

Assignment Evaluation Report
BACHELOR OF ENGINEERING
in Computer Science and Engineering

Course: UI/UX (UCS 542)

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Submitted To:
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ASSIGNMENT-1

Design a single page personal portfolio website using HTML and CSS. Your webpage must incorporate the following HTML & CSS features:

1. HTML Document Structure: <!DOCTYPE html>, <html>, <head>, <body>, <title>
2. Page Headings and Text: Use of <h1> to <h3> for sections like Name, Bio, Education and Text formatting: <p> , <i>, <u>, , , <mark>
3. Hyperlinks: External links (e.g., LinkedIn, GitHub), Internal page navigation (e.g., jump to Education, Projects)
4. Images: Profile photo with Image attributes: width, height, alt, title
5. Table: Academic qualifications table, Include headers, rows, rowspan, colspan, and styling
6. Lists: Ordered list for timeline, Unordered list for skills

Your web page layout should be like contain website

- Main website heading,
- Header with Tagline or short intro,
- Section 1: About Me (Paragraph + Image)
- Section 2: Education (Table with degree, year etc)
- Section 3: Skills (List with styled bullets/icons)
- Section 4: Projects (Text + link + optional image)
- Section 5: Contact (Email, social media links)
- Footer: "Made by [Your Name]"

HTML

```
<body>
  <header>
    <h1>My Portfolio</h1>
    <p><em>A simple and minimal personal webpage</em></p>

    <nav>
      <a href="#about">About</a>
      <a href="#education">Education</a>
      <a href="#skills">Skills</a>
      <a href="#projects">Projects</a>
      <a href="#contact">Contact</a>
    </nav>
  </header>

  <div class="container">
    <section id="about">
      <h2>About Me</h2>
      <p>
        Hello! I am <strong>John Doe</strong>, a passionate learner
        and aspiring developer. I enjoy working on
        <mark>creative web projects</mark> and exploring new
        technologies.
      </p>

      <p><i>I believe consistency is the key to growth.</i></p>

      
    </section>
```

```

<section id="education">
    <h2>Education</h2>

    <table>
        <tr>
            <th>Degree</th>
            <th>Institution</th>
            <th>Year</th>
        </tr>

        <tr>
            <td rowspan="2">B.Tech</td>
            <td>ABC Institute</td>
            <td>2025</td>
        </tr>
        <tr>
            <td colspan="2">Specialization: Computer Science</td>
        </tr>

        <tr>
            <td>High School</td>
            <td>XYZ School</td>
            <td>2021</td>
        </tr>
    </table>
</section>

```

```

<section id="skills">
    <h2>Skills</h2>

    <ul>
        <li>HTML & CSS</li>
        <li>JavaScript</li>
        <li>Python</li>
        <li>Git & GitHub</li>
    </ul>

    <h3>Learning Timeline</h3>
    <ol>
        <li>Started coding in 2021</li>
        <li>Learned web development in 2022</li>
        <li>Built projects in 2023</li>
        <li>Internship experience in 2024</li>
    </ol>
</section>

```

```

<section id="projects">
    <h2>Projects</h2>

    <p>
        <b>1. Portfolio Website</b> – A simple webpage using HTML & CSS
        <a href="https://github.com/" target="_blank"
            >View on GitHub</a>
    >
    </p>

    <p>
        <b>2. Mini JavaScript App</b>
        <a href="https://linkedin.com" target="_blank">Live Demo</a>
    </p>
</section>

```

```

<section id="contact">
    <h2>Contact</h2>

    <p>Email: <u>mehulrgupta@gmail.com</u></p>
    <p>Social Links:</p>
    <a href="https://www.linkedin.com/in/mehul-rgupta/" target="_blank"
        >LinkedIn</a>
    >
    | 
    <a href="https://github.com/mehul79/" target="_blank">GitHub</a>
</section>
</div>

<footer>Made by Mehul Gupta</footer>

```

Screenshots -

My Portfolio

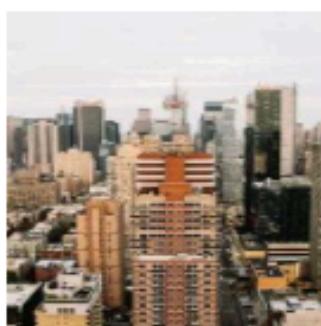
A simple and minimal personal webpage

[About](#) [Education](#) [Skills](#) [Projects](#) [Contact](#)

About Me

Hello! I am **John Doe**, a passionate learner and aspiring developer. I enjoy working on **creative web projects** and exploring new technologies.

I believe consistency is the key to growth.



Education

Degree	Institution	Year
B.Tech	ABC Institute Specialization: Computer Science	2025
High School	XYZ School	2021

Skills

- HTML & CSS
- JavaScript
- Python
- Git & GitHub

Learning Timeline

1. Started coding in 2021
2. Learned web development in 2022
3. Built projects in 2023
4. Internship experience in 2024

Projects

1. Portfolio Website — A simple webpage using HTML & CSS [View on GitHub](#)
2. Mini JavaScript App [Live Demo](#)

Contact

Email: mehulrgupta@gmail.com

Social Links:

[LinkedIn](#) | [GitHub](#)
Made by Mehul Gupta

ASSIGNMENT-2

Create a multipage website for a travel agency with following pages:

- Home page with an introduction and banner image
- Packages page with tour package details in a table
- A booking form (name, dates, destination, package selection)
- Gallery page with destination images and captions
- About Us or Contact Us page with social media links

Use table to show packages with price, duration, destination, booking form with multiple inputs and dropdowns, list of travel tips or must-visit places, embedded images with proper attributes and styling for layout.

Mehul Travels

Home Packages Booking Gallery About

Explore the world with us

Plan unforgettable journeys to stunning destinations. From tropical beaches to alpine escapes, our curated packages make travel simple and rewarding.

Why Choose Us

- Handpicked itineraries
- Transparent pricing
- 24/7 support

Must-Visit Places

- Paris, France
- Kyoto, Japan
- Banff, Canada
- Bali, Indonesia
- Cape Town, South Africa

Travel Tips

- Carry copies of essential documents
- Pack light and versatile layers
- Stay hydrated and take breaks
- Learn basic local phrases

Tour Packages

Home Packages Booking Gallery About

Popular Packages

Package	Destination	Duration	Price	Includes
Romantic Getaway	Paris, France	5 days	\$1,299	Hotel, city tour, breakfast
Cultural Escape	Kyoto, Japan	7 days	\$1,899	Ryokan stay, temple passes, rail pass
Mountain Adventure	Banff, Canada	6 days	\$1,599	Lodge, hikes, national park entry
Tropical Retreat	Bali, Indonesia	8 days	\$1,749	Resort, spa, island tour
Coastal Discovery	Cape Town, South Africa	6 days	\$1,499	Hotel, Table Mountain, wine route

Booking Form

Home Packages Booking Gallery About

Full Name
Your name

Email
you@example.com

Phone
+1 555 123 4567

Start Date
dd/mm/yyyy

End Date
dd/mm/yyyy

Destination
Select destination

Package
Select package

Number of Travelers
2

Budget (USD)
1500

Special Requests
Dietary needs, room preferences

Submit Booking

About Us

[Home](#) [Packages](#) [Booking](#) [Gallery](#) [About](#)

Mehul Travels

Lorem ipsum dolor sit amet consectetur adipisicing elit. Provident adipisci fugit ab accusamus laborum quibusdam sint officia delectus, quia aperiam sunt dolor ipsa blanditiis, expedita corrupti repellendus minus iste cum.

Contact: mehulrgupta@gmail.com • +9716585959

Connect with Us

[Twitter](#) [Instagram](#) [Facebook](#) [Book Now](#)

Destination Gallery

[Home](#) [Packages](#) [Booking](#) [Gallery](#) [About](#)



HTML

index.html

```
<body>
<header class="container">
  <h1>Mehul Travels</h1>
  <nav>
    <a href="index.html">Home</a>
    <a href="packages.html">Packages</a>
    <a href="booking.html">Booking</a>
    <a href="gallery.html">Gallery</a>
    <a href="about.html">About</a>
  </nav>
</header>

<main class="container">
  <section>
    <h2>Explore the world with us</h2>
    <p>Plan unforgettable journeys to stunning destinations. From tropical beaches to alpine escapes, our curated packages make travel simple and rewarding.</p>
  </section>
```

```
<section class="grid">
  <div class="card">
    <h3>Why Choose Us</h3>
    <ul>
      <li>Handpicked itineraries</li>
      <li>Transparent pricing</li>
      <li>24/7 support</li>
    </ul>
  </div>
  <div class="card">
    <h3>Must Visit Places</h3>
    <ul>
      <li>Paris, France</li>
      <li>Kyoto, Japan</li>
      <li>Banff, Canada</li>
      <li>Bali, Indonesia</li>
      <li>Cape Town, South Africa</li>
    </ul>
  </div>
  <div class="card">
    <h3>Travel Tips</h3>
    <ul>
      <li>Carry copies of essential documents</li>
      <li>Pack light and versatile layers</li>
      <li>Stay hydrated and take breaks</li>
      <li>Learn basic local phrases</li>
    </ul>
  </div>
</section>
```

about.html

```
<header class="container">
<h1>About Us</h1>
<nav>
<a href="index.html">Home</a>
<a href="packages.html">Packages</a>
<a href="booking.html">Booking</a>
<a href="gallery.html">Gallery</a>
<a href="about.html">About</a>
</nav>
</header>

<main class="container">
<section class="card">
<h2>Mehul Travels</h2>
<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Provident adipisci fugit ab accusamus laborum quibusdam sint officia delectus, quia aperiam sunt dolor ipsa blanditiis, expedita corrupti repellendus minus iste cum.</p>
<p>Contact: mehulrgupta@gmail.com +9716585959</p>
</section>

<section>
<h3>Connect with Us</h3>
<div class="social">
<a href="https://twitter.com" target="_blank">Twitter</a>
<a href="https://instagram.com" target="_blank">Instagram</a>
<a href="https://facebook.com" target="_blank">Facebook</a>
<a href="booking.html">Book Now</a>
</div>
</section>
</main>
```

```
body {
    font-family: Arial, sans-serif;
    margin: 0;
    color: #222;
}

header {
    background: #0e7ac7;
    color: #fff;
    padding: 16px;
}

nav a {
    color: #fff;
    text-decoration: none;
    padding: 6px 10px;
    border-radius: 4px;
    background: rgba(255, 255, 255, 0.15);
}

.container {
    max-width: 800px;
    margin: 0 auto;
    padding: 16px;
}

.social a {
    color: #0e7ac7;
    text-decoration: none;
}

.card {
    border: 1px solid #ddd;
    border-radius: 8px;
    padding: 12px;
}
```

```
</style>
```

booking.html

```
<header class="container">
  <h1>Booking Form</h1>
  <nav>
    <a href="index.html">Home</a>
    <a href="packages.html">Packages</a>
    <a href="booking.html">Booking</a>
    <a href="gallery.html">Gallery</a>
    <a href="about.html">About</a>
  </nav>
</header>

<main class="container">
  <form action="#" method="post">
    <div>
      <label for="name">Full Name</label>
      <input id="name" name="name" type="text" placeholder="Your name" required>
    </div>
    <div class="row">
      <div>
        <label for="email">Email</label>
        <input id="email" name="email" type="email" placeholder="you@example.com" required>
      </div>
      <div>
        <label for="phone">Phone</label>
        <input id="phone" name="phone" type="tel" placeholder="+1 555 123 4567" required>
      </div>
    </div>
  </div>
```

```
<div class="row">
  <div>
    <label for="start">Start Date</label>
    <input id="start" name="start" type="date" required>
  </div>
  <div>
    <label for="end">End Date</label>
    <input id="end" name="end" type="date" required>
  </div>
</div>
<div class="row">
  <div>
    <label for="destination">Destination</label>
    <select id="destination" name="destination" required>
      <option value="">Select destination</option>
      <option>Paris, France</option>
      <option>Kyoto, Japan</option>
      <option>Banff, Canada</option>
      <option>Bali, Indonesia</option>
      <option>Cape Town, South Africa</option>
    </select>
  </div>
```

ASSIGNMENT-3

Build a multi-page website for a college event information and participant registration with following pages:

- Homepage with Event name, date, and short description
- Events page listing different competitions (use `` or ``)
- A schedule or result table for events
- Registration form for participants
- A photo gallery page with multiple pictures in grid form.
- Contact and FAQs page

Use list to display events information with formatting, table for event schedule or results, form to register for events, links to social media and previous year gallery.

TechFest 2024
Annual Technical Festival

Home Events Schedule Registration Gallery Contact FAQs

Welcome to TechFest 2024

Event Details

Event Name: TechFest 2024
Date: March 15-17, 2024
Venue: College Main Campus

About the Event

TechFest 2024 is our annual technical festival that brings together students, professionals, and enthusiasts from various fields. This three-day event features exciting competitions, workshops, technical talks, and networking opportunities. Join us for an unforgettable experience filled with innovation, creativity, and learning. Participate in various competitions, attend informative sessions, and connect with like-minded individuals.

Highlights

- Multiple technical competitions
- Expert workshops and sessions
- Networking opportunities
- Exciting prizes and certificates
- Photo gallery and memories

Follow Us

[Facebook](#) | [Twitter](#) | [Instagram](#) | [LinkedIn](#)

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TechFest 2024
Annual Technical Festival

Home Events Schedule Registration Gallery Contact FAQs

Competitions & Events

Technical Competitions

- Code Sprint - Competitive programming challenge
- Hackathon - 24-hour coding marathon
- Web Design Contest - Create innovative web interfaces
- App Development - Build mobile applications
- Data Science Challenge - Analyse and visualize data

Robotics & Hardware

- 1. Robo Race - Autonomous robot racing competition
- 2. Line Follower Challenge - Navigate through complex tracks
- 3. Drone Competition - Aerial drone challenge
- 4. IoT Project Showcase - Internet of Things innovations

Gaming & Entertainment

- E-Sports Tournament - Multiplayer gaming competition
- Game Development - Create your own game
- Quiz Competitions - Technical knowledge quiz
- Treasure Hunt - Tech-themed scavenger hunt

Workshops & Seminars

- 1. AI & Machine Learning Workshop
- 2. Cloud Computing Seminar
- 3. Cybersecurity Awareness Session
- 4. Blockchain Technology Talk

Note: For detailed schedule and registration, please visit the [Schedule](#) and [Registration](#) pages.

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TechFest 2024
Annual Technical Festival

Home Events Schedule Registration Gallery Contact FAQs

Event Schedule

Date	Time	Event	Venue
March 15, 2024	9:00 AM - 10:00 AM	Opening Ceremony	Main Auditorium
March 16, 2024	9:00 AM - 9:00 PM (Next Day)	Hackathon (24 Hours)	Innovation Center
March 16, 2024	12:00 AM - 12:00 PM	Robo Race	Sports Complex

Results

Event	Winner	Runner-up	Second Runner-up
Code Sprint	Team Alpha	Team Beta	Team Gamma
Web Design Contest	Design Masters	Creative Minds	UI Experts

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TechFest 2024
Annual Technical Festival

Home Events Schedule Registration Gallery Contact FAQs

Participant Registration

Fill out the form below to register for TechFest 2024 events.

Full Name *

Email Address *

Phone Number *

College/Institution *

Year of Study *

Select Year

Select Events to Participate *

Code Sprint

Hackathon

Web Design Contest

Additional Comments or Questions

Any special requirements or questions...

Submit Registration

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TechFest 2024

Annual Technical Festival

Home Events Schedule Registration Gallery Contact FAQs

Photo Gallery

Capturing the moments from TechFest 2024



Opening Ceremony
Code Sprint Competition
Hackathon Participants
Robo-Race Event
Web Design Contest
E-Sports Tournament

Previous Year Gallery

Check out photos from our previous events:

[TechFest 2023 Gallery](#) | [TechFest 2022 Gallery](#)

TechFest 2024

Annual Technical Festival

Home Events Schedule Registration Gallery Contact FAQs

Contact Us

Event Organizing Committee

Email: mehul120@edu
Phone: +1234567891
Address: TSL5 Lab - 202

Registration Queries

Email: registration@techfest2024.edu
Phone: +912343212314

Follow Us on Social Media

[Facebook](#) | [Twitter](#) | [Instagram](#) | [LinkedIn](#) | [YouTube](#)

TechFest 2024

Annual Technical Festival

Home Events Schedule Registration Gallery Contact FAQs

Frequently Asked Questions (FAQs)

1. Who can participate in TechFest 2024?

TechFest 2024 is open to all college students. Participants can be from any year of study, including undergraduate and postgraduate students.

2. Is there a registration fee?

Most events are free to participate. However, some workshops may have a nominal fee. Please check the registration page for detailed information.

HTML

index.html

```
<body>
  <header>
    <h1>TechFest 2024</h1>
    <p>Annual Technical Festival</p>
  </header>

  <nav>
    <a href="index.html">Home</a>
    <a href="events.html">Events</a>
    <a href="schedule.html">Schedule</a>
    <a href="registration.html">Registration</a>
    <a href="gallery.html">Gallery</a>
    <a href="contact.html">Contact & FAQs</a>
  </nav>

  <div class="container">
    <h2>Welcome to TechFest 2024</h2>

    <div class="event-info">
      <h3>Event Details</h3>
      <p><strong>Event Name:</strong> TechFest 2024</p>
      <p><strong>Date:</strong> March 15-17, 2024</p>
      <p><strong>Venue:</strong> College Main Campus</p>
    </div>

    <h2>About the Event</h2>
    <p>
      TechFest 2024 is our annual technical festival that brings together students, professionals, and enthusiasts from various fields. This three-day event features exciting competitions, workshops, technical talks, and networking opportunities.
    </p>
    <p>
      Join us for an unforgettable experience filled with innovation, creativity, and learning. Participate in various competitions, attend informative sessions, and connect with like-minded individuals.
    </p>
  </div>
```

```

<div class="event-category">
    <h3>Workshops & Seminars</h3>
    <ol>
        <li><strong>AI & Machine Learning Workshop</strong></li>
        <li><strong>Cloud Computing Seminar</strong></li>
        <li><strong>Cybersecurity Awareness Session</strong></li>
        <li><strong>Blockchain Technology Talk</strong></li>
    </ol>
</div>

<p style="margin-top: 30px;">
    <strong>Note:</strong> For detailed schedule and registration, please visit the
    <a href="schedule.html">Schedule</a> and <a href="registration.html">Registration</a> pages.
</p>
</div>

<footer>
    <p>&copy; 2024 TechFest. All rights reserved.</p>
</footer>
</body>
</html>

```

```

<!doctype html>
<html>
    <head>
        <title>Events - TechFest 2024</title>
        <style>
            body {
                font-family: Arial, sans-serif;
                padding: 0px;
                margin: 0px;
                background: #f5f5f5;
            }
            header {
                background: #2c3e50;
                color: white;
                text-align: center;
                padding: 30px 0;
            }
            nav {
                background: #34495e;
                padding: 15px 0;
                text-align: center;
            }
            nav a {
                margin: 0 15px;
                text-decoration: none;
                color: white;
                font-size: 16px;
            }
        </style>
    </head>
    <body>
        <header>
            <h1>TechFest 2024</h1>
            <h2>Upcoming Events</h2>
        </header>
        <nav>
            <a href="#">Home</a>
            <a href="#">About</a>
            <a href="#">Events</a>
            <a href="#">Sponsorships</a>
            <a href="#">Contact</a>
        </nav>
        <main>
            <h3>Workshops & Seminars</h3>
            <ol>
                <li><strong>AI & Machine Learning Workshop</strong></li>
                <li><strong>Cloud Computing Seminar</strong></li>
                <li><strong>Cybersecurity Awareness Session</strong></li>
                <li><strong>Blockchain Technology Talk</strong></li>
            </ol>
            <hr>
            <h3>Keynote Speakers</h3>
            <ul>
                <li>Dr. Jane Smith</li>
                <li>Mr. John Doe</li>
                <li>Ms. Emily White</li>
            </ul>
            <hr>
            <h3>Ticket Prices</h3>
            <table>
                <thead>
                    <tr>
                        <th>Category</th>
                        <th>Price</th>
                    </tr>
                </thead>
                <tbody>
                    <tr>
                        <td>General Admission</td>
                        <td>$50</td>
                    </tr>
                    <tr>
                        <td>VIP Pass</td>
                        <td>$150</td>
                    </tr>
                    <tr>
                        <td>Press Pass</td>
                        <td>$20</td>
                    </tr>
                </tbody>
            </table>
            <hr>
            <h3>Schedule</h3>
            <table>
                <thead>
                    <tr>
                        <th>Day</th>
                        <th>Time</th>
                        <th>Event Type</th>
                    </tr>
                </thead>
                <tbody>
                    <tr>
                        <td>Saturday</td>
                        <td>10:00 AM - 12:00 PM</td>
                        <td>Workshop</td>
                    </tr>
                    <tr>
                        <td>Saturday</td>
                        <td>1:00 PM - 3:00 PM</td>
                        <td>Workshop</td>
                    </tr>
                    <tr>
                        <td>Saturday</td>
                        <td>4:00 PM - 6:00 PM</td>
                        <td>Workshop</td>
                    </tr>
                    <tr>
                        <td>Sunday</td>
                        <td>10:00 AM - 12:00 PM</td>
                        <td>Workshop</td>
                    </tr>
                    <tr>
                        <td>Sunday</td>
                        <td>1:00 PM - 3:00 PM</td>
                        <td>Workshop</td>
                    </tr>
                    <tr>
                        <td>Sunday</td>
                        <td>4:00 PM - 6:00 PM</td>
                        <td>Workshop</td>
                    </tr>
                </tbody>
            </table>
            <hr>
            <h3>Registration</h3>
            <p>Please register for the event by clicking the button below. Early bird discounts available until June 30th.</p>
            <button>Register Now</button>
        </main>
    </body>
</html>

```

schedule.html

```
<body>
  <header>
    <h1>TechFest 2024</h1>
    <p>Annual Technical Festival</p>
  </header>

  <nav>
    <a href="index.html">Home</a>
    <a href="events.html">Events</a>
    <a href="schedule.html">Schedule</a>
    <a href="registration.html">Registration</a>
    <a href="gallery.html">Gallery</a>
    <a href="contact.html">Contact & FAQs</a>
  </nav>

  <div class="container">
    <h2>Event Schedule</h2>

    <table>
      <tr>
        <th>Date</th>
        <th>Time</th>
        <th>Event</th>
        <th>Venue</th>
      </tr>
      <tr>
        <td>March 15, 2024</td>
        <td>9:00 AM - 10:00 AM</td>
        <td>Opening Ceremony</td>
        <td>Main Auditorium</td>
      </tr>
      <tr>
        <td>March 16, 2024</td>
        <td>9:00 AM - 9:00 AM (Next Day)</td>
        <td>Hackathon (24 Hours)</td>
        <td>Innovation Center</td>
      </tr>
      <tr>
        <td>March 16, 2024</td>
        <td>10:00 AM - 12:00 PM</td>
        <td>Robo Race</td>
        <td>Sports Complex</td>
      </tr>
    </table>

    <h2>Results</h2>

    <table>
      <tr>
        <th>Event</th>
```

```

table {
    width: 100%;
    border-collapse: collapse;
    margin: 20px 0;
}

th, td {
    border: 1px solid #ddd;
    padding: 12px;
    text-align: left;
}

th {
    background: #3498db;
    color: white;
    font-weight: bold;
}

footer {
    background: #2c3e50;
    color: white;
    text-align: center;
    padding: 20px 0;
    margin-top: 40px;
}

```

registration.html

```

<body>

    <header>
        <h1>TechFest 2024</h1>
        <p>Annual Technical Festival</p>
    </header>

    <nav>
        <a href="index.html">Home</a>
        <a href="events.html">Events</a>
        <a href="schedule.html">Schedule</a>
        <a href="registration.html">Registration</a>
        <a href="gallery.html">Gallery</a>
        <a href="contact.html">Contact & FAQs</a>
    </nav>

    <div class="container">
        <h2>Participant Registration</h2>
        <p>Fill out the form below to register for TechFest 2024 events.</p>

        <form>
            <div class="form-group">
                <label for="name">Full Name *</label>
                <input type="text" id="name" name="name" required>
            </div>

            <div class="form-group">
                <label for="email">Email Address *</label>
                <input type="email" id="email" name="email" required>
            </div>
        </form>
    </div>

```

gallery.html

```
<body>
    <header>
        <h1>TechFest 2024</h1>
        <p>Annual Technical Festival</p>
    </header>

    <nav>
        <a href="index.html">Home</a>
        <a href="events.html">Events</a>
        <a href="schedule.html">Schedule</a>
        <a href="registration.html">Registration</a>
        <a href="gallery.html">Gallery</a>
        <a href="contact.html">Contact & FAQs</a>
    </nav>

    <div class="container">
        <h2>Photo Gallery</h2>
        <p>Capturing the moments from TechFest 2024</p>

        <div class="gallery-grid">
            <div class="gallery-item">
                
                <p>Opening Ceremony</p>
            </div>
            <div class="gallery-item">
                
            </div>
            <div class="gallery-item">
                
                <p>Robo Race Event</p>
            </div>
            <div class="gallery-item">
                
                <p>Web Design Contest</p>
            </div>
            <div class="gallery-item">
                
                <p>E-Sports Tournament</p>
            </div>
        </div>
    </div>
```

contact.html

```
<body>
  <header>
    <h1>TechFest 2024</h1>
    <p>Annual Technical Festival</p>
  </header>

  <nav>
    <a href="index.html">Home</a>
    <a href="events.html">Events</a>
    <a href="schedule.html">Schedule</a>
    <a href="registration.html">Registration</a>
    <a href="gallery.html">Gallery</a>
    <a href="contact.html">Contact & FAQs</a>
  </nav>

  <div class="container">
    <h2>Contact Us</h2>

    <div class="contact-info">
      <h3>Event Organizing Committee</h3>
      <p><strong>Email:</strong> mehul123@.edu</p>
      <p><strong>Phone:</strong> +1234567891</p>
      <p><strong>Address:</strong> TSLS Lab - 202 </p>
    </div>
  </div>
```

```
  <footer>
    <p>&copy; 2024 TechFest. All rights reserved.</p>
  </footer>
</body>
</html>
```

```
<head>
<body>
<header>
  <h1>TechFest 2024</h1>
  <p>Annual Technical Festival</p>
</header>
<nav>
  <a href="../a3/index.html">Home</a>
  <a href="../a3/events.html">Events</a>
  <a href="../a3/schedule.html">Schedule</a>
  <a href="../a3/registration.html">Registration</a>
  <a href="../a3/gallery.html">Gallery</a>
  <a href="../a3/contact.html">Contact</a>
  <a href="faq.html">FAQs</a>
</nav>
<div class="container">
  <h2>Frequently Asked Questions (FAQs)</h2>
  <div class="faq-item">
    <h3>1. Who can participate in TechFest 2024?</h3>
    <p>
      TechFest 2024 is open to all college students. Participants can be from any year of study, including undergraduate and postgraduate students.
    </p>
  </div>
  <div class="faq-item">
    <h3>2. Is there a registration fee?</h3>
    <p>
      Most events are free to participate. However, some workshops may have a
    </p>
  </div>
</div>
<footer>
  <p>&copy; 2024 TechFest. All rights reserved.</p>
</footer>
</body>
</html>
```

```
<head>
  <title>FAQs - TechFest 2024</title>
<style>
  body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background: #f5f5f5;
  }

  header {
    background: #2c3e50;
    color: white;
    text-align: center;
    padding: 30px 0;
  }

  nav {
    background: #34495e;
    padding: 15px 0;
    text-align: center;
  }

  nav a {
    margin: 0 15px;
    text-decoration: none;
    color: white;
    font-size: 16px;
  }
```

```
.container {
  width: 80%;
  max-width: 1000px;
  margin: 30px auto;
  padding: 20px;
  background: white;
  border-radius: 5px;
}

h1 {
  margin: 0;
  font-size: 36px;
}

h2 {
  color: #2c3e50;
  border-bottom: 2px solid #34495e;
  padding-bottom: 10px;
}
```

ASSIGNMENT-4

Upgrade the multi-page website developed in Assignment 3 for the college event by adding advanced styling and multimedia features to make it more engaging, interactive, and responsive.

- Implement multiple CSS selectors (element, class, ID, attribute, pseudo-classes, and pseudo-elements) for precise styling.
- Apply CSS Box Model properties (margin, padding, border) to improve spacing and layout structure.
- Use Flexbox for aligning and distributing content in key sections
- Design a responsive gallery using CSS Grid for displaying event images.
- Update home page to embed a video section showcasing highlights from previous events.
- Update the schedule page to include an audio message to greet or guide participants.
- Ensure the site is fully responsive and works smoothly across mobile, tablet, and desktop devices.

TechFest 2024
Annual Technical Festival

[Home](#) [Events](#) [Schedule](#) [Registration](#) [Gallery](#) [Contact & FAQs](#)

Welcome to TechFest 2024

Event Details

Event Name: TechFest 2024
Date: March 10-12, 2024
Venue: College Main Campus

About the Event

TechFest 2024 is our annual technical festival that brings together students, professionals, and enthusiasts from various fields. This three-day event features exciting competitions, workshops, technical talks, and networking opportunities. Come and experience the vibrant atmosphere filled with innovation, creativity, and learning. Participate in various competitions, attend informative sessions, and connect with like-minded individuals.

Highlights

[View all technical competitions](#) [Expert workshops and seminars](#) [Networking opportunities](#) [Exhibiting zones and certificates](#) [Photo gallery and memories](#)

Event Highlights Video



[View more details](#)

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Event Schedule

► 0/0 / 6/12 ◀

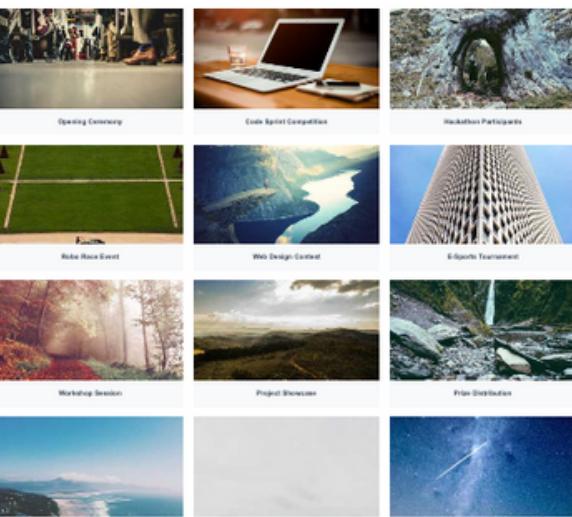
Date	Time	Event	Venue
March 10, 2024	9:00 AM - 10:00 AM	Opening Ceremony	Main Auditorium
March 10, 2024	10:30 AM - 12:30 PM	Code Sprint - Round 1	Computer Lab A
March 10, 2024	2:00 PM - 4:00 PM	Web Design Contest	Computer Lab B
March 10, 2024	4:30 PM - 6:00 PM	AI & ML Workshop	Senate Hall

Results

Event	Winner	Runner-up	Second Runner-up
Code Sprint	Team Alpha	Team Beta	Team Gamma
Web Design Contest	Design Masters	Creative Minds	UI Experts

Photo Gallery

Capturing the moments from TechFest 2024



[View all photos](#)

Previous Year Gallery
Check out photos from our previous events:

[TechFest 2023 Gallery](#) [TechFest 2022 Gallery](#)

TechFest 2024
Annual Technical Festival

[Home](#) [Events](#) [Schedule](#) [Registration](#) [Gallery](#) [Contact & FAQs](#)

Contact Us

Event Organizing Committee

Email: psy@techfest2024.edu
Phone: +1 (555) 123-4567
Address: College Main Campus, Tech Building, Room 101
Office Hours: Monday - Friday, 9:00 AM - 5:00 PM

[Facebook Page](#)

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HTML

index.html

```
<body>
  <header id="main-header">
    <h1>TechFest 2024</h1>
    <p>Annual Technical Festival</p>
  </header>

  <nav class="nav-container">
    <a href="#">index.html>Home</a>
    <a href="#">events.html>Events</a>
    <a href="#">schedule.html>Schedule</a>
    <a href="#">registration.html>Registration</a>
    <a href="#">gallery.html>Gallery</a>
    <a href="#">contact.html>Contact & FAQs</a>
  </nav>

  <div class="container">
    <h2>Welcome to TechFest 2024</h2>

    <div class="event-info">
      <h3>Event Details</h3>
      <p><strong>Event Name:</strong> TechFest 2024</p>
      <p><strong>Date:</strong> March 15-17, 2024</p>
      <p><strong>Venue:</strong> College Main Campus</p>
    </div>
```

```
.container {  
    width: 90%;  
    max-width: 1200px;  
    margin: 30px auto;  
    padding: 20px;  
    background: #white;  
}  
  
h1 {  
    margin: 0;  
    font-size: 36px;  
}  
  
h2 {  
    color: #2c3e50;  
    margin-bottom: 20px;  
}  
  
.event-info {  
    background: #ecf0f1;  
    padding: 25px;  
    margin: 25px 0;  
}  
  
.event-info h3 {  
    margin-top: 0;  
    margin-bottom: 15px;  
    color: #2c3e50;  
}  
  
.event-info p {  
    margin: 10px 0;  
}
```

```
.highlights-list {  
    display: flex;  
    flex-wrap: wrap;  
    gap: 15px;  
    list-style: none;  
    padding: 0;  
}  
  
.highlights-list li {  
    flex: 1 1 200px;  
    background: #f8f9fa;  
    border: 1px solid #ccc;  
    padding: 15px;  
    margin: 5px 0;  
}  
  
/* Video Section */  
.video-section {  
    margin: 30px 0;  
    padding: 20px;  
    background: #f8f9fa;  
}  
  
video {  
    width: 100%;  
    height: auto;  
    display: block;  
    margin: 20px 0;  
}  
  
.social-links a:hover {  
    text-decoration: underline;  
}  
  
footer {
```

```
    background: #2c3e50;  
    color: white;  
    text-align: center;  
    padding: 25px 0;  
    margin-top: 40px;  
    border-top: 4px solid #3498db;  
}  
  
@media (max-width: 768px) {  
    h1 {  
        font-size: 28px;  
    }  
  
    nav a {  
        display: block;  
        margin: 5px 0;  
        padding: 10px;  
    }  
  
.container {  
    width: 95%;  
    padding: 15px;  
}  
  
.highlights-list {  
    flex-direction: column;  
}  
  
.highlights-list li {  
    flex: 1 1 100%;  
}  
  
.social-links {  
    flex-direction: column;  
    align-items: center;  
}
```

```
@media (max-width: 480px) {  
    h1 {  
        font-size: 24px;  
    }  
  
    h2 {  
        font-size: 20px;  
    }  
  
.event-info {  
    padding: 15px;  
    margin: 15px 0;  
}
```

events.html

```
<body>
  <header id="main-header">
    <h1>TechFest 2024</h1>
    <p>Annual Technical Festival</p>
  </header>

  <nav class="nav-container">
    <a href="index.html">Home</a>
    <a href="events.html">Events</a>
    <a href="schedule.html">Schedule</a>
    <a href="registration.html">Registration</a>
    <a href="gallery.html">Gallery</a>
    <a href="contact.html">Contact & FAQs</a>
  </nav>

  <div class="container">
    <h2>Competitions & Events</h2>

    <div class="events-container">
      <div class="event-category">
        <h3>Technical Competitions</h3>
        <ul>
          <li><strong>Code Sprint</strong> - Competitive programming challenge</li>
          <li><strong>Hackathon</strong> - 24-hour coding marathon</li>
          <li><strong>Web Design Contest</strong> - Create innovative web interfaces</li>
          <li><strong>App Development</strong> - Build mobile applications</li>
          <li><strong>Data Science Challenge</strong> - Analyze and visualize data</li>
        </ul>
      </div>

      <div class="event-category">
        <h3>Robotics & Hardware</h3>
        <ol>
          <li><strong>Robo Race</strong> - Autonomous robot racing competition</li>
          <li><strong>Line Follower Challenge</strong> - Navigate through complex tracks</li>
          <li><strong>Drone Competition</strong> - Aerial drone challenges</li>
          <li><strong>IoT Project Showcase</strong> - Internet of Things innovations</li>
        </ol>
      </div>
    </div>
  </div>
```

```
<div class="event-category">
  <h3>Gaming & Entertainment</h3>
  <ul>
    <li><strong>E-Sports Tournament</strong> - Multiplayer gaming competition</li>
    <li><strong>Game Development</strong> - Create your own game</li>
    <li><strong>Quiz Competition</strong> - Technical knowledge quiz</li>
    <li><strong>Treasure Hunt</strong> - Tech-themed scavenger hunt</li>
  </ul>
</div>

<div class="event-category">
  <h3>Workshops & Seminars</h3>
  <ol>
    <li><strong>AI & Machine Learning Workshop</strong></li>
    <li><strong>Cloud Computing Seminar</strong></li>
    <li><strong>Cybersecurity Awareness Session</strong></li>
    <li><strong>Blockchain Technology Talk</strong></li>
  </ol>
</div>
</div>

<footer>
  <p>© 2024 TechFest. All rights reserved.</p>
</footer>
</body>
</html>
```

schedule.html

```
<body>
  <header id="main-header">
    <h1>TechFest 2024</h1>
    <p>Annual Technical Festival</p>
  </header>

  <nav class="nav-container">
    <a href="index.html">Home</a>
    <a href="events.html">Events</a>
    <a href="schedule.html">Schedule</a>
    <a href="registration.html">Registration</a>
    <a href="gallery.html">Gallery</a>
    <a href="contact.html">Contact & FAQs</a>
  </nav>

  <div class="container">
    <h2>Event Schedule</h2>

    <!-- Audio Message Section -->
    <div class="audio-section">
      <audio controls>
        <source src="https://www.soundhelix.com/examples/mp3/SoundHelix-Song-1.mp3" type="audio/mpeg">
        Your browser does not support the audio element.
      </audio>
    </div>

    <div class="table-container">
      <table>
        <tr>
          <th>Date</th>
          <th>Time</th>
          <th>Event</th>
          <th>Venue</th>
        </tr>
        <tr>
          <td>March 15, 2024</td>
          <td>9:00 AM - 10:00 AM</td>
          <td>Opening Ceremony</td>
          <td>Main Auditorium</td>
        </tr>
        <tr>
          <td>March 15, 2024</td>
          <td>10:30 AM - 12:30 PM</td>
          <td>Code Sprint - Round 1</td>
          <td>AI & ML Workshop</td>
          <td>Seminar Hall</td>
        </tr>
      </table>
    </div>
  </div>
```

```
          <td>AI & ML Workshop</td>
          <td>Seminar Hall</td>
        </tr>
      </table>
    </div>
```

```
    <h2>Results</h2>
```

```
    <div class="table-container">
      <table>
        <tr>
          <th>Event</th>
          <th>Winner</th>
          <th>Runner-up</th>
          <th>Second Runner-up</th>
        </tr>
        <tr>
          <td>Code Sprint</td>
          <td>Team Alpha</td>
          <td>Team Beta</td>
          <td>Team Gamma</td>
        </tr>
        <tr>
          <td>Web Design Contest</td>
          <td>Design Masters</td>
          <td>Creative Minds</td>
          <td>UI Experts</td>
        </tr>
      </table>
    </div>
```

registration.html

```
<body>
  <header id="main-header">
    <h1>TechFest 2024</h1>
    <p>Annual Technical Festival</p>
  </header>

  <nav class="nav-container">
    <a href="index.html">Home</a>
    <a href="events.html">Events</a>
    <a href="schedule.html">Schedule</a>
    <a href="registration.html">Registration</a>
    <a href="gallery.html">Gallery</a>
    <a href="contact.html">Contact & FAQs</a>
  </nav>

  <div class="container">
    <h2>Participant Registration</h2>
    <p>Fill out the form below to register for TechFest 2024 events.</p>

    <form>
      <div class="form-group">
        <label for="name">Full Name *</label>
        <input type="text" id="name" name="name" required>
      </div>

      <div class="form-group">
        <label for="email">Email Address *</label>
        <input type="email" id="email" name="email" required>
      </div>

      <div class="form-group">
        <label for="phone">Phone Number *</label>
        <input type="tel" id="phone" name="phone" required>
      </div>

      <div class="form-group">
        <label for="college">College/Institution *</label>
        <input type="text" id="college" name="college" required>
      </div>
    </form>
  </div>
```

```

<div class="form-group">
  <label for="year">Year of Study </label>
  <select id="year" name="year" required>
    <option value="">Select Year</option>
    <option value="1">First Year</option>
    <option value="2">Second Year</option>
    <option value="3">Third Year</option>
    <option value="4">Fourth Year</option>
    <option value="pg">Post Graduate</option>
  </select>
</div>

<div class="form-group">
  <label>Select Events to Participate </label>
  <div class="checkbox-group">
    <input type="checkbox" id="event1" name="events" value="code-sprint">
    <label for="event1">Code Sprint</label>
  </div>
  <div class="checkbox-group">
    <input type="checkbox" id="event2" name="events" value="hackathon">
    <label for="event2">Hackathon</label>
  </div>
  <div class="checkbox-group">
    <input type="checkbox" id="event3" name="events" value="web-design">
    <label for="event3">Web Design Contest</label>
  </div>
</div>

<div class="form-group">
  <label for="comments">Additional Comments or Questions</label>
  <textarea id="comments" name="comments" placeholder="Any special requirements or questions..."/>
</div>

<button type="submit">Submit Registration</button>
</form>
</div>
</body>
</html>

```

```

.container {
  width: 98%;
  max-width: 800px;
  margin: 30px auto;
  padding: 20px;
  background: #fff;
  border-radius: 8px;
  border: 2px solid #e0e0e0;
}

```

```

h1 {
  margin: 0;
  font-size: 36px;
}

/* Pseudo-element Selector */
h2::before {
  content: "📝 ";
  color: #3498db;
}

```

```

h2 {
  color: #2c3e50;
  border-bottom: 3px solid #3498db;
  padding-bottom: 10px;
  margin-bottom: 20px;
}

form {
  margin: 20px 0;
}

```

```

.form-group {
  margin: 20px 0;
  padding: 15px;
  background: #f8f9fa;
  border: 2px solid #e0e0e0;
  border-radius: 5px;
}

```

```

.checkbox-group label,
.radio-group label {
  display: flex;
  align-items: center;
  font-weight: normal;
  margin: 0;
  padding: 8px 12px;
  background: #fff;
  border: 2px solid #ddd;
  border-radius: 4px;
  cursor: pointer;
  transition: all 0.3s;
}

.checkbox-group label:hover,
.radio-group label:hover {
  border-color: #3498db;
  background: #f0f8ff;
}

input[type="checkbox"],
input[type="radio"] {
  width: auto;
  margin-right: 8px;
}

/* Pseudo-class for checked state */
input[type="checkbox"]:checked + label,
input[type="radio"]:checked + label {
  background: #e8f4f8;
  border-color: #3498db;
}

```

gallery.html

```
<body>
  <header id="main-header">
    <h1>TechFest 2024</h1>
    <p>Annual Technical Festival</p>
  </header>

  <nav class="nav-container">
    <a href="index.html">Home</a>
    <a href="events.html">Events</a>
    <a href="schedule.html">Schedule</a>
    <a href="registration.html">Registration</a>
    <a href="gallery.html">Gallery</a>
    <a href="contact.html">Contact & FAQs</a>
  </nav>

  <div class="container">
    <h2>Photo Gallery</h2>
    <p>Capturing the moments from TechFest 2024</p>

    <div class="gallery-grid">
      <div class="gallery-item">
        
        <p>Opening Ceremony</p>
      </div>
      <div class="gallery-item">
        
        <p>Code Sprint Competition</p>
      </div>
      <div class="gallery-item">
        
        <p>Hackathon Participants</p>
      </div>
      <div class="gallery-item">
        
        <p>Robo Race Event</p>
      </div>
      <div class="gallery-item">
        
        <p>Web Design Contest</p>
      </div>
      <div class="gallery-item">
        
        <p>E-Sports Tournament</p>
      </div>
    </div>
  </div>
```

```
<div class="gallery-item">
  
  <p>Networking Session</p>
</div>
<div class="gallery-item">
  
  <p>Closing Ceremony</p>
</div>
<div class="gallery-item">
  
  <p>Group Photo</p>
</div>
</div>

<div class="previous-gallery">
  <h3>Previous Year Gallery</h3>
  <p>Check out photos from our previous events:</p>
  <div class="link-container">
    <a href="https://example.com/gallery-2023" target="_blank">TechFest 2023 Gallery</a>
    <a href="https://example.com/gallery-2022" target="_blank">TechFest 2022 Gallery</a>
  </div>
</div>
</div>

<footer>
  <p>&copy; 2024 TechFest. All rights reserved.</p>
</footer>
</body>
</html>
```

```

<style>
  /* Element Selector */
  * {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
  }

  body {
    font-family: Arial, sans-serif;
    background: #f5f5f5;
    line-height: 1.6;
  }

  /* ID Selector */
  #main-header {
    background: #2c3e50;
    color: white;
    text-align: center;
    padding: 30px 0;
    border-bottom: 4px solid #3498db;
  }

  /* Class Selector */
  .nav-container {
    background: #34495e;
    padding: 15px 0;
  }

  /* Attribute Selector */
  nav a[href] {
    margin: 0 15px;
    text-decoration: none;
    color: white;
    font-size: 16px;
    padding: 8px 12px;
  }

  /* Pseudo-class Selector */
  nav a:hover {
    text-decoration: underline;
  }

```

```

  .container {
    width: 90%;
    max-width: 1200px;
    margin: 30px auto;
    padding: 20px;
    background: white;
  }

  h1 {
    margin: 0;
    font-size: 36px;
  }

  h2 {
    color: #2c3e50;
    margin-bottom: 20px;
  }

  /* CSS Grid for Gallery */
  .gallery-grid {
    display: grid;
    grid-template-columns: repeat(auto-fit, minmax(280px, 1fr));
    gap: 20px;
    margin: 30px 0;
  }

  .gallery-item {
    margin: 0;
    padding: 0;
  }

  .gallery-item img {
    width: 100%;
    height: 200px;
    object-fit: cover;
    display: block;
  }

```

contact.html

```
<body>
  <header id="main-header">
    <h1>TechFest 2024</h1>
    <p>Annual Technical Festival</p>
  </header>

  <nav class="nav-container">
    <a href="index.html">Home</a>
    <a href="events.html">Events</a>
    <a href="schedule.html">Schedule</a>
    <a href="registration.html">Registration</a>
    <a href="gallery.html">Gallery</a>
    <a href="contact.html">Contact & FAQs</a>
  </nav>

  <div class="container">
    <h2>Contact Us</h2>

    <div class="contact-sections">
      <div class="contact-info">
        <h3>Event Organizing Committee</h3>
        <p><strong>Email:</strong> <a href="mailto:info@techfest2024.edu">info@techfest2024.edu</a></p>
        <p><strong>Phone:</strong> +1 (555) 123-4567</p>
        <p><strong>Address:</strong> College Main Campus, Tech Building, Room 101</p>
        <p><strong>Office Hours:</strong> Monday - Friday, 9:00 AM - 5:00 PM</p>
      </div>
    </div>

    <div class="social-links">
      <a href="https://facebook.com" target="_blank">Facebook</a>
      <a href="https://twitter.com" target="_blank">Twitter</a>
    </div>
  </div>
  <div>
    <small>© 2024 TechFest. All rights reserved.</small>
  </div>
</body>

</html>
```

```
<style>
  /* Element Selector */
  * {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
  }

  body {
    font-family: Arial, sans-serif;
    background: #f5f5f5;
    line-height: 1.6;
  }

  /* ID Selector */
  #main-header {
    background: #2c3e50;
    color: white;
    text-align: center;
    padding: 30px 0;
    border-bottom: 4px solid #3498db;
  }

  /* Class Selector */
  .nav-container {
    background: #34495e;
    padding: 15px 0;
  }

  /* Attribute Selector */
  nav a[href] {
    margin: 0 15px;
    text-decoration: none;
    color: white;
    font-size: 16px;
    padding: 8px 12px;
  }
```

```
h1 {
  margin: 0;
  font-size: 36px;
}

h2 {
  color: #2c3e50;
  margin-bottom: 20px;
}

/* Flexbox for Contact Info Sections */
.contact-sections {
  display: flex;
  flex-direction: column;
  gap: 20px;
}

/* Box Model - Margin, Padding, Border */
.contact-info {
  background: #ecf0f1;
  padding: 25px;
  margin-bottom: 20px;
}

.contact-info h3 {
  margin-top: 0;
  margin-bottom: 15px;
  color: #2c3e50;
}

.contact-info p {
  margin: 10px 0;
}

footer {
  background: #2c3e50;
  color: white;
  text-align: center;
  padding: 25px 0;
  margin-top: 40px;
  border-top: 4px solid #3498db;
}
```

ASSIGNMENT-5

- i. Write a JavaScript program to take two numbers as input from user and display their sum, difference, product, and quotient.
- ii. Write a JavaScript program to create an array of 5 numbers and:
Find the largest and smallest number.
Sort the array in ascending and descending order.
- iii. Create a simple form with fields for name, email, and age. Write JavaScript to validate that:
The name field is not empty.
The email is in the correct format.
The age is a number between 18 and 100.
- iv. Write a JavaScript program to create an object representing a student (with properties like name, age, grades) and perform the following operations:
Add a new property class.
Update the student's grade.
Display all the student's information.
- v. Create a function that takes an array of numbers and uses the array's built-in methods (like map(), reduce(), and filter()) to:
Remove all odd numbers.
Multiply the remaining numbers by 2.
Find the sum of the resulting numbers.

index.js

```
// i
let a = Number(prompt("Enter first number:"))
let b = Number(prompt("Enter second number:"))
console.log("Sum:", a + b)
console.log("Difference:", a - b)
console.log("Product:", a * b)
console.log("Quotient:", a / b)

// ii
let arr = [10, 4, 25, 7, 2]
let largest = Math.max(...arr)
let smallest = Math.min(...arr)
console.log("Largest:", largest)
console.log("Smallest:", smallest)
console.log("Ascending:", [...arr].sort((x, y) => x - y))
console.log("Descending:", [...arr].sort((x, y) => y - x))

// iii
function validateForm() {
    let name = document.getElementById("name").value
    let email = document.getElementById("email").value
    let age = Number(document.getElementById("age").value)
    let emailPattern = /^[^@\s]+@[^\s]+\.\w+$/i
    if (!name) return false
    if (!emailPattern.test(email)) return false
    if (!(age >= 18 && age <= 100)) return false
    return true
}

// iv
let student = { name: "John", age: 20, grades: 85 }
student.class = "B"
student.grades = 90
console.log(student)

// v
function processArray(arr) {
    return arr
        .filter(n => n % 2 == 0)
        .map(n => n * 2)
        .reduce((a, b) => a + b, 0)
}
console.log(processArray([1, 2, 3, 4, 5, 6]))
```

JavaScript Demo

Form Validation

Name:

Email:

Age:

```
Sum: 5
Difference: -1
Product: 6
Quotient: 0.6666666666666666
Largest: 25
Smallest: 2
Ascending: [ 2, 4, 7, 10, 25 ]
Descending: [ 25, 10, 7, 4, 2 ]
{ name: 'John', age: 20, grades: 90, class: 'B' }
```

24

ASSIGNMENT-6

Modify Assignment 2 such that

- Read/modify attributes (e.g., gallery thumbnails, data-* attributes).
- Style updates via JS (active nav, gallery layout toggles).
- Variables, arrays/objects for packages.
- Operators & control flow for pricing logic.
- Functions for form validation, price calculation.
- Loops to render packages and gallery.

Perform following tasks:

Packages table from data (loops + functions):

- Define an array of package objects: { id, destination, durationDays, basePrice, season }.

- Render the table; add a column "Final Price" computed in JS using operators and if/switch (e.g., seasonal multiplier, weekend surcharge).

Booking price estimator (form + control flow):

- On change of dates/package, compute estimated total:

- nights = (checkOut - checkIn) (Date math)

- guests multiplier (e.g., +20% if >2)

- promoCode switch/case (e.g., "EARLYBIRD" → -10%)

- Show live total; disable submit if any required field invalid.

Gallery with attribute-driven modal (HTML attributes + CSS via JS):

- Thumbnails have data-large attribute pointing to large image.

- On click, open a modal, set src from data-large, set alt/title accordingly.

- Nav highlight + scroll behavior (CSS via JS):

- Add/ remove active class on current page link.

Mehul Travels

Home Packages Booking Gallery About

Explore the world with us

Plan unforgettable journeys to stunning destinations. From tropical beaches to alpine escapes, our curated packages make travel simple and rewarding.

Why Choose Us

- Handpicked itineraries
- Transparent pricing
- 24/7 support

Must-Visit Places

- Paris, France
- Kyoto, Japan
- Banff, Canada
- Bali, Indonesia
- Cape Town, South Africa

Travel Tips

- Carry copies of essential documents
- Pack light and versatile layers
- Stay hydrated and take breaks
- Learn basic local phrases

Destination Gallery

Home Packages Booking Gallery About



[Toggle Dense Layout](#)

Booking Form

Home Packages Booking Gallery About

Full Name
mehul

Email
mehulrgupta@gmail.com

Phone
+919716585958

Start Date
27/11/2025

End Date
03/12/2025

Destination
Kyoto, Japan

Package
Romantic Getaway

Number of Travelers
2

Budget (USD)
3000

Promo Code
EARLYBIRD

Total Estimate
\$1,403

Special Requests
Dietary needs, room preferences

[Submit Booking](#)

```

function updateEstimate() {
  const pkgName = document.getElementById('package').value;
  const start = document.getElementById('start').value;
  const end = document.getElementById('end').value;
  const guests = parseInt(document.getElementById('travelers').value || '0', 10);
  const code = document.getElementById('promo').value;
  const submit = document.getElementById('submit');
  const estimateEl = document.getElementById('estimate');
  const name = document.getElementById('name').value.trim();
  const email = document.getElementById('email').value.trim();
  const phone = document.getElementById('phone').value.trim();
  const dest = document.getElementById('destination').value;

  const nights = computeNights(start, end);
  const pkg = packages.find(p => p.name === pkgName);
  let valid = !name && !email && !phone && !dest && !pkg && nights > 0 && guests >= 1;

  let total = 0;
  if (pkg && nights > 0) {
    const base = perNightPrice(pkg) * nights;
    const mult = guestsMultiplier(guests);
    const disc = promoDiscount(code);
    total = Math.round(base * mult * (1 - disc));
  }
  estimateEl.textContent = `${total.toLocaleString()}`;
  submit.disabled = !valid;
}

function highlightActiveNav() {
  const current = location.pathname.split('/').pop();
  document.querySelectorAll('nav a').forEach(a => {
    a.classList.toggle('active', a.getAttribute('href') === current);
  });
}

['input', 'change'].forEach(evt => {
  document.getElementById('booking-form').addEventListener(evt, updateEstimate);
});

highlightActiveNav();
updateEstimate();

```

```

<style>
body {
  font-family: Arial, sans-serif;
  margin: 0;
  color: #222;
}

header {
  background: #0e7ac7;
  color: #fff;
  padding: 16px;
}

nav a {
  color: #fff;
  text-decoration: none;
  padding: 6px 10px;
  border-radius: 4px;
  background: #rgba(255, 255, 255, 0.15);
}

nav a.active {
  background: #rgba(255, 255, 255, 0.35);
  font-weight: 700;
}

.container {
  max-width: 800px;
  margin: 0 auto;
  padding: 16px;
}

form {
  display: grid;
  gap: 12px;
}

label {
  font-weight: bold;
  display: block;
  margin-bottom: 4px;
}

```

```

function computeFinalPrice(pkg) {
  let m = 1;
  switch (pkg.season) {
    case 'peak': m = 1.25; break;
    case 'shoulder': m = 1.1; break;
    case 'off': m = 0.9; break;
    default: m = 1;
  }
  const s = pkg.durationDays >= 7 ? 0.05 : 0;
  const price = pkg.basePrice * m * (1 + s);
  return Math.round(price);
}

function renderPackages() {
  const tbody = document.getElementById('packages-body');
  tbody.innerHTML = '';
  packages.forEach(p => {
    const tr = document.createElement('tr');
    tr.dataset.id = p.id;
    tr.dataset.season = p.season;
    tr.innerHTML =
      ` ${p.name} | ${p.destination} | ${p.durationDays} days | ${p.basePrice.toLocaleString()} | ${computeFinalPrice(p).toLocaleString()} | ${p.season} |`;
    tbody.appendChild(tr);
  });
}

function highlightActiveNav() {
  const current = location.pathname.split('/').pop();
  document.querySelectorAll('nav a').forEach(a => {
    a.classList.toggle('active', a.getAttribute('href') === current);
  });
}

renderPackages();
highlightActiveNav();

```

ASSIGNMENT-7

Modify Assignment 2 such that

- Read/modify attributes (e.g., gallery thumbnails, data-* attributes).
- Style updates via JS (active nav, gallery layout toggles).
- Variables, arrays/objects for packages.
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- Functions for form validation, price calculation.
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- Render the table; add a column "Final Price" computed in JS using operators and if/switch (e.g., seasonal multiplier, weekend surcharge).

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- guests multiplier (e.g., +20% if >2)

- promoCode switch/case (e.g., "EARLYBIRD" → -10%)

- Show live total; disable submit if any required field invalid.

Gallery with attribute-driven modal (HTML attributes + CSS via JS):

- Thumbnails have data-large attribute pointing to large image.

- On click, open a modal, set src from data-large, set alt/title accordingly.

- Nav highlight + scroll behavior (CSS via JS):

- Add/ remove active class on current page link.

To-Do List

Title Task title

Description Task description

Add Task

GO to gym
do back and legs exercise

study
CAO

sleep
for atleast 8 hours

GO-to-gym
do back-and-legs-exercise

study
CAO

sleep
for atleast 8 hours

temp
temp2

sleep
for atleast 8 hours

```

</head>
<body>
  <h1>To-Do List</h1>

  <div id="form">
    <label>
      Title
      <input id="titleInput" type="text" placeholder="Task title">
    </label>
    <label>
      Description
      <textarea id="descInput" placeholder="Task description"></textarea>
    </label>
    <button id="addBtn" type="button">Add Task</button>
  </div>

  <div id="taskList"></div>

  <script src="script.js" defer></script>
</body>
</html>

```

```

<style>
  body {
    font-family: -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto, Arial, sans-serif;
    background: #f7f7f9;
    padding: 24px;
  }
  h1 {
    text-align: center;
    margin: 0 0 14px;
  }
  #form, #taskList {
    max-width: 640px;
    margin: 0 auto;
  }
  #form {
    display: flex;
    flex-direction: column;
    gap: 8px;
    background: #fff;
    border: 1px solid #eaeaea;
    border-radius: 8px;
    padding: 12px;
  }
  #form label {
    display: block;
    margin-bottom: 8px;
  }
  #form input, #form textarea {
    width: 90%;
    margin-top: 4px;
    padding: 8px;
    border: 1px solid #ddd;
    border-radius: 6px;
    font-size: 14px;
  }
</style>

```

```

const titleInput = document.getElementById('titleInput');
const descInput = document.getElementById('descInput');
const addBtn = document.getElementById('addBtn');
const taskList = document.getElementById('taskList');

addBtn.addEventListener('click', function () {
  const title = titleInput.value.trim();
  const desc = descInput.value.trim();

  if (!title || !desc) return;

  createTask(title, desc);
  titleInput.value = '';
  descInput.value = '';
});

function createTask(title, desc) {
  const taskDiv = document.createElement('div');

  const titleEl = document.createElement('h3');
  titleEl.textContent = title;

  const descEl = document.createElement('p');
  descEl.textContent = desc;

  const completeBtn = document.createElement('button');
  completeBtn.textContent = 'Mark as Completed';

  const editBtn = document.createElement('button');
  editBtn.textContent = 'Edit';

  const deleteBtn = document.createElement('button');
  deleteBtn.textContent = 'Delete';

  completeBtn.addEventListener('click', function () {
    if (editBtn.textContent === 'Save') return;
    const shouldComplete = !titleEl.classList.contains('completed');
    titleEl.classList.toggle('completed', shouldComplete);
    descEl.classList.toggle('completed', shouldComplete);
    completeBtn.textContent = shouldComplete ? 'Mark as Incomplete' : 'Mark as Completed';
  });

  completeBtn.addEventListener('click', function () {
    if (editBtn.textContent === 'Save') return;
    const shouldComplete = !titleEl.classList.contains('completed');
    titleEl.classList.toggle('completed', shouldComplete);
    descEl.classList.toggle('completed', shouldComplete);
    completeBtn.textContent = shouldComplete ? 'Mark as Incomplete' : 'Mark as Completed';
  });
}


```

```

  editBtn.textContent = 'Save';
} else {
  const titleEdit = taskDiv.querySelector('input');
  const descEdit = taskDiv.querySelector('textarea');

  const newTitle = titleEdit.value.trim();
  const newDesc = descEdit.value.trim();
  if (!newTitle || !newDesc) return;

  titleEl.textContent = newTitle;
  descEl.textContent = newDesc;

  taskDiv.replaceChild(titleEl, titleEdit);
  taskDiv.replaceChild(descEl, descEdit);

  editBtn.textContent = 'Edit';
}
});

deleteBtn.addEventListener('click', function () {
  taskList.removeChild(taskDiv);
});

taskDiv.appendChild(titleEl);
taskDiv.appendChild(descEl);
taskDiv.appendChild(completeBtn);
taskDiv.appendChild(editBtn);
taskDiv.appendChild(deleteBtn);

taskList.appendChild(taskDiv);
}

```