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
4

CO-PO –PSO matricesofcourse

PO/PSO 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 21
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
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 "-"
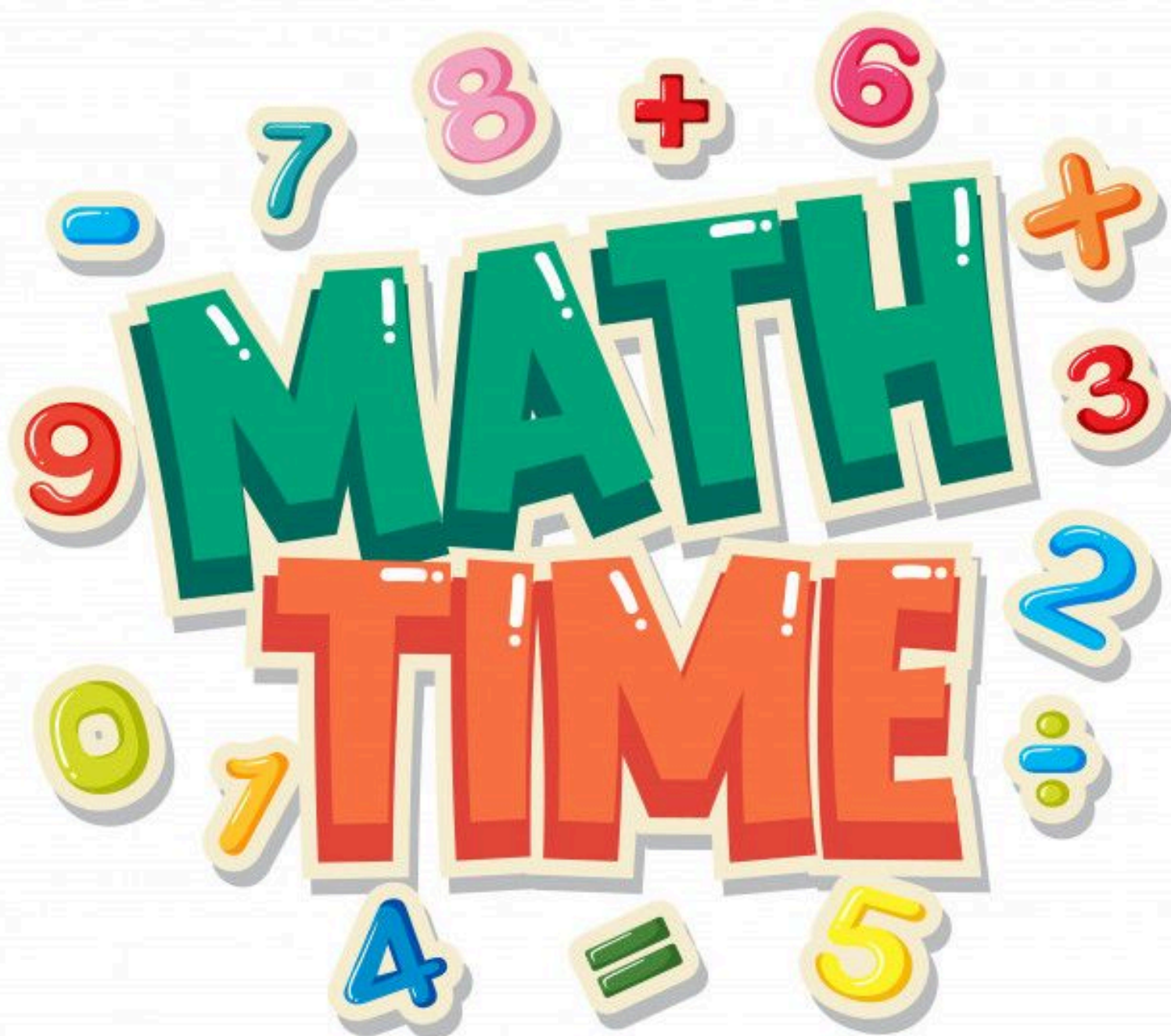
Expt. No.:1

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:

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:

Result:

Expt. No.:3

Date:

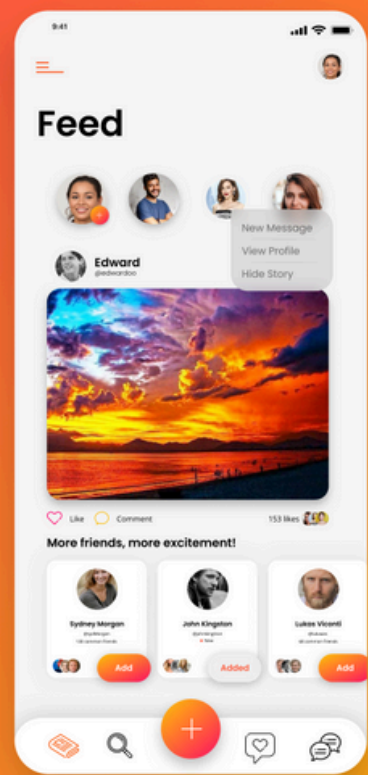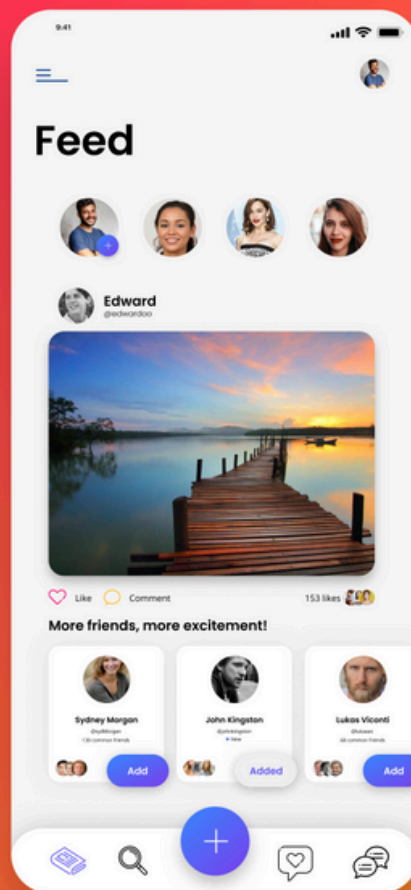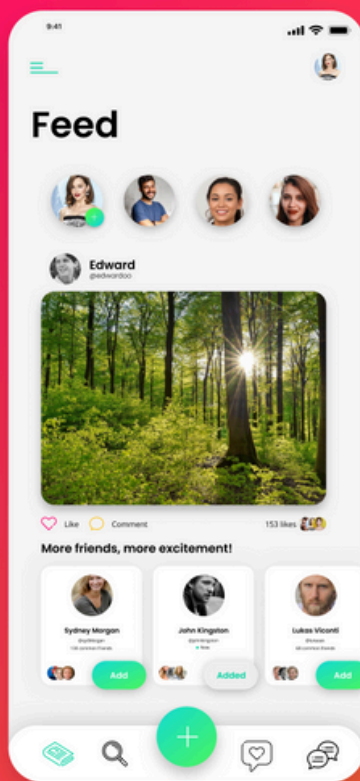## Design a social media website and chat

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:

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
こんにちは
 እፎ ሰላም ነው
Zdravo
Բարեւ Ձեզ
हैलो
TERE
Merhaba
добры дзень
بيلو
Olá
مرحبا
Hello
Hola
വണക്കம്
你好
Dia dhuit
Bonjour
नमस्कार
สวัสดี
Сәлам
Kaixo
Salom
Здравствуйте
ဟယ်လို
Buna
Ciao
Witaj
Hei
سلام
Talofa
హలో
Hoi
ஹலோ
Mholo
Lumela
ਹੈਲੋ
Привет
ھیلو
ഹലോ
ওহেলো
یاخشیمۇسىز
Sawubona
Halo
Kumusta
Hej
გამარჯობა
Mhoro
Përshëndetje
Сәлеметсіз бе
Здраво
Haye
Салом
নমস্তে
ಹಲೋ
Slav
xin chào
Alo
Bonghjornu
여보세요
Muraho
ສະບາຍດີ
Здраво
नमस्कार
Sveiki
Salve
Bongu
Salama
ഹലോ
नमस्कार
Сайн уу
Moni
Szia
Sannu
Helo
Nyob zoo
Χαίρετε
Pẹlẹ o
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:

vivo

V15

New Price

₹**19,990/-**

Old Price

~~₹21,990/-~~

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:

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

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:

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:

Order Now

Delicious Food

Yummy delicious and savory

About Food

Delicious and savory delicious food with premium quality ingredients

Order Now
123-456-7890

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;
bo rder: 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>
```