



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-bit (version 1909)or later - 1.5 GB of GPU memory -4 GB of available hard-disk space
Software	Figma, Adobe Photoshop, HTML and CSS
Operating System	Windows

LAB PLAN

CD23332-DESIGN PROCESSES AND PERSPECTIVES LAB

Exercise no.	Exercise Name	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 Outcomes (COs)

Course Name: Design Processes and Perspectives

Course Code: CD19341

Outcome 1	Understand the various graphic design thinking process and phases
Outcome 2	Analyze and choose between various visual components
Outcome 3	Designing and communicating visual components
Outcome 4	Apply design concepts for media publishing and advertising
Outcome 5	Create website using different design concepts

CO-PO –PSO matricesofcourse

PO/PSO CO	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	3	1	3	2	3	2	3	2	1	1	1	3	1	3	1
CD19341. 2	3	-	3	-	3	-	-	-	-	-	1	1	1	3	1
CD19341. 3	3	3	3	2	3	-	-	-	-	-	-	1	1	3	2
CD19341. 4	1	3	3	3	3	3	2	2	2	2	2	2	1	3	3
CD19341. 5	1	3	3	3	3	3	2	2	2	2	2	2	1	3	3
Average	2.2	2.0	3.0	2.0	3.0	1.6	1.4	1.0	1.0	1.0	1.2	1.8	1.0	3.0	2.0

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

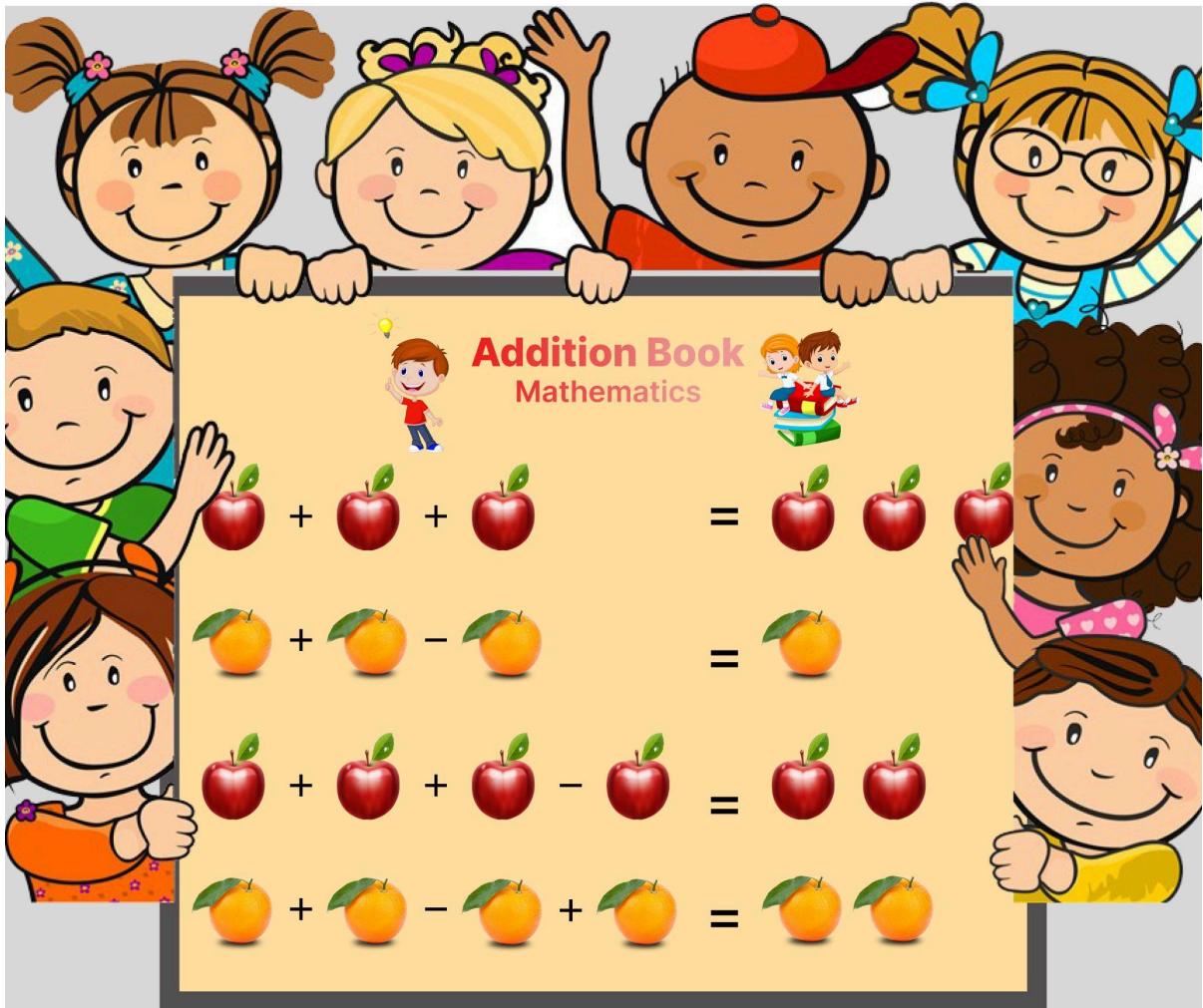
Aim: To design a user interface for teaching mathematics to the children of 4-5 years age in school in the rural sector.

Tools: Figma, Photoshop

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used.
4. Buttons and attractive fonts have been used.
5. Proper navigation should be done to move from one page to another.
6. Login page has to be included.

Output:



Result:

Expt. No.:2

Date:

Design to help people to sell their handmade products in metro cities

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

Tools: Figma, Photoshop

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. Buttons and attractive fonts have been used.
5. Proper navigation should be done to move from one page to another.
6. Login page has to be included.

Output:

HOME MADE PRODUCTS



PAPER CRAFT-399rs



SAND POT-500rs



HOME MADE BAD-450rs



BRACLET-99rs

AD-no21 rec clg
Thandalam
ch-600 001

WARM WELCOME

Ph-600 001
Ph2-600 001

Result:

Expt. No.:3

Date:

Design a social media website and chat

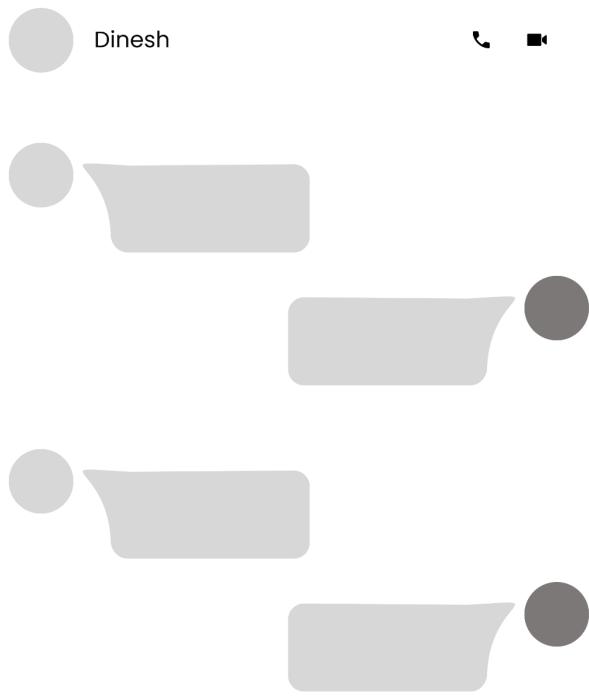
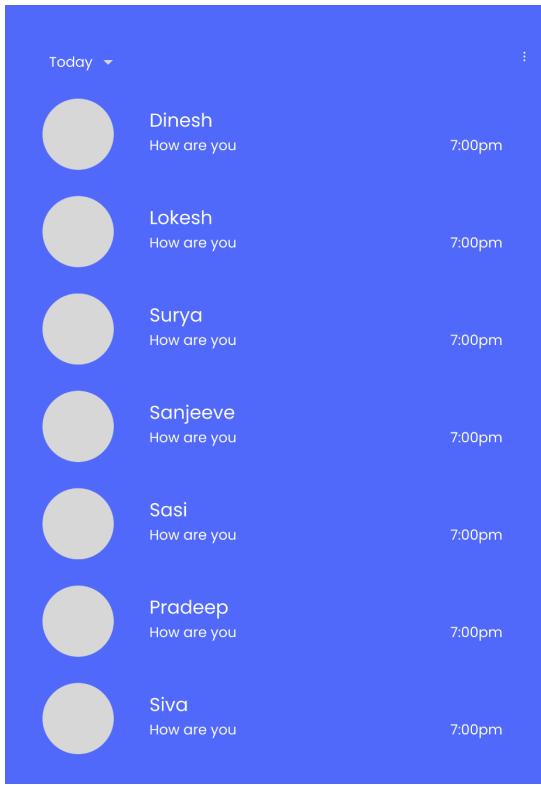
Aim: To design a user interface for teaching mathematics to the children of 4-5 years age in school in the rural sector.

Tools: Figma, Photoshop

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos
3. Gradient color panel has to be used
4. Buttons and attractive fonts have been used
5. Proper navigation should be done to move from one page to another
6. Login page has to be included

Output:



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. Create a new background 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:

vocabble. www.yoursites.com

@youraccount 



**A language is
an exact
reflection
of the
character**

"Learning another language is not only learning different words for the same things, but learning another way to think about things"

Flora Lewis -



Follow this Page
and get **25% Off**

Result:

Expt. No.:5

Date:

Design a publication that tells comic stories

Aim: To design a Publication That Tells Comic Stories

Tools: Adobe Photoshop

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. 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: To design an advertisement for mobile company

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:

Mi 10T Series | 5G

Power Your Creativity

Flagship Camera, Display, and Speed



Mi 10T



Mi 10T Pro



Mi 10T Lite

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:

Vote For Me

SLOGAN



This is a demo text
matters. Please replace
this text matters with
your Orginal text
matters.

Donald Trump
President

PrinterMyWall.com

Result:

Expt. No.:8

Date:

Design an advertisement for electronic products

Aim: To design an advertisement for electronic 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:



Get Your Dream Gadget Today!



DEALER'S IN

Iphones, Techno Products, Infinix Phones,
Samsung Products, Smart Tv, Play Stations
And More

CONTACT US:

+221 012 345 6789
 www.infinotechgadgets.com

SHOP NOW

Result:

Expt. No.:9

Date:

Design an advertisement for food products

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:

```

index.html      styles.css      script.js      +      [a]
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>Institution Name</title>
7     <style>
8         body { font-family: Arial, sans-serif; margin: 0; padding: 0; }
9         header, footer { background: #0044cc; color: white; text-align: center; padding: 10px; }
10        nav { text-align: center; padding: 10px; background: #ff1f1f; }
11        nav a { margin: 0 10px; color: #0044cc; text-decoration: none; }
12        section { padding: 20px; }
13        h2 { color: #0044cc; }
14        form input, form textarea { width: 100%; margin: 5px 0; padding: 8px; }
15    </style>
16 </head>
17 <body>
18 <header>
19     <h1>Institution Name</h1>
20     <p>Welcome to Our Institution</p>
21 </header>
22
23 <nav>
24     <a href="#about">About Us</a>
25     <a href="#courses">Courses</a>
26     <a href="#admissions">Admissions</a>
27     <a href="#contact">Contact</a>
28 </nav>
29
30
31 <section id="about">
32     <h2>About Us</h2>
33     <p>We are dedicated to providing quality education to our students.</p>
34 </section>
35
36 <section id="courses">
37     <h2>Courses</h2>
38     <p>Explore our wide range of courses to find the right one for you.</p>
39 </section>
40
41 <section id="admissions">
42     <h2>Admissions</h2>
43     <p>Join us to start your journey toward success. Apply now!</p>
44 </section>
45
46 <section id="contact">
47     <h2>Contact Us</h2>
48     <form>
49         <input type="text" placeholder="Your Name" required>
50         <input type="email" placeholder="Your Email" required>
51         <textarea rows="4" placeholder="Your Message" required></textarea>
52         <button type="submit">Send Message</button>
53     </form>
54 </section>
55
56 <footer>
57     <p>©2024 Institution Name</p>
58 </footer>
59
60 </body>
61 </html>

```

The screenshot shows the live version of the website. The header contains the title 'Institution Name' and a welcome message 'Welcome to Our Institution'. Below the header is a navigation bar with links to 'About Us', 'Courses', 'Admissions', and 'Contact'. The 'About Us' section features a heading and a paragraph about the institution's dedication to quality education. The 'Courses' section has a heading and a paragraph encouraging users to explore the wide range of courses. The 'Admissions' section has a heading and a paragraph inviting users to join and apply. The 'Contact' section includes a contact form with fields for name, email, and message, along with a 'Send Message' button. At the bottom, there is a footer with the copyright notice '© 2024 Institution Name'.

Result:

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:

```
index.html          styles.css        script.js      +  □  42xsmbecw ✎  
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>Educational Blog</title>  
7      <style>  
8          body { font-family: Arial, sans-serif; margin: 0; padding: 0; line-height: 1.6; }  
9          header { background: #0044cc; color: white; padding: 20px; text-align: center; }  
10         nav { background: #333; padding: 10px; text-align: center; }  
11         nav a { color: white; margin: 0 10px; text-decoration: none; }  
12         .container { padding: 20px; }  
13         .post { margin-bottom: 20px; padding: 15px; border-bottom: 1px solid #ddd; }  
14         .post h2 { color: #0044cc; }  
15         .post p { margin: 10px 0; }  
16         footer { background: #0044cc; color: white; text-align: center; padding: 10px; }  
17     </style>  
18 </head>  
19 <body>  
20 <header>  
21     <h1>Educational Blog</h1>  
22     <p>Learn something new every day</p>  
23 </header>  
24  
25 <nav>  
26     <a href="#home">Home</a>  
27     <a href="#about">About</a>  
28     <a href="#contact">Contact</a>  
29 </nav>  
30  
31 <div class="container">  
32     <article class="post">  
33         <h2>Post Title 1</h2>  
34         <p>Published on: October 1, 2024</p>  
35         <p>This is the content of the first educational post. It covers a topic that helps readers learn new things.</p>  
36     </article>  
37  
38     <article class="post">  
39         <h2>Post Title 2</h2>  
40         <p>Published on: October 5, 2024</p>  
41         <p>This is the content of the second educational post. It provides insightful information on a relevant topic.</p>  
42     </article>  
43  
44     <article class="post">  
45         <h2>Post Title 3</h2>  
46         <p>Published on: October 10, 2024</p>  
47         <p>This is the content of the third educational post, offering valuable knowledge to enhance learning.</p>  
48     </article>  
49 </div>  
50  
51 <footer>  
52     <p>&copy; 2024 Educational Blog. All rights reserved.</p>  
53 </footer>  
54  
55  
56 </body>  
57 </html>
```

Educational Blog

Learn something new every day

[Home](#) [About](#) [Contact](#)

Post Title 1

Published on: October 1, 2024

This is the content of the first educational post. It covers a topic that helps readers learn new things.

Post Title 2

Published on: October 5, 2024

This is the content of the second educational post. It provides insightful information on a relevant topic.

Post Title 3

Published on: October 10, 2024

This is the content of the third educational post, offering valuable knowledge to enhance learning.

© 2024 Educational Blog. All rights reserved.

Result:

Expt. No.:12

Date:

Design An Interactive Website For Hospital Management System

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:

```
index.html          styles.css        script.js      +  [+]  
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>Hospital Management System</title>  
7-   <style>  
8-     body { font-family: Arial, sans-serif; margin: 0; padding: 0; background: #f4f4f9; }  
9-     header { background: #0073e6; color: white; padding: 15px; text-align: center; }  
10-    nav { background: #005bb5; text-align: center; padding: 10px; }  
11-    nav a { color: white; margin: 0 10px; text-decoration: none; }  
12-    .container { padding: 20px; }  
13-    .section { margin-bottom: 20px; }  
14-    .section h2 { color: #0073e6; }  
15-    .btn { display: inline-block; background: #0073e6; color: white; padding: 10px 15px; text-decoration: none; margin-top: 10px; border-radius: 5px; }  
16-    form input, form textarea { width: 100%; padding: 8px; margin: 5px 0; }  
17-    footer { background: #0073e6; color: white; text-align: center; padding: 10px; }  
18-   </style>  
19- </head>  
20- <body>  
21- <headers>  
22-   <h1>Hospital Management System</h1>  
23-   <p>Efficient Healthcare Solutions</p>  
24- </headers>  
25- <nav>  
26-   <a href="#home">Home</a>  
27-   <a href="#services">Services</a>  
28-   <a href="#doctors">Doctors</a>  
29-   <a href="#contact">Contact</a>  
30- </nav>  
31- <div class="container">  
32-   <section id="home" class="section">  
33-     <h2>Welcome to Our Hospital!</h2>  
34-     <p>Our hospital provides top-notch healthcare services with state-of-the-art facilities and experienced staff.</p>  
35-     <a href="#services" class="btn">Our Services</a>  
36-   </section>  
37-   <section id="services" class="section">  
38-     <h2>Services</h2>  
39-     <p>We offer a wide range of services, including emergency care, outpatient services, surgery, and more.</p>  
40-     <a href="#contact" class="btn">Book an Appointment</a>  
41-   </section>  
42-   <section id="doctors" class="section">  
43-     <h2>Our Doctors</h2>  
44-     <p>Meet our experienced team of doctors who are here to provide the best care for our patients.</p>  
45-     <p><strong>Dr. John Doe</strong> - Cardiologist</p>  
46-     <p><strong>Dr. Jane Smith</strong> - Neurologist</p>  
47-     <p><strong>Dr. Emily White</strong> - Orthopedic Surgeon</p>  
48-   </section>  
49-   <section id="contact" class="section">  
50-     <h2>Contact Us</h2>  
51-     <form>  
52-       <input type="text" placeholder="Your Name" required>  
53-       <input type="email" placeholder="Your Email" required>  
54-       <textarea rows="4" placeholder="Your Message" required></textarea>  
55-       <button type="submit" class="btn">Send Message</button>  
56-     </form>  
57-   </section>  
58- </div>  
59- <footer>  
60-   <p>&copy; 2024 Hospital Management System. All rights reserved.</p>  
61- </footer>  
62- </body>  
63- </html>
```

Hospital Management System

Efficient Healthcare Solutions

Home Services Doctors Contact

Welcome to Our Hospital

Our hospital provides top-notch healthcare services with state-of-the-art facilities and experienced staff.

[Our Services](#)

Services

We offer a wide range of services, including emergency care, outpatient services, surgery, and more.

[Book an Appointment](#)

Our Doctors

Meet our experienced team of doctors who are here to provide the best care for our patients.

Dr. John Doe - Cardiologist

Dr. Jane Smith - Neurologist

Dr. Emily White - Orthopedic Surgeon

Contact Us

Your Name

Your Email

Your Message

[Send Message](#)

© 2024 Hospital Management System. All rights reserved.

Result:

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:

```
index.html          styles.css        script.js      +  ⌂↑
```

```
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>Foodie App</title>
7      <style>
8          body { font-family: Arial, sans-serif; margin: 0; padding: 0; background-color: #f4f4f4; }
9          header { background-color: #ff6347; color: white; text-align: center; padding: 20px; }
10         nav { background-color: #ff4500; text-align: center; padding: 10px; }
11         nav a { color: white; margin: 0 15px; text-decoration: none; }
12         .container { padding: 20px; }
13         .section { margin-bottom: 20px; }
14         .section h2 { color: #ff6347; }
15         .btn { display: inline-block; background-color: #ff4500; color: white; padding: 10px 15px; text-decoration: none; border-radius: 5px; }
16         .menu-item { margin: 10px 0; }
17         footer { background-color: #ff6347; color: white; text-align: center; padding: 10px; }
18     </style>
19 </head>
20 <body>
21
22 <header>
23     <h1>Foodie App</h1>
24     <p>Your favorite meals, delivered fast!</p>
25 </header>
26
27 <nav>
28     <a href="#home">Home</a>
29     <a href="#menu">Menu</a>
30     <a href="#specials">Specials</a>
31     <a href="#contact">Contact</a>
32 </nav>
33
34 <div class="container">
35
36     <section id="home" class="section">
37         <h2>Welcome to Foodie App</h2>
38         <p>Discover delicious meals from the comfort of your home and get them delivered quickly!</p>
39         <a href="#menu" class="btn">Order Now!</a>
40     </section>
41
42     <section id="menu" class="section">
43         <h2>Our Menu</h2>
44         <div class="menu-item">
45             <p><strong>Burger</strong> - $5.99</p>
46             <p>Juicy burger with fresh ingredients and signature sauce.</p>
47         </div>
48         <div class="menu-item">
49             <p><strong>Pizza</strong> - $8.99</p>
50             <p>Cheesy pizza with a variety of toppings to choose from.</p>
51         </div>
52         <div class="menu-item">
53             <p><strong>Pasta</strong> - $6.99</p>
54             <p>Delicious pasta with rich, creamy sauce.</p>
55         </div>
56     </section>
57
58     <section id="specials" class="section">
59         <h2>Today's Specials</h2>
60         <p>Get 20% off on all orders over $20! Limited time offer, order now!</p>
61         <a href="#menu" class="btn">Order Now!</a>
62     </section>
63
64     <section id="contact" class="section">
65         <h2>Contact Us</h2>
66         <form>
67             <input type="text" placeholder="Your Name" required><br>
68             <input type="email" placeholder="Your Email" required><br>
69             <textarea rows="4" placeholder="Your Message" required></textarea><br>
70             <button type="submit" class="btn">Send Message</button>
71         </form>
72     </section>
73
74 </div>
75
76 <footer>
77     <p>© 2024 Foodie App. All rights reserved.</p>
78 </footer>
79
80 </body>
81 </html>
82 |
```

Foodie App

Your favorite meals, delivered fast!

[Home](#) [Menu](#) [Specials](#) [Contact](#)

Welcome to Foodie App

Discover delicious meals from the comfort of your home and get them delivered quickly!

[Order Now](#)

Our Menu

Burger - \$5.99

Juicy burger with fresh ingredients and signature sauce.

Pizza - \$8.99

Cheesy pizza with a variety of toppings to choose from.

Pasta - \$6.99

Delicious pasta with rich, creamy sauce.

Today's Specials

Get 20% off on all orders over \$20! Limited time offer, order now!

[Order Now](#)

Contact Us

Your Name
Your Email
Your Message

[Send Message](#)

© 2024 Foodie App. All rights reserved.

Result