

# Registration Form Using HTML and CSS

## Introduction

In this guide, you will learn how to create a simple registration form using **HTML** and **CSS**. We will use **semantic HTML elements** to give the webpage a clear structure and **CSS** to style the table, making it easy to read and visually appealing.

## Why Use Semantic Tags?

Semantic tags like `<header>`, `<section>`, and `<table>` make webpages:

- More **accessible** for screen readers.
  - Easier to **read and maintain**.
  - Better structured for **search engines**.
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## Step 1: Setting Up the Project

First, create a new project folder and add the following files:

```
/timetable-project
| — index.html (Structure of the webpage)
| — styles.css (Styles for the webpage)
```

These two files will contain the HTML structure and CSS styling for the timetable.

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## Step 2: Writing the HTML Code

Open `index.html` and add the following code:

### 2.1. Header Component

```
<header>
  <h1>University Annual Carnival</h1>
  <p>Celebrate the spirit of our university with a day of fun, food, and festivities!</p>
</header>
```

### 2.2 Registration Form Component

```
<section id="registration">
  <h2>Register for the Carnival</h2>
  <form id="registrationForm">
    <label for="fullName">Full Name:</label>
    <input type="text" id="fullName" name="fullName" required>

    <div style="display: flex; align-items: center; gap: 10px;">
      <label>Gender:</label>
      <input type="radio" id="male" name="gender" required>
      <label for="male">Male</label>

      <input type="radio" id="female" name="gender" required>
      <label for="female">Female</label>

      <input type="radio" id="other" name="gender" required>
      <label for="other">Other</label>
    </div>

    <label for="email">Email:</label>
    <input type="email" id="email" name="email" required>

    <label for="contact">Contact Number:</label>
    <input type="tel" id="contact" name="contact" required>
```

```

<label for="department">Department:</label>
<select id="department" name="department">
  <option value="science">Science</option>
  <option value="arts">Arts</option>
  <option value="commerce">Commerce</option>
  <option value="engineering">Engineering</option>
</select>

<label for="comments">Additional Comments:</label>
<textarea id="comments" name="comments"></textarea>

<button type="submit">Register</button>
</form>
</section>

```

### Explanation of Form Components

- **<form>**: Creates a structured input form for user registration.
- **<input>**: Used for text fields, radio buttons, and other user inputs.
- **<label>**: Provides clear descriptions for input fields.
- **<select>**: Dropdown selection for departments.
- **<textarea>**: Allows users to add additional comments.
- **<button>**: Submits the form data.
- **<meta name="viewport">**: Ensures proper display on different screen sizes.

## 2.3 Event Schedule Component(Table)

```

<section id="schedule">
  <h2>Carnival Schedule</h2>
  <table>
    <thead>
      <tr>
        <th>Time</th>
        <th>Event</th>
        <th>Host</th>
        <th>Location</th>
      </tr>
    </thead>
    <tbody>
      <tr>

```

```

        <td>10:00 AM</td>
        <td>Opening Ceremony</td>
        <td>Prof. Anna Jones</td>
        <td>Main Stage</td>
    </tr>
    <tr>
        <td>11:00 AM</td>
        <td>Food Festival</td>
        <td>Student Council</td>
        <td>Food Court</td>
    </tr>
    <tr>
        <td>1:00 PM</td>
        <td>Talent Show</td>
        <td>Dr. Mark Lee</td>
        <td>Main Hall</td>
    </tr>
    <tr>
        <td>3:00 PM</td>
        <td>Closing Concert</td>
        <td>Guest Band</td>
        <td>Main Stage</td>
    </tr>
</tbody>
</table>
</section>

```

## Explanation of Table Components

- <header>: Displays the page title.
- <table>: Creates a structured timetable.
- <thead>: Defines the column headers.
- <tbody>: Contains the schedule data.
- <meta name="viewport">: Ensures proper display on different screen sizes.

## 2.4 Media Component (Images and Videos)

To make the page more engaging, add media elements such as images and videos.

```
<section id="media">
  <h2>Event Highlights</h2>
  
  <p>Watch our previous carnival highlights:</p>
  <video width="80%" controls>
    <source src="carnival-highlights.mp4" type="video/mp4">
    Your browser does not support the video tag.
  </video>
</section>
```

### Explanation of Media Components

- <img>: Displays an image related to the event.
- <video>: Embeds a video for highlights.
- <source>: Defines the video file format.

## 2.5 Footer Component

```
<footer>
  <p>&copy; 2025 University Annual Carnival. All rights reserved.</p>
</footer>
```

## Step 3: Writing the CSS Code

Open **styles.css** and add the following styles:

```
/* General Reset */
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

/* Body and General Styles */
body {
  font-family: 'Poppins', Arial, sans-serif;
```

```
background: #f7f7f7;
color: #333;
line-height: 1.6;
background-image:
url("https://i.pinimg.com/736x/d5/71/37/d5713712e1472bbfaecc352304d990e8.jpg");
}

header {
background: linear-gradient(135deg, #ff7eb3, #ff758c);
color: white;
text-align: center;
padding: 50px 20px;
}

header h1 {
font-size: 3.5rem;
margin-bottom: 10px;
text-shadow: 2px 2px 4px rgba(0, 0, 0, 0.2);
}

header p {
font-size: 1.2rem;
opacity: 0.9;
}

section {
padding: 40px 20px;
margin: 20px auto;
max-width: 1200px;
background: white;
box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);
border-radius: 10px;
}

h2 {
font-size: 2.5rem;
color: #ff758c;
text-align: center;
margin-bottom: 20px;
}

h2::after {
content: ";
```

```
display: block;
width: 100px;
height: 4px;
background: #ff7eb3;
margin: 10px auto;
border-radius: 2px;
}

/* Form Styles */
form {
display: flex;
flex-direction: column;
gap: 15px;
max-width: 600px;
margin: 0 auto;
}

input, select, textarea, button {
padding: 12px 15px;
border: 1px solid #ddd;
border-radius: 5px;
font-size: 1rem;
}

button {
background: linear-gradient(135deg, #ff7eb3, #ff758c);
color: white;
font-size: 1.1rem;
border: none;
cursor: pointer;
transition: background 0.3s ease;
}

button:hover {
background: linear-gradient(135deg, #ff758c, #ff7eb3);
}

/* Schedule Table */
table {
width: 100%;
border-collapse: collapse;
margin: 20px 0;
}
```

```

table th, table td {
  padding: 15px;
  text-align: left;
  border: 1px solid #ddd;
}

table th {
  background: #ff758c;
  color: white;
}

table tr:nth-child(even) {
  background: #f9f9f9;
}

section {
  padding: 40px 20px;
  margin: 20px auto;
  max-width: 1200px;
  background: rgba(255, 255, 255, 0.9); /* Semi-transparent background */
  box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);
  border-radius: 10px;
}

h2 {
  font-size: 2.5rem;
  color: #ff758c;
  text-align: center;
  margin-bottom: 20px;
}

/* Media Gallery */
.media-gallery {
  display: grid;
  grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));
  gap: 20px;
  margin-top: 20px;
}

iframe {
  width: 100%;
  height: 200px;
  border-radius: 10px;
  box-shadow: 0 2px 8px rgba(0, 0, 0, 0.2);
}

```



```
}

/* Footer */
footer {
  background: #ff7eb3;
  color: white;
  text-align: center;
  padding: 15px 10px;
}
```

### Explanation:

- **border-collapse: collapse;** Removes extra spacing between table borders.
  - **box-shadow:** Adds a slight shadow to the table for a modern look.
  - **Alternating row colors:** Improves readability.
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## Step 4: Viewing Your Registration form

1. Save both files in the same folder.
2. Open index.html in your browser.

You should now see a well-structured, styled timetable with clear headings and readable content.

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### What You Learned:

- How to use **semantic HTML** for a well-structured webpage.
- How to style a **table with CSS** to enhance readability.
- How to organize files for a small project efficiently.

Now you have a fully functional weekly timetable! Keep experimenting and improving your project. Add some more styles to give this project your personal touch.

### Still confused?

If you are facing difficulties building this time-table feel free to check out the completed project on github.

Download the project into your system and get your hands dirty.