<!-- Menu Section -->
<section id="menu" class="menu">
<h2>Our Menu</h2>
<div class="food-item" id="food1">
<img src="https://via.placeholder.com/150" alt="Pizza">
<h3>Pizza</h3>
<p>A delicious cheese and tomato pizza.</p>
<span class="price">$12.99</span>
<button class="add-to-cart">Add to Cart</button>
</div>
<div class="food-item" id="food2">
<img src="https://via.placeholder.com/150" alt="Burger">
<h3>Burger</h3>
<p>A tasty beef burger with all the fixings.</p>
<span class="price">$8.99</span>
<button class="add-to-cart">Add to Cart</button>
</div>
<div class="food-item" id="food3">
```

```html
    <img src="https://via.placeholder.com/150" alt="Pasta">
    <h3>Pasta</h3>
    <p>Classic Italian pasta with marinara sauce.</p>
    <span class="price">$10.99</span>
    <button class="add-to-cart">Add to Cart</button>
    </div>
    </section>

    <!-- About Section -->
    <section id="about">
        <h2>About Us</h2>
    <p>Foodie App is your go-to platform for delicious and quick meal delivery. We offer a
variety of foods ranging from pizzas to burgers and pastas, all made with fresh ingredients and
delivered to your door.</p>
    </section>

    <!-- Contact Section -->
    <section id="contact">
        <h2>Contact Us</h2>
    <form id="contact-form">
    <label for="name">Your Name:</label>
    <input type="text" id="name" name="name" required><br>

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

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

    <button type="submit">Send Message</button>
    </form>
    </section>

    <!-- Cart Section -->
    <section id="cart" class="cart">
        <h2>Your Cart</h2>
    <div id="cart-items">
    <p>No items in cart.</p>
    </div>
    <div id="cart-total">
    <p>Total: $<span id="total-price">0.00</span></p>
    </div>
    <button id="checkout-btn">Proceed to Checkout</button>
    </section>

    <!-- Footer Section -->
    <footer>
    <p>&copy; 2024 Foodie App</p>
```

```
    </footer>

    <script src="scripts.js"></script>
  </body>
</html>
```