

STUDENT REGISTRATION FORM:

CODE:

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Student Registration Form</title>

    <style>

        /* Additional CSS styling */

        fieldset {

            margin-bottom: 20px;

        }

        label {

            display: inline-block;

            width: 150px;

            text-align: right;

            margin-right: 10px;

        }

        input[type="submit"] {

            background-color: #4CAF50;

            color: white;

            padding: 12px 20px;

            border: none;

            border-radius: 4px;

            cursor: pointer;

        }
```

```
        input[type="submit"]:hover {
            background-color: #45a049;
        }
    </style>
</head>
<body>
    <h1>Student Registration Form</h1>
    <form>
        <fieldset>
            <legend>Personal Information:</legend>
            <label for="firstName">First Name:</label>
            <input type="text" id="firstName" name="firstName" required><br>

            <label for="lastName">Last Name:</label>
            <input type="text" id="lastName" name="lastName" required><br>

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

            <label for="phone">Phone Number:</label>
            <input type="tel" id="phone" name="phone" pattern="[0-9]{3}-[0-9]{3}-[0-9]{4}"
placeholder="123-456-7890"><br>

            <label for="gender">Gender:</label>
            <select id="gender" name="gender" required>
                <option value="">Select</option>
                <option value="male">Male</option>
                <option value="female">Female</option>
                <option value="other">Other</option>
            </select>
        </fieldset>
    </form>
</body>
</html>
```

</select>

<label for="dob">Date of Birth:</label>

<input type="date" id="dob" name="dob" required>

</fieldset>

<fieldset>

<legend>Educational Information:</legend>

<label for="school">School/University:</label>

<input type="text" id="school" name="school" required>

<label for="major">Major:</label>

<input type="text" id="major" name="major" required>

<label for="year">Year of Study:</label>

<input type="number" id="year" name="year" min="1" max="6" required>

</fieldset>

<fieldset>

<legend>Address:</legend>

<label for="address">Address:</label>

<textarea id="address" name="address" rows="3" required></textarea>

<label for="city">City:</label>

<input type="text" id="city" name="city" required>

<label for="state">State:</label>

<input type="text" id="state" name="state" required>


```
<label for="zip">Zip Code:</label>

<input type="text" id="zip" name="zip" pattern="[0-9]{5}" placeholder="12345" required><br>

</fieldset>

<fieldset>

<legend>Interests:</legend>

<label for="interests">Interests (select multiple):</label><br>

<input type="checkbox" id="sports" name="interests" value="sports">

<label for="sports">Sports</label>

<input type="checkbox" id="music" name="interests" value="music">

<label for="music">Music</label>

<input type="checkbox" id="reading" name="interests" value="reading">

<label for="reading">Reading</label><br>

</fieldset>

<input type="submit" value="Register">

</form>

</body>

</html>
```

EXPLANATION OF TAGS USED :

Structural Tags:

- <DOCTYPE html>: Declares the document as HTML5.
- <html>: The root element of the HTML document.
- <head>: Contains metadata about the document, not displayed in the browser.
- <title>: Specifies the title of the web page, displayed in the browser's title bar.
- <body>: Contains the visible content of the web page.
- <h1>: Defines a level 1 heading (the most important heading).
- <form>: Creates a form for collecting user input.
- <fieldset>: Groups related form elements together, often with a visual border.
- <legend>: Defines a caption for a fieldset.

- `<label>`: Labels an input element, making it easier for users to understand what information to provide.
- `<input>`: Creates various types of input fields for user input (text, email, phone, date, number, etc.).
- `<select>`: Creates a dropdown list for user selection.
- `<option>`: Represents an option within a dropdown list.
- `<textarea>`: Creates a multi-line text input area.
- `
`: Inserts a single line break.

Styling Tags:

- `<style>`: Contains CSS code for styling the document's appearance.

Additional Notes:

- `<meta charset="UTF-8">`: Specifies the character encoding of the document (UTF-8 is recommended for international compatibility).
- `<meta name="viewport" content="width=device-width, initial-scale=1.0">`: Optimizes the page for different screen sizes and devices.
- `id` and `name` attributes: Used to identify and refer to specific elements within the HTML code.
- `required` attribute: Indicates that a form field is required to be filled in by the user.
- `pattern` attribute: Specifies a regular expression pattern that the input value must match.
- `placeholder` attribute: Provides a hint or default value for an input field.
- `min` and `max` attributes: Specify the minimum and maximum allowed values for a number input field.

OUTPUT:

Student Registration Form

Personal Information:

First Name:
Last Name:
Email:
Phone Number:
Gender:
Date of Birth:

Educational Information:

School/University:
Major:
Year of Study:

Address:

Address:
City:
State:
Zip Code:

Interests:

Interests (select multiple):
☐ Sports
☐ Music
☐ Reading

Register