

UI/UX SPECIALIST (UCS542)

Submitted

by

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PATIALA, PUNJAB, INDIA

Assignment 5

i. Write a JavaScript program to take two numbers as input from the user and display their sum, difference, product, and quotient.

```
// Predefined numbers
let num1 = 12;
let num2 = 4;

// Calculations
let sum = num1 + num2;
let difference = num1 - num2;
let product = num1 * num2;
let quotient = num1 / num2;

// Display the results
console.log("Number 1:", num1);
console.log("Number 2:", num2);
console.log("Sum:", sum);
console.log("Difference:", difference);
console.log("Product:", product);
console.log("Quotient:", quotient);
```

```
Number 1: 12
Number 2: 4
Sum: 16
Difference: 8
Product: 48
Quotient: 3
PS C:\Users\dksin\OneDrive\Desktop\coding>
```

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.

```
// Create an array of 5 numbers
let numbers = [23, 7, 45, 12, 89];
console.log("Original Array:", numbers);
```

```

// Find largest and smallest manually
let largest = numbers[0];
let smallest = numbers[0];

for (let i = 1; i < numbers.length; i++) {
    if (numbers[i] > largest) {
        largest = numbers[i];
    }
    if (numbers[i] < smallest) {
        smallest = numbers[i];
    }
}

console.log("Largest Number:", largest);
console.log("Smallest Number:", smallest);

// Sort in ascending order using Selection Sort
let ascending = [...numbers];
for (let i = 0; i < ascending.length - 1; i++) {
    let minIndex = i;
    for (let j = i + 1; j < ascending.length; j++) {
        if (ascending[j] < ascending[minIndex]) {
            minIndex = j;
        }
    }
    // Swap
    let temp = ascending[i];
    ascending[i] = ascending[minIndex];
    ascending[minIndex] = temp;
}

console.log("Ascending Order:", ascending);

// Sort in descending order using Selection Sort
let descending = [...numbers];
for (let i = 0; i < descending.length - 1; i++) {
    let maxIndex = i;
    for (let j = i + 1; j < descending.length; j++) {
        if (descending[j] > descending[maxIndex]) {
            maxIndex = j;
        }
    }
    // Swap

```

```

    let temp = descending[i];
    descending[i] = descending[maxIndex];
    descending[maxIndex] = temp;
}

console.log("Descending Order:", descending);

```

```

Original Array: [ 23, 7, 45, 12, 89 ]
Largest Number: 89
Smallest Number: 7
Ascending Order: [ 7, 12, 23, 45, 89 ]
Descending Order: [ 89, 45, 23, 12, 7 ]
PS C:\Users\dksin\OneDrive\Desktop\coding>

```

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 between 18 and 100.

HTML Code :

```

<!DOCTYPE html>
<html>
<head>
    <title>Form Validation</title>
</head>
<body>
    <h2>Simple Form</h2>
    <form id="myForm" onsubmit="return validateForm()">
        <label for="name">Name:</label>
        <input type="text" id="name"><br><br>

        <label for="email">Email:</label>
        <input type="text" id="email"><br><br>

        <label for="age">Age:</label>
        <input type="text" id="age"><br><br>

        <button type="submit">Submit</button>
    </form>

```

```
<p id="error" style="color:red;"></p>

<!-- Linking external JavaScript file -->
<script src="script.js"></script>
</body>
</html>
```

JavaScript Code :

```
function validateForm() {
    // Get values
    let name = document.getElementById("name").value.trim();
    let email = document.getElementById("email").value.trim();
    let age = document.getElementById("age").value.trim();
    let errorMsg = "";

    // Validate name
    if (name === "") {
        errorMsg += "Name cannot be empty.<br>";
    }

    // Validate email (just check for '@')
    if (!email.includes("@")) {
        errorMsg += "Email must contain '@' symbol.<br>";
    }

    // Validate age (must be a number between 18 and 100)
    let ageNum = parseInt(age);
    if (isNaN(ageNum) || ageNum < 18 || ageNum > 100) {
        errorMsg += "Age must be a number between 18 and 100.<br>";
    }

    // Display error messages if any
    document.getElementById("error").innerHTML = errorMsg;

    // If there are errors, prevent form submission
    return errorMsg === "";
}
```

Output :

Simple Form

Name:

Email:

Age:

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.

```
// Create a student object
let student = {
  name: "John Doe",
  age: 20,
  grades: 85
};

// Display original student information
console.log("Original Student Info:", student);

// Add a new property 'class'
student.class = "12th Grade";
console.log("After Adding Class:", student);

// Update the student's grade
student.grades = 90;
console.log("After Updating Grade:", student);

// Display all student's information
console.log("Final Student Information:");
```

```
for (let key in student) {  
    console.log(key + ": " + student[key]);  
}
```

Output :

```
Original Student Info: { name: 'John Doe', age: 20, grades: 85 }  
After Adding Class: { name: 'John Doe', age: 20, grades: 85, class: '12th Grade' }  
After Updating Grade: { name: 'John Doe', age: 20, grades: 90, class: '12th Grade' }  
Final Student Information:  
name: John Doe  
age: 20  
grades: 90  
class: 12th Grade  
PS C:\Users\dksin\OneDrive\Desktop\coding>
```

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.

```
// Function to process the array  
function processArray(numbers) {  
    // 1. Remove all odd numbers  
    let evenNumbers = numbers.filter(num => num % 2 === 0);  
  
    // 2. Multiply remaining numbers by 2  
    let doubledNumbers = evenNumbers.map(num => num * 2);  
  
    // 3. Find the sum of resulting numbers  
    let sum = doubledNumbers.reduce((acc, num) => acc + num, 0);  
  
    return sum;  
}  
  
// Example usage  
let arr = [1, 2, 3, 4, 5, 6];  
let result = processArray(arr);  
console.log("Result:", result);
```

Output :

Result: 24

PS C:\Users\dksin\OneDrive\Desktop\coding>

Assignment-3

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

- 1) Homepage with Event name, date, and short description
- 2) Events page listing different competitions (use or)
- 3) A schedule or result table for events
- 4) Registration form for participants
- 5) A photo gallery page with multiple pictures in grid form.
- 6) 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.

Index.html :

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>College Fest 2025</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<header>
  <h1>SATURNALIA</h1>
  <p>Celebrating Talent, Technology & Teamwork</p>
</header>
<nav>
  <a href="index.html">Home</a>
  <a href="events.html">Events</a>
  <a href="schedule.html">Schedule</a>
  <a href="register.html">Register</a>
  <a href="gallery.html">Gallery</a>
  <a href="contact.html">Contact</a>
</nav>
<div class="container">
  <div class="hero">
    <h1>Welcome to College Fest 2025</h1>
    <p>Date: 15th - 17th October 2025 | Venue: Fete Area Thapar
Institute</p>
    <p>Join us for 3 days of exciting competitions, workshops, and
```

```

cultural events!</p>
    </div>
</div>
<footer>
    <p>&copy; 2025 College Fest | Follow us on
        <a href="#">Facebook</a> | <a href="#">Instagram</a>
    </p>
</footer>
</body>
</html>

```

events.html :

```

<!DOCTYPE html>
<html>
<head>
<title>Events | College Fest 2025</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<header><h1>Events</h1></header>
<nav>
    <a href="index.html">Home</a>
    <a href="events.html">Events</a>
    <a href="schedule.html">Schedule</a>
    <a href="register.html">Register</a>
    <a href="gallery.html">Gallery</a>
    <a href="contact.html">Contact</a>
</nav>
<div class="container">
    <h2>Our Competitions</h2>
    <ul>
        <li>Code Sprint (Hackathon)</li>
        <li>Robo Race</li>
        <li>Quiz Competition</li>
        <li>Photography Contest</li>
        <li>Dance Battle</li>
    </ul>
</div>
<footer>
    <p>&copy; 2025 College Fest</p>
</footer>
</body>

```

```
</html>
```

schedule.html :

```
<!DOCTYPE html>

<html>
<head>
<title>Schedule | College Fest 2025</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<header><h1>Event Schedule</h1></header>
<nav>
  <a href="index.html">Home</a>
  <a href="events.html">Events</a>
  <a href="schedule.html">Schedule</a>
  <a href="register.html">Register</a>
  <a href="gallery.html">Gallery</a>
  <a href="contact.html">Contact</a>
</nav>
<div class="container">
  <table>
    <tr>
      <th>Event</th>
      <th>Date</th>
      <th>Time</th>
      <th>Venue</th>
    </tr>
    <tr>
      <td>Code Sprint</td>
      <td>15 Oct</td>
      <td>10:00 AM</td>
      <td>Lab 1</td>
    </tr>
    <tr>
      <td>Robo Race</td>
      <td>15 Oct</td>
      <td>2:00 PM</td>
      <td>Ground</td>
    </tr>
    <tr>
      <td>Main Singer (Mohit Chauhan)</td>
      <td>16 Oct</td>
```

```

            <td>8:00 PM</td>
            <td>Hall A</td>
        </tr>
    </table>
</div>
<footer>
    <p>&copy; 2025 College Fest</p>
</footer>
</body>
</html>

```

register.html :

```

<!DOCTYPE html>

<html>

<head>

<title>Register | College Fest 2025</title>

<link rel="stylesheet" href="style.css">

</head>

<body>

<header><h1>Participant Registration</h1></header>

<nav>

    <a href="index.html">Home</a>

    <a href="events.html">Events</a>

    <a href="schedule.html">Schedule</a>

    <a href="register.html">Register</a>

    <a href="gallery.html">Gallery</a>

    <a href="contact.html">Contact</a>

</nav>

```

```
<div class="container">

  <form>

    <label>Name:</label>

    <input type="text" required>

    <label>Email:</label>

    <input type="email" required>

    <label>Phone:</label>

    <input type="tel" required>

    <label>Select Event:</label>

    <select>

      <option>Code Sprint</option>

      <option>Robo Race</option>

      <option>Concert Ticket</option>

      <option>Photography Contest</option>

    </select>

    <button type="submit">Register Now</button>

  </form>

</div>

<footer>

  <p>&copy; 2025 College Fest</p>
```

```
</footer>

</body>

</html>
```

gallery.html :

```
<!DOCTYPE html>

<html>

<head>

<title>Gallery | College Fest 2025</title>

<link rel="stylesheet" href="style.css">

</head>

<body>

<header><h1>Photo Gallery</h1></header>

<nav>

  <a href="index.html">Home</a>

  <a href="events.html">Events</a>

  <a href="schedule.html">Schedule</a>

  <a href="register.html">Register</a>

  <a href="gallery.html">Gallery</a>

  <a href="contact.html">Contact</a>

</nav>

<div class="container gallery">

</div>

<footer>

    <p>&copy; 2025 College Fest</p>

</footer>

</body>

</html>

```

contact.html :

```

<!DOCTYPE html>

<html>

<head>

<title>Contact | College Fest 2025</title>

<link rel="stylesheet" href="style.css">

</head>

<body>

<header><h1>Contact & FAQs</h1></header>

<nav>

    <a href="index.html">Home</a>

    <a href="events.html">Events</a>

    <a href="schedule.html">Schedule</a>

    <a href="register.html">Register</a>

```

```
<a href="gallery.html">Gallery</a>

<a href="contact.html">Contact</a>

</nav>

<div class="container">

  <h2>Contact Us</h2>

  <p>Email: saturnalia2025@thapar.edu</p>

  <p>Phone: 0180 252 864</p>

  <h2>FAQs</h2>

  <ul>

    <li><strong>Q:</strong> Is there any registration fee?
<br><strong>A:</strong> No, it's free!</li>

    <li><strong>Q:</strong> Can I register for multiple events?
<br><strong>A:</strong> Yes, you can.</li>

  </ul>

</div>

<footer>

  <p>&copy; 2025 College Fest</p>

</footer>

</body>

</html>
```


style.css :

```
/* General Styles */

body {

    font-family: Arial, sans-serif;

    margin: 0;

    padding: 0;

    background: #f8f8f8;

    color: #333;

}


header {

    background: #4a90e2;

    color: #fff;

    padding: 15px 0;

    text-align: center;

}


nav {

    background: #333;

    text-align: center;

    padding: 10px 0;

}


nav a {
```

```
    color: #fff;

    text-decoration: none;

    padding: 10px 15px;

    display: inline-block;
}
```

```
nav a:hover {

    background: #4a90e2;

    border-radius: 4px;
}
```

```
.container {

    width: 80%;

    margin: auto;

    padding: 20px;
}
```

```
/* Home Page */
```

```
.hero {

    text-align: center;

    margin: 40px 0;
}
```

```
.hero h1 {
```

```
font-size: 2.5em;

color: #4a90e2;

}

.hero p {

    font-size: 1.2em;

}

/* Events Page */

ul, ol {

    margin: 20px;

    padding: 20px;

    background: #fff;

    border-radius: 6px;

    list-style-type: square;

}

ul li {

    padding: 10px 0;

    font-size: 1.1em;

}

/* Table Styles */

table {
```

```
width: 100%;

border-collapse: collapse;

background: #fff;

margin-top: 20px;

border-radius: 6px;

overflow: hidden;

}
```

```
th, td {

border: 1px solid #ccc;

padding: 12px;

text-align: center;

}
```

```
th {

background: #4a90e2;

color: white;

}
```

```
/* Form Styles */
```

```
form {

background: #fff;

padding: 20px;

border-radius: 6px;
```

```
}

input, select, textarea {

    width: 100%;

    padding: 10px;

    margin: 10px 0;

    border: 1px solid #ccc;

    border-radius: 4px;

}
```

```
button {

    background: #4a90e2;

    color: white;

    border: none;

    padding: 12px;

    border-radius: 4px;

    cursor: pointer;

}
```

```
button:hover {

    background: #357abd;

}
```

```
/* Gallery */
```

```
.gallery {

    display: grid;

    grid-template-columns: repeat(3, 1fr);

    gap: 15px;

    margin-top: 20px;

}

.gallery img {

    width: 300px;          /* Set fixed width */

    height: 200px;         /* Set fixed height */

    object-fit: cover;     /* Crops and fits image without distortion */

    border-radius: 6px;

}

/* Footer */

footer {

    background: #333;

    color: white;

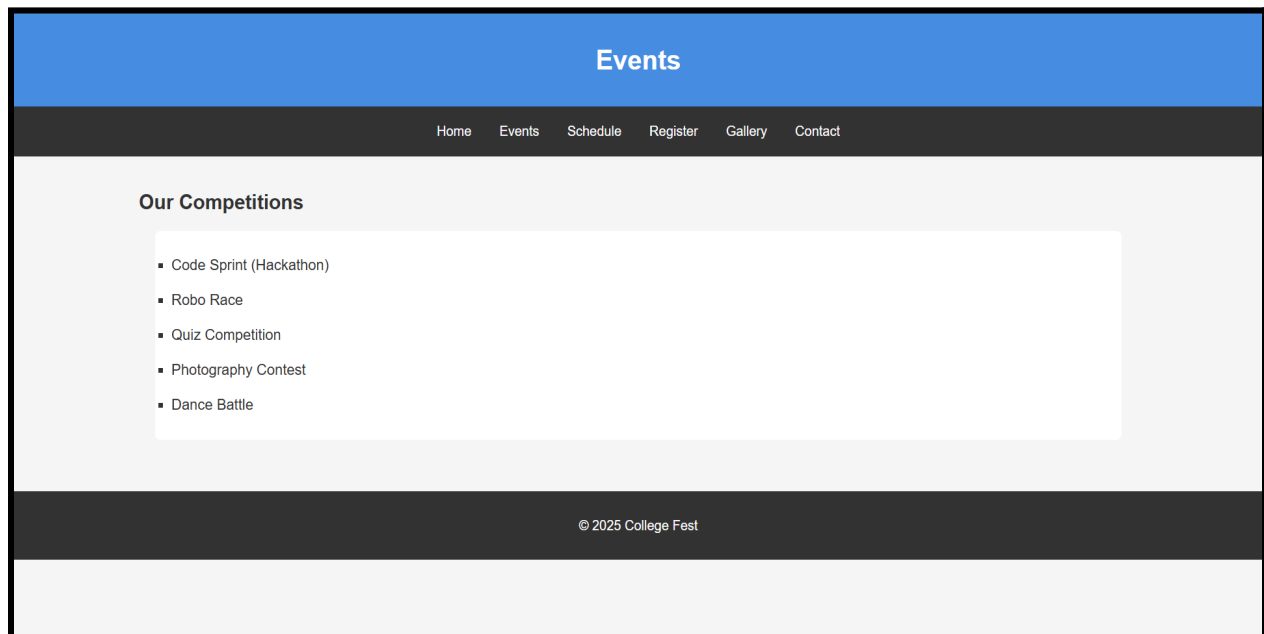
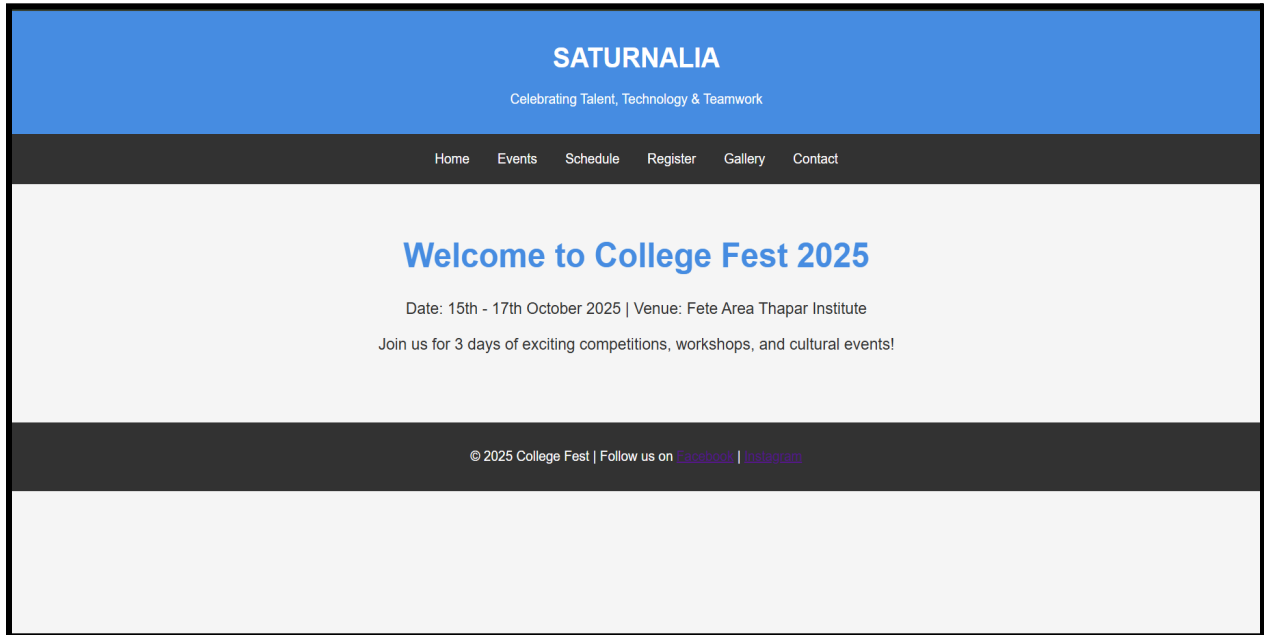
    text-align: center;

    padding: 15px;

    margin-top: 20px;

}
```

Images :



Event Schedule

[Home](#)[Events](#)[Schedule](#)[Register](#)[Gallery](#)[Contact](#)

Event	Date	Time	Venue
Code Sprint	15 Oct	10:00 AM	Tan Lab 1
Robo Race	15 Oct	2:00 PM	SBI Lawns
Main Singer (Mohit Chauhan)	16 Oct	8:00 PM	Fete Area

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Participant Registration

[Home](#)[Events](#)[Schedule](#)[Register](#)[Gallery](#)[Contact](#)

Name:

Email:

Phone:

Select Event:

Code Sprint

Register Now

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Photo Gallery

[Home](#) [Events](#) [Schedule](#) [Register](#) [Gallery](#) [Contact](#)



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Contact & FAQs

[Home](#) [Events](#) [Schedule](#) [Register](#) [Gallery](#) [Contact](#)

Contact Us

Email: saturnalia2025@thapar.edu

Phone: 0180 252 864

FAQs

- **Q:** Is there any registration fee?
A: No, it's free!
- **Q:** Can I register for multiple events?
A: Yes, you can.

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Assignment-2

Objective : 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 a 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.

Booking Page :

```
<!DOCTYPE html>
<html>
<head>
<title>Wanderlust Travels - Booking</title>
<link rel="stylesheet" href="style.css">
</head>
<body>

<header>
<h1>Book Your Trip</h1>
</header>

<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="contact.html">Contact Us</a>
</nav>

<div class="container">
  <form onsubmit="alert('Thank you! Your booking request has been
received.');
```

```

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

<label>Travel Start Date:</label>
<input type="date" name="start-date" required>

<label>Travel End Date:</label>
<input type="date" name="end-date" required>

<label>Destination:</label>
<input type="text" name="destination" required>

<label>Select Package:</label>
<select name="package">
<option>Paris, France - $1500</option>
<option>Bali, Indonesia - $1200</option>
<option>New York, USA - $1000</option>
</select>

<label>Additional Requests:</label>
<textarea name="requests"></textarea>

<input type="submit" value="Book Now">
</form>
</div>

</body>
</html>

```

Contact Us Page :

```

<!DOCTYPE html>
<html>
<head>
  <title>Wanderlust Travels - Contact Us</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>

```

```

<header>
    <h1>Contact Us</h1>
</header>

<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="contact.html">Contact Us</a>
</nav>

<div class="container">
    <p>Email: info@wanderlusttravels.com</p>
    <p>Phone: +1 234 567 890</p>
    <p>Follow us on:</p>
    <ul>
        <li><a href="#">Facebook</a></li>
        <li><a href="#">Instagram</a></li>
        <li><a href="#">Twitter</a></li>
    </ul>
</div>

</body>
</html>

```

Gallery Page :

```

<!DOCTYPE html>
<html>
<head>
    <title>Wanderlust Travels - Gallery</title>
    <link rel="stylesheet" href="style.css">
</head>
<body>

<header>
    <h1>Destination Gallery</h1>
</header>

```

```

<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="contact.html">Contact Us</a>
</nav>

<div class="container gallery">
  <figure>
    
    <figcaption>Romantic Paris</figcaption>
  </figure>
  <figure>
    
    <figcaption>Sunny Bali</figcaption>
  </figure>
  <figure>
    
    <figcaption>Vibrant New York</figcaption>
  </figure>
</div>

</body>
</html>

```

Main Landing Page :

```

<!DOCTYPE html>
<html>
<head>
  <title>Wanderlust Travels - Home</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>

<header>

```

```

    <h1>Wanderlust Travels</h1>
</header>

<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="contact.html">Contact Us</a>
</nav>



<div class="container">
    <h2>Your Gateway to the World</h2>
    <p>We provide the best travel packages to exotic locations worldwide.
Whether you're looking for a relaxing beach holiday, a thrilling
adventure, or a cultural escape – we've got you covered!</p>
    <h3>Travel Tips:</h3>
    <ul>
        <li>Pack light but smart.</li>
        <li>Keep important documents safe.</li>
        <li>Learn basic local phrases.</li>
        <li>Always have travel insurance.</li>
    </ul>
</div>

</body>
</html>

```

Packages :

```

<!DOCTYPE html>
<html>
<head>
    <title>Wanderlust Travels - Packages</title>
    <link rel="stylesheet" href="style.css">
</head>
<body>

```

```
<header>
  <h1>Our Travel Packages</h1>
</header>

<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="contact.html">Contact Us</a>
</nav>

<div class="container">
  <table>
    <tr>
      <th>Destination</th>
      <th>Duration</th>
      <th>Price</th>
    </tr>
    <tr>
      <td>Paris, France</td>
      <td>5 Days</td>
      <td>$1500</td>
    </tr>
    <tr>
      <td>Bali, Indonesia</td>
      <td>7 Days</td>
      <td>$1200</td>
    </tr>
    <tr>
      <td>New York, USA</td>
      <td>4 Days</td>
      <td>$1000</td>
    </tr>
  </table>
</div>

</body>
</html>
```

CSS :

```
body {
  font-family: Arial, sans-serif;
  margin: 0;
  padding: 0;
}

header {
  background-color: #073356;
  color: white;
  padding: 15px;
  text-align: center;
}

nav {
  background-color: #333;
  overflow: hidden;
  display: flex;
  justify-content: center; /* Centers the nav links */
}

nav a {
  color: white;
  text-align: center;
  padding: 14px 20px;
  text-decoration: none;
}

nav a:hover {
  background-color: #575757;
}

.banner {
  width: 100%;
  height: 300px;
  object-fit: cover;
}

.container {
```



```
padding: 20px;
}

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

table, th, td {
    border: 1px solid #ddd;
}

th, td {
    padding: 12px;
    text-align: center;
}

form {
    max-width: 500px;
    margin: auto;
    background: #f9f9f9;
    padding: 20px;
    border-radius: 8px;
}
```

Output :

It is present on the next page since there is less space.

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Travel End Date: Destination:

Select Package:

Additional Requests:

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Romantic Paris



Sunny Bali

Contact Us

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Email: info@wanderlusttravels.com

Phone: +1 234 567 890

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Assignment-1

CODE :

```
<!DOCTYPE html>
<html>
<head>
  <title>Daksh Raj - Portfolio</title>
</head>
<body>
  <h1>DAKSH RAJ</h1>
  <p><strong>Electronics & Computer Engineering Student | Full-Stack Developer | Tech Enthusiast</strong></p>
  <p><em>Patiala, Punjab | +91 7082269244</em></p>

  <h2 id="about">About Me</h2>
  

  <p>I am a passionate <strong>Electronics & Computer Engineering</strong> student at <em>Thapar Institute of Engineering and Technology</em> with a CGPA of 8.81. Currently pursuing my B.Tech degree (2023-2027), I am dedicated to exploring the intersection of technology and innovation.</p>

  <p>Based in <strong>Patiala, Punjab</strong></strong>, I am enthusiastic about <em>full-stack development</em></em>, web technologies, and creating innovative solutions that make a difference. My academic journey has equipped me with a solid foundation in both theoretical concepts and practical applications.</p>

  <p>I believe in continuous learning and strive to stay updated with the latest technological advancements. My goal is to contribute meaningfully to the tech industry while building impactful projects that solve real-world problems.</p>
```

```
<h2 id="education">Education</h2>
<table border="1">
  <thead>
    <tr>
      <th>Institution</th>
      <th>Degree/Class</th>
      <th>Year</th>
      <th>CGPA/Percentage</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td rowspan="1"><strong>Thapar Institute of Engineering
and Technology</strong></td>
      <td>B.Tech - Electronics and Computer Engineering</td>
      <td>2023 - 2027</td>
      <td>8.81 CGPA</td>
    </tr>
    <tr>
      <td colspan="1"><strong>M.L.B International
School</strong></td>
      <td>Class 12 (CBSE)</td>
      <td>2023</td>
      <td>80.2%</td>
    </tr>
    <tr>
      <td><strong>Delhi Public School</strong></td>
      <td>Class 10 (CBSE)</td>
      <td>2021</td>
      <td>94.2%</td>
    </tr>
  </tbody>
</table>

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

<h3>Programming Languages</h3>
<ul>
  <li>C</li>
  <li>C++</li>
```

```
<li>JavaScript</li>
<li>ARM Assembly Language</li>
</ul>
```

<h3>Web Technologies</h3>

```
<ul>
  <li>HTML</li>
  <li>CSS</li>
  <li>Tailwind CSS</li>
  <li>React</li>
  <li>Node.js</li>
</ul>
```

<h3>Database Technologies</h3>

```
<ul>
  <li>MongoDB</li>
  <li>SQL</li>
  <li>MySQL</li>
</ul>
```

<h3>Core CS Concepts</h3>

```
<ul>
  <li>Data Structures and Algorithms</li>
  <li>Object-Oriented Programming</li>
  <li>Computer Networks</li>
  <li>Database Management Systems</li>
</ul>
```

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

<h3>StayEase - Full-Stack Rental Web Application</h3>

<p>StayEase is a full-stack Airbnb-inspired platform that enables users to register, log in, and list or browse rental properties. The backend is built with Node.js and Express, while MongoDB handles data persistence. Dynamic pages are rendered using EJS templates, and sessions are securely managed using cookies. The project is designed for both development and production environment configuration.</p>

Interactive Tic-Tac-Toe Game</h3>

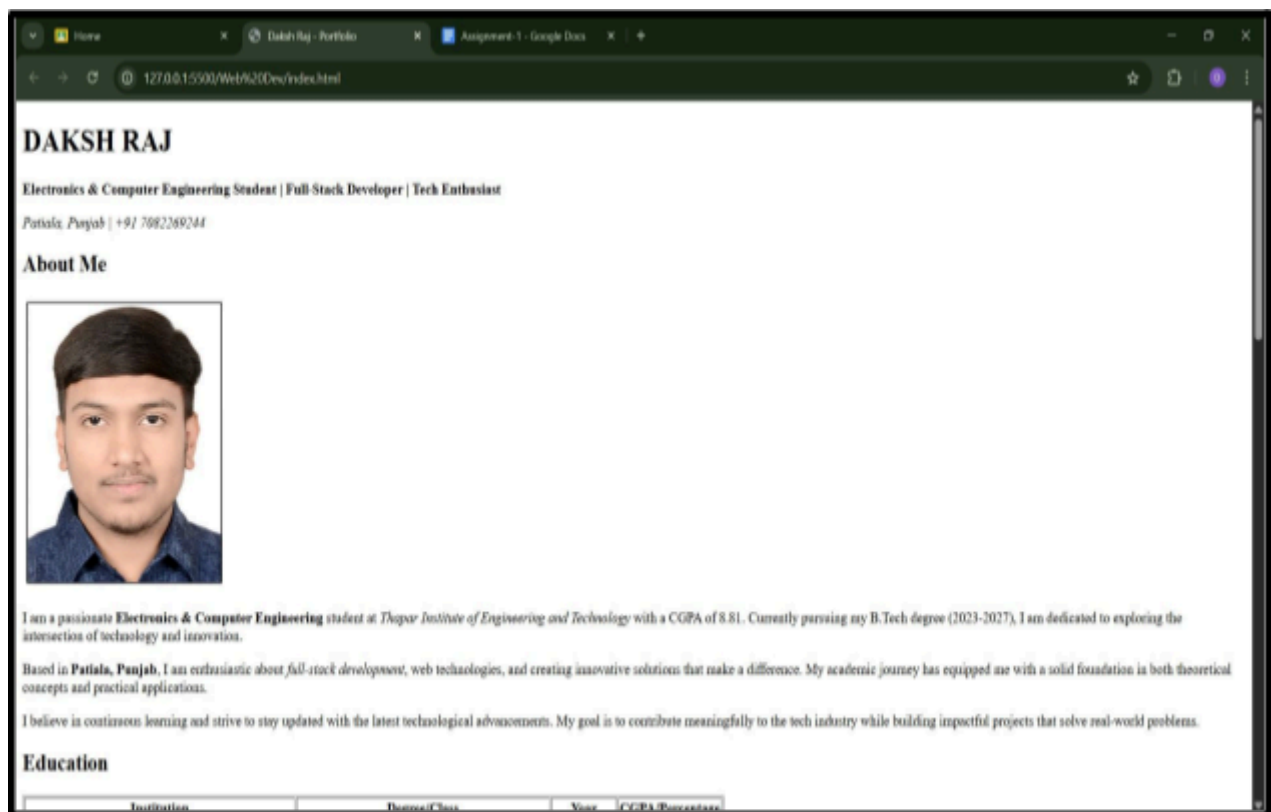
<p>Built a responsive Tic-Tac-Toe game using HTML5, CSS, and JavaScript. Implementing win/draw logic through game-based pattern checks and move history tracking. Added features like undo moves and real-time winner detection while maintaining clean, performant code architecture.</p>

 Discipline Head of Hostel - maintained discipline and coordinated with hostel authorities Captained intra-hostel cricket team - winner of inter-hostel cricket tournament Active participant in football and cricket at university level <h3>Email</h3> <p>dakshpr17@gmail.com</p> <h3>Phone</h3> <p>+91 7082269244</p> <h3>LinkedIn</h3> <p>linkedin.com/in/dakshRaj17</p> <h3>GitHub</h3> <p>github.com/dakshRGit17</p> <h3>LeetCode</h3> <p>leetcode.com/daksh_codess</p> <footer> <p>"Made by Daksh Raj"</p>

```
</footer>

</body>
</html>
```

Output :



Education

Institution	Degree/Class	Year	CGPA/Percentage
Thapar Institute of Engineering and Technology	B.Tech - Electronics and Computer Engineering	2023 - 2027	8.81 CGPA
MLL.B International School	Class 12 (CBSE)	2023	80.2%
Delhi Public School	Class 10 (CBSE)	2021	94.2%

Technical Skills

Programming Languages

- C
- C++
- JavaScript
- ARM Assembly Language

Web Technologies

- HTML
- CSS
- Tailwind CSS
- React
- Node.js

Database Technologies

- MongoDB
- SQL
- MySQL

Core CS Concepts

- Data Structures and Algorithms
- Object-Oriented Programming
- Computer Networks
- Database Management Systems

Home

Daksh Raj - Portfolio

Assignment 1 - Google Docs

127.0.0.1:5500/Web%20Dev/index.html

Core CS Concepts

- Data Structures and Algorithms
- Object-Oriented Programming
- Computer Networks
- Database Management Systems

Projects

StayEase - Full-Stack Rental Web Application

StayEase is a full-stack Airbnb-inspired platform that enables users to register, log in, and list or browse rental properties. The backend is built with **Node.js** and **Express**, while **MongoDB** handles data persistence. Dynamic pages are rendered using **EJS templates**, and sessions are securely managed using **cookies**. The project is designed for both development and production environment configuration.

Interactive Tic-Tac-Toe Game

Built a responsive Tic-Tac-Toe game using **HTML5**, **CSS**, and **JavaScript**. Implementing win/draw logic through game-based pattern checks and move history tracking. Added features like *undo moves* and *real-time winner detection* while maintaining clean, performant code architecture.

Achievements & Leadership

1. **Discipline Head of Hostel** - maintained discipline and coordinated with hostel authorities
2. **Captained intra-hostel cricket team** - winner of inter-hostel cricket tournament
3. **Active participant in football and cricket** at university level

Contact Information

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