UI/UX SPECIALIST
(UCS542)

Submitted
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Assignment 7

Create a simple webpage that allows users to add tasks to a to-do list. Each task should have a title and description. Users should be able to mark tasks as completed, edit task details, and remove tasks from the list.

Webpage that includes:

A heading (<h1>) with the title "To-Do List".

An input form that allows users to enter a task title and description.

A button labeled "Add Task" that will add the task to the list when clicked.

When the "Add Task" button is clicked:

Create a new div for each task.

Inside this div, display the task title and description.

Add a "Mark" as Completed" button, "Edit" button, and "Delete" button for each task.

When the "Mark as Completed" button is clicked:

Add a class called"completed" to the task's title and description to apply a line-througheffect.

Update the button text to "Mark as Incomplete" and toggle the task's completion status.

When the "Delete" button is clicked:

Remove the task div from the taskList.

When the "Edit" button is clicked:

Allow the user to edit the task title and description. Replace the static text with input fields pre-filled with the current task data.

After editing, the button text should change to "Save" and clicking "Save" should update the task with the new details.

HTML CODE :

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>To-Do List</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>


  <h1>To-Do List</h1>
```

```html
  <div class="task-form">
    <input type="text" id="taskTitle" placeholder="Enter task title">
    <textarea id="taskDescription" placeholder="Enter task
description"></textarea>
    <button class="add-btn" onclick="addTask()">Add Task</button>
  </div>

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

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

CSS CODE :

```css
body {
  font-family: Arial, sans-serif;
  background-color: #f5f5f5;
  padding: 20px;
}

h1 {
  text-align: center;
}

.task-form {
  display: flex;
  flex-direction: column;
  align-items: center;
  margin-bottom: 20px;
}

input, textarea {
  width: 300px;
  margin: 5px 0;
  padding: 8px;
}

button {
  padding: 8px 12px;
  margin: 5px;
  border: none;
  border-radius: 5px;
```

```css
    cursor: pointer;
}

.add-btn {
  background-color: #007bff;
  color: white;
}

.task {
  background-color: white;
  padding: 15px;
  border-radius: 10px;
  margin-bottom: 10px;
  box-shadow: 0 0 5px rgba(0,0,0,0.1);
}

.completed {
  text-decoration: line-through;
  color: gray;
}

.task-buttons {
  margin-top: 10px;
}

.task-buttons button {
  background-color: #e0e0e0;
}

.task-buttons button:hover {
  background-color: #d0d0d0;
}
```

JAVASCRIPT CODE :

```javascript
function addTask() {
  const title = document.getElementById('taskTitle').value.trim();
  const desc = document.getElementById('taskDescription').value.trim();

  if (!title) {
    alert('Please enter a task title!');
    return;
```

```javascript
  }

  const taskList = document.getElementById('taskList');
  const taskDiv = document.createElement('div');
  taskDiv.className = 'task';

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

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

  const btnContainer = document.createElement('div');
  btnContainer.className = 'task-buttons';

  // Mark Complete Button
  const completeBtn = document.createElement('button');
  completeBtn.textContent = 'Mark as Completed';
  completeBtn.onclick = function() {
    const isCompleted = titleEl.classList.toggle('completed');
    descEl.classList.toggle('completed');
    completeBtn.textContent = isCompleted ? 'Mark as Incomplete' : 'Mark
as Completed';
  };

  // Edit Button
  const editBtn = document.createElement('button');
  editBtn.textContent = 'Edit';
  editBtn.onclick = function() {
    if (editBtn.textContent === 'Edit') {
      // Change to edit mode
      const titleInput = document.createElement('input');
      titleInput.type = 'text';
      titleInput.value = titleEl.textContent;

      const descInput = document.createElement('textarea');
      descInput.value = descEl.textContent;

      taskDiv.replaceChild(titleInput, titleEl);
      taskDiv.replaceChild(descInput, descEl);

      editBtn.textContent = 'Save';
    } else {
```

```javascript
      // Save changes
      const newTitle = taskDiv.querySelector('input').value;
      const newDesc = taskDiv.querySelector('textarea').value;

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

      taskDiv.replaceChild(titleEl, taskDiv.querySelector('input'));
      taskDiv.replaceChild(descEl, taskDiv.querySelector('textarea'));

      editBtn.textContent = 'Edit';
    }
  };

  // Delete Button
  const deleteBtn = document.createElement('button');
  deleteBtn.textContent = 'Delete';
  deleteBtn.onclick = function() {
    taskList.removeChild(taskDiv);
  };

  btnContainer.appendChild(completeBtn);
  btnContainer.appendChild(editBtn);
  btnContainer.appendChild(deleteBtn);

  taskDiv.appendChild(titleEl);
  taskDiv.appendChild(descEl);
  taskDiv.appendChild(btnContainer);

  taskList.appendChild(taskDiv);

  // Clear input fields
  document.getElementById('taskTitle').value = '';
  document.getElementById('taskDescription').value = '';
}
```

OUTPUT :

To-Do List

Enter task title

Enter task description

Add Task

To-Do List

Enter task title

Enter task description

Add Task

Running

5km running in morning

Mark as Completed   Edit   Delete

Assignment 5

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

```javascript
// 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.

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

```javascript
// 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 :

```html
<!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>
```

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

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

JavaScript Code :

```javascript
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: [   ]

[Submit]

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.

```javascript
// 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 <ul> or <ol>)
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 :

```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
</html>
```

schedule.html :

```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>
```

```html
<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>
```

```html
    </footer>

</body>

</html>
```

gallery.html :

```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">

    <img
src="https://www.tribuneindia.com/sortd-service/imaginary/v22-01/jpg/large
/high?url=dGhldHJpYnVuZS1zb3J0ZC1wcm8tcHJvZC1zb3J0ZC9tZWRpYTc0M2M5MzQwLWE2
MGMtMTFlZi1hNjI2LWQ5ZDRhZTViZWQ1Ni5qcGc=" alt="Event 1">

    <img src="https://pbs.twimg.com/media/GAkaewQXAAAbf7D.jpg:large"
```

```
alt="Event 2">

    <img
src="https://media.licdn.com/dms/image/v2/D4D22AQFfCSpcfdCrag/feedshare-sh
rink_800/feedshare-shrink_800/0/1708770942128?e=2147483647&v=beta&t=dyaTdo
rtQG3_w9kaGj6_sx0VsSGlTefhvxpHDvC_iss" alt="Event 3">

</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>
```

```html
    <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 :

```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 {
```

```css
    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 {
```

```css
        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 {
```

```css
    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;
```

```css
}

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 */
```

```css
.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 :
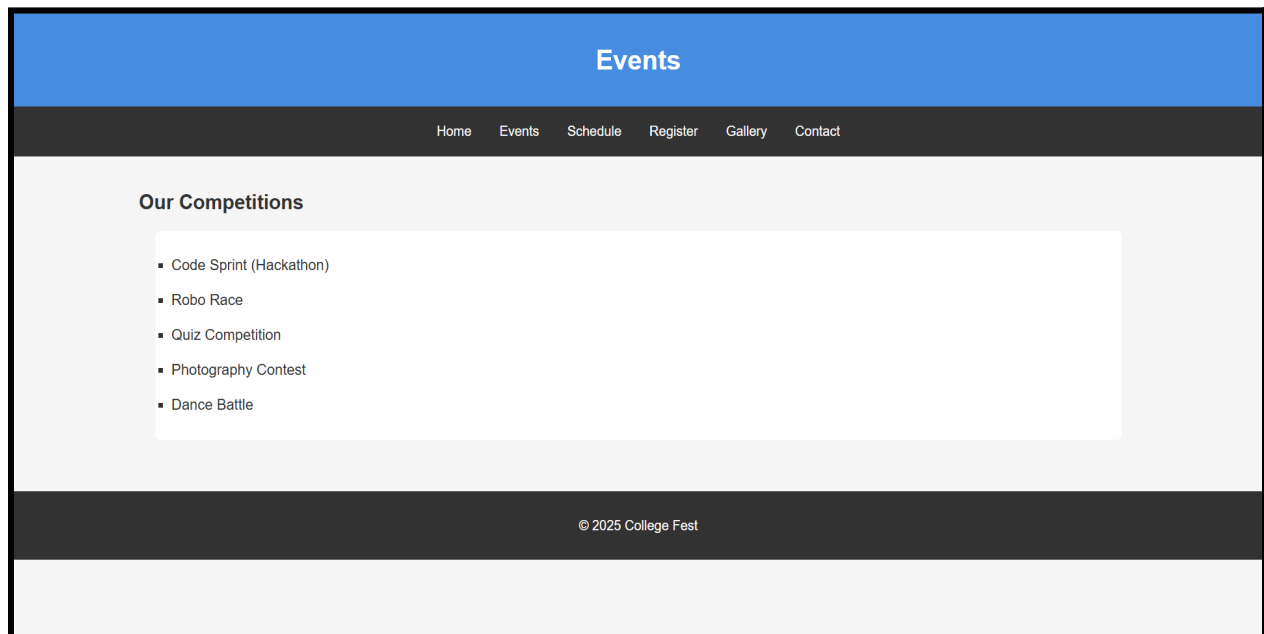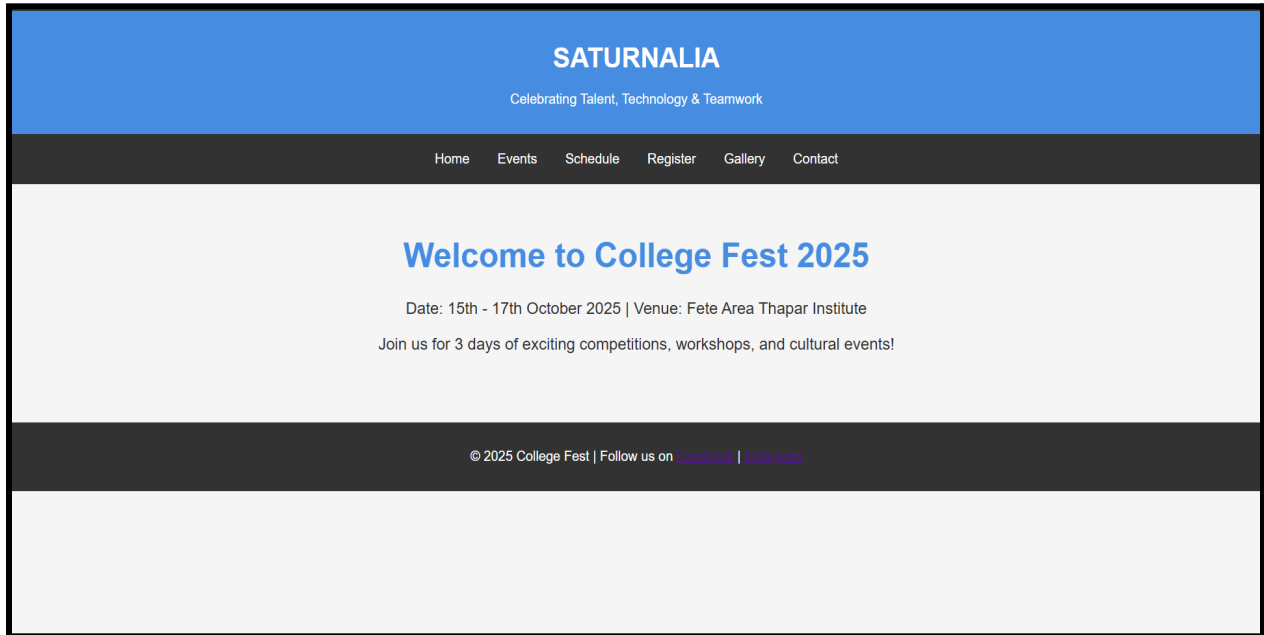
SATURNALIA
Celebrating Talent, Technology & Teamwork

Home   Events   Schedule   Register   Gallery   Contact

Welcome to College Fest 2025

Date: 15th - 17th October 2025 | Venue: Fete Area Thapar Institute

Join us for 3 days of exciting competitions, workshops, and cultural events!

© 2025 College Fest | Follow us on Facebook | Instagram

Events

Home   Events   Schedule   Register   Gallery   Contact

Our Competitions

- Code Sprint (Hackathon)
- Robo Race
- Quiz Competition
- Photography Contest
- Dance Battle

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Event Schedule

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

Name:

Email:

Phone:

Select Event:

Code Sprint

Register Now

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Photo Gallery

Home   Events   Schedule   Register   Gallery   Contact

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.

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 :

```html
<!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.'); return false;">
```

```
<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>
```

```html
<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 :

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

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

```html
<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>
        <img src="https://picsum.photos/300/200?paris" alt="Paris">
        <figcaption>Romantic Paris</figcaption>
    </figure>
    <figure>
        <img src="https://picsum.photos/300/200?bali" alt="Bali">
        <figcaption>Sunny Bali</figcaption>
    </figure>
    <figure>
        <img src="https://picsum.photos/300/200?newyork" alt="New York">
        <figcaption>Vibrant New York</figcaption>
    </figure>
</div>



</body>
</html>
```

Main Landing Page :

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

<header>
```

```html
        <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>

    <img src="image.png" alt="Travel Banner" class="banner">

    <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 :

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

```html
<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 :

```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 {
```

```css
    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.

Wanderlust Travels

Your Gateway to the World

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!

Travel Tips:

- Pack light but smart.
- Keep important documents safe.
- Learn basic local phrases.
- Always have travel insurance.

Our Travel Packages

Destination	Duration	Price
Paris, France	5 Days	$1500
Bali, Indonesia	7 Days	$1200
New York, USA	4 Days	$1000

Book Your Trip

Name: [   ]   Travel Start Date: [dd-mm-yyyy]

Travel End Date: [dd-mm-yyyy]   Destination:

[   ]   Select Package: [Paris, France - $1500]

Additional Requests: [   ]   [Book Now]

Destination Gallery

Romantic Paris

Sunny Bali

Contact Us

Email: info@wanderlusttravels.com

Phone: +1 234 567 890

Follow us on:

- Facebook
- Instagram
- Twitter

Assignment-1

CODE :

```html
<!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>
    <img src="DAKSH PHOTO.JPG" alt="Daksh Raj Profile Photo"
width="250" height="300" title="Daksh Raj - Electronics & Computer
Engineering
Student">

    <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>
```

```html
    <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>
```

```html
    <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><strong>StayEase</strong> - Full-Stack Rental Web Application</h3>
<p>StayEase is a <em>full-stack Airbnb-inspired platform</em> that
enables users to register, log in, and list or browse rental properties.
The backend is built with <strong>Node.js</strong> and
<strong>Express</strong>, while <strong>MongoDB</strong> handles data
persistence. Dynamic pages are rendered using <strong>EJS
templates</strong>, and sessions are securely managed using
<strong>cookies</strong>. The project is designed for both development and
production environment configuration.</p>
```

```html
    <h3><strong>Interactive Tic-Tac-Toe Game</strong></h3>
    <p>Built a responsive Tic-Tac-Toe game using <strong>HTML5</strong>,
<strong>CSS</strong>, and <strong>JavaScript</strong>. Implementing
win/draw logic through game-based pattern checks and move history
tracking. Added features like <em>undo moves</em> and <em>real-time winner
detection</em> while maintaining clean, performant code architecture.</p>

    <h2 id="achievements">Achievements & Leadership</h2>

    <ol>
        <li><strong>Discipline Head of Hostel</strong> - maintained
discipline and coordinated with hostel authorities</li>
        <li><strong>Captained intra-hostel cricket team</strong> - winner
of inter-hostel cricket tournament</li>
        <li><strong>Active participant in football and cricket</strong> at
university level</li>
    </ol>

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

    <h3>Email</h3>
    <p><a href="mailto:dakshpr17@gmail.com">dakshpr17@gmail.com</a></p>

    <h3>Phone</h3>
    <p><strong>+91 7082269244</strong></p>

    <h3>LinkedIn</h3>
    <p><a href="https://linkedin.com/in/dakshRaj17"
target="_blank">linkedin.com/in/dakshRaj17</a></p>

    <h3>GitHub</h3>
    <p><a href="https://github.com/dakshRGit17"
target="_blank">github.com/dakshRGit17</a></p>

    <h3>LeetCode</h3>
    <p><a href="https://leetcode.com/daksh_codess"
target="_blank">leetcode.com/daksh_codess</a></p>

    <footer>
        <p><em>"Made by Daksh Raj"</em></p>
```
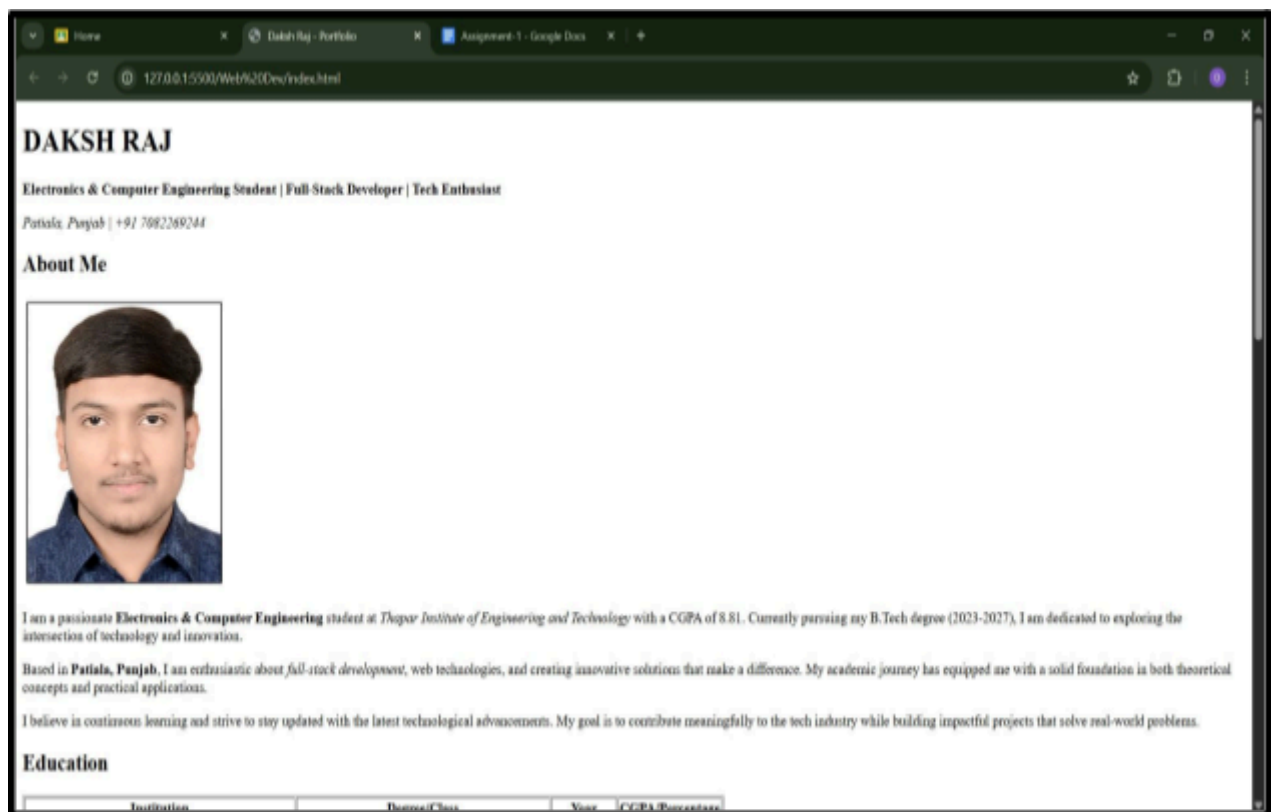
```
</footer>

</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
M.L.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

Core CS Concepts

- Data Structures and Algorithms
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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

Email

dakshraj17@gmail.com

Phone

+91 7082269244

...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

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github.com/dakshRGit17

LeetCode

leetcode.com/daksh_codera

"Made by Daksh Raj"