

```

%%html
<style>
  .error {
    color: red;
    margin-left: 10px;
  }
  .success {
    color: green;
    margin-left: 10px;
  }
</style>

<form id="studentForm">
  <label for="name">Name:</label>
  <input type="text" id="name" name="name"><span id="nameError"></span><br><br>

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

  <label for="phone">Phone:</label>
  <input type="tel" id="phone" name="phone"><span id="phoneError"></span><br><br>

  <label for="age">Age:</label>
  <input type="number" id="age" name="age"><span id="ageError"></span><br><br>

  <label for="course">Course:</label>
  <select id="course" name="course">
    <option value="">Select a course</option>
    <option value="math">Math</option>
    <option value="science">Science</option>
    <option value="history">History</option>
  </select><span id="courseError"></span><br><br>

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

<div id="output"></div>

<script>
const form = document.getElementById("studentForm");
const outputDiv = document.getElementById("output");

function validateName() {
  let name = document.getElementById("name").value.trim();
  let error = document.getElementById("nameError");
  error.className = "error";
  if (name === "") {
    error.textContent = "Name is required";
    return false;
  }
  error.textContent = "✓ Looks good";
  error.className = "success";
  return true;
}

function validateEmail() {
  let email = document.getElementById("email").value.trim();
  let error = document.getElementById("emailError");
  error.className = "error";
  let emailPattern = /^[^ ]+@[^ ]+\.[a-z]{2,3}$/;
  if (email === "") {
    error.textContent = "Email is required";
    return false;
  } else if (!email.match(emailPattern)) {
    error.textContent = "Enter a valid email";
    return false;
  }
  error.textContent = "✓ Valid email";
  error.className = "success";
  return true;
}

function validatePhone() {
  let phone = document.getElementById("phone").value.trim();
  let error = document.getElementById("phoneError");
  error.className = "error";
  let phonePattern = /^[0-9]{10}$/;
  if (phone === "") {
    error.textContent = "Phone number is required";
    return false;
  } else if (!phone.match(phonePattern)) {
    error.textContent = "Enter a 10-digit phone number";
  }
}

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        return false;
    }
    error.textContent = "✓ Valid phone";
    error.className = "success";
    return true;
}

function validateAge() {
    let age = document.getElementById("age").value.trim();
    let error = document.getElementById("ageError");
    error.className = "error";
    if (age === "") {
        error.textContent = "Age is required";
        return false;
    } else if (age < 15 || age > 35) {
        error.textContent = "Age must be between 15 and 35";
        return false;
    }
    error.textContent = "✓ Valid age";
    error.className = "success";
    return true;
}

function validateCourse() {
    let course = document.getElementById("course").value;
    let error = document.getElementById("courseError");
    error.className = "error";
    if (course === "") {
        error.textContent = "Course selection is required";
        return false;
    }
    error.textContent = "✓ Course selected";
    error.className = "success";
    return true;
}

form.addEventListener("submit", function(event) {
    event.preventDefault(); // Prevent default form submission

    if (validateName() && validateEmail() && validatePhone() && validateAge() && validateCourse()) {
        const formData = new FormData(form);
        let outputHTML = '<h3>Form Submission Details:</h3><ul>';
        for (let [name, value] of formData) {
            outputHTML += `<li><strong>${name}</strong> ${value}</li>`;
        }
        outputHTML += '</ul>';
        outputDiv.innerHTML = outputHTML;
        alert("Form submitted successfully!");
    } else {
        outputDiv.innerHTML = ''; // Clear previous output if validation fails
    }
});
</script>

```

Name: ✓ Looks good

Email: ✓ Valid email

Phone: ✓ Valid phone

Age: ✓ Valid age

Course: ✓ Course selected

Form Submission Details:

- **name:** smith
- **email:** smith@gmail.com
- **phone:** 9008888777
- **age:** 25
- **course:** history

