

# Day 1 - HTML (Pages + Forms)

Study Materials + Templates for the Day 1 Assessment

## What you must deliver

- Build Sprint 1 (3h): Create folder + pages (index, about, contact, login, register, dashboard) and reuse one Navbar + Footer on every page.
- Build Sprint 2 (2h): Build a full Admission/Registration form (major input types + validation attributes) and a Login form + Forgot Password UI.
- Assessment Build (3h): Replicate a modern landing page structure using semantic HTML only (hero, features, pricing, testimonials, footer).
- Fix + Polish (1h): Test mobile + desktop, verify validations + error states, clean CSS/JS, commit/backup.

## Recommended folder structure

```
day1-html/
  index.html
  about.html
  contact.html
  login.html
  register.html
  dashboard.html
  assets/
    css/
      style.css
    img/
    js/
      app.js
```

## Base HTML template (use on every page)

**Tip:** Copy this template into each file first, then change the <title> and the <main> content.

```
<!doctype html>
<html lang="en">
<head>
  <meta charset="utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <title>Page Title</title>
  <meta name="description" content="Day 1 HTML project" />
  <link rel="stylesheet" href="assets/css/style.css" />
```

```

</head>
<body>

    <!-- Navbar -->
    <header>
        <nav aria-label="Primary">
            <a href="index.html">Brand</a>
            <ul>
                <li><a href="about.html">About</a></li>
                <li><a href="contact.html">Contact</a></li>
                <li><a href="register.html">Register</a></li>
                <li><a href="login.html">Login</a></li>
                <li><a href="dashboard.html">Dashboard</a></li>
            </ul>
        </nav>
    </header>

    <!-- Page Content -->
    <main id="main">
        <h1>Heading</h1>
        <p>Content goes here...</p>
    </main>

    <!-- Footer -->
    <footer>
        <p>&copy; <span id="year"></span> Brand. All rights reserved.</p>
    </footer>

    <script>
        document.getElementById("year").textContent = new Date().getFullYear();
    </script>
</body>
</html>

```

## Sprint 1 - Pages checklist

### Minimum content per page

- index.html: Hero + preview sections (features, pricing, testimonials).
- about.html: Mission, story, team (use `<section>`).
- contact.html: Contact form + address info.
- login.html: Login form + forgot password area.
- register.html: Full admission/registration form.
- dashboard.html: Welcome card + profile summary + quick links.

**Tip:** Keep one `<h1>` per page, and use semantic layout tags: header, nav, main, section, footer.

## Sprint 2 - Forms + validation essentials

### Must-use rules

- Every input must have a `<label>` with matching `for/id`.
- Use `name` attributes so the form submits meaningful keys.
- Use `required` for mandatory fields and validation attributes for correctness.
- Group related inputs using `<fieldset>` and `<legend>`.

### Major input types you should include in the Admission Form

- Text & identity: text, email, tel, password, number
- Dates: date (DOB)
- Choices: radio, checkbox, select, textarea
- Uploads & extras: file, url (portfolio), range (skill level)

### Validation attributes you should demonstrate

- `required`
- `minlength / maxlength`
- `min / max / step`
- `pattern` (phone, password rules)
- `type=email` (built-in email validation)
- `accept` (file type restrictions)
- `autocomplete` (UX improvement)

### Common pattern examples

```
<!-- Phone: 10 digits -->
<input type="tel" name="phone" id="phone"
    required pattern="[0-9]{10}" title="Enter 10-digit phone number" />

<!-- Password: 8+ chars, uppercase, lowercase, number -->
<input type="password" name="password" id="password"
    required minlength="8"
    pattern="(?=.*[A-Z])(?=.*[a-z])(?=.*[0-9]).{8,}"
    title="Min 8 chars, include uppercase, lowercase, number" />
```

### Admission/Registration Form template (paste into register.html)

```
<main>
    <h1>Admission / Registration</h1>

    <form action="#" method="post" enctype="multipart/form-data">
        <!-- Personal Info -->
```

```

<fieldset>
    <legend>Personal Information</legend>

    <p>
        <label for="full_name">Full Name *</label><br />
        <input type="text" id="full_name" name="full_name"
            required minlength="3" maxlength="50"
            placeholder="Enter your full name" autocomplete="name" />
    </p>

    <p>
        <label for="email">Email *</label><br />
        <input type="email" id="email" name="email"
            required placeholder="name@example.com" autocomplete="email" />
    </p>

    <p>
        <label for="phone">Phone *</label><br />
        <input type="tel" id="phone" name="phone"
            required pattern="[0-9]{10}" title="Enter 10-digit phone number"
            placeholder="10-digit mobile" autocomplete="tel" />
    </p>

    <p>
        <label for="dob">Date of Birth *</label><br />
        <input type="date" id="dob" name="dob" required />
    </p>

    <p>
        <span>Gender *</span><br />
        <label><input type="radio" name="gender" value="male" required /> Male</label>
        <label><input type="radio" name="gender" value="female" /> Female</label>
        <label><input type="radio" name="gender" value="other" /> Other</label>
    </p>
</fieldset>

<!-- Academic -->
<fieldset>
    <legend>Academic Details</legend>

    <p>
        <label for="course">Course *</label><br />
        <select id="course" name="course" required>
            <option value="">-- Select --</option>
            <option value="bca">BCA</option>
            <option value="btech">B.Tech</option>
    
```

```

        <option value="mca">MCA</option>
    </select>
</p>

<p>
    <label for="year">Year/Semester *</label><br />
    <input type="number" id="year" name="year"
        required min="1" max="8" step="1"
        placeholder="1 to 8" />
</p>

<p>
    <label for="cgpa">CGPA (0-10)</label><br />
    <input type="number" id="cgpa" name="cgpa"
        min="0" max="10" step="0.01" placeholder="e.g., 8.25" />
</p>
</fieldset>

<!-- Address -->
<fieldset>
    <legend>Address</legend>

    <p>
        <label for="address">Full Address *</label><br />
        <textarea id="address" name="address" rows="3"
            required minlength="10" maxlength="200"
            placeholder="House, street, city, state, pin"></textarea>
    </p>

    <p>
        <label for="pin">PIN Code *</label><br />
        <input type="text" id="pin" name="pin"
            required pattern="[0-9]{6}" title="Enter 6-digit PIN"
            placeholder="6-digit PIN" />
    </p>
</fieldset>

<!-- Skills / Links / Upload -->
<fieldset>
    <legend>Skills & Documents</legend>

    <p>
        <span>Skills</span><br />
        <label><input type="checkbox" name="skills[]" value="html" /> HTML</label>
        <label><input type="checkbox" name="skills[]" value="css" /> CSS</label>
        <label><input type="checkbox" name="skills[]" value="js" /> JavaScript</label>
    </p>

```

```

</p>

<p>
    <label for="portfolio">Portfolio URL</label><br />
    <input type="url" id="portfolio" name="portfolio"
        placeholder="https://your-portfolio.com" />
</p>

<p>
    <label for="skill_level">Skill Level (0-100)</label><br />
    <input type="range" id="skill_level" name="skill_level" min="0" max="100" />
</p>

<p>
    <label for="photo">Upload Photo (JPG/PNG) *</label><br />
    <input type="file" id="photo" name="photo"
        required accept=".jpg,.jpeg,.png" />
</p>
</fieldset>

<!-- Account -->
<fieldset>
    <legend>Account Setup</legend>

    <p>
        <label for="password">Password *</label><br />
        <input type="password" id="password" name="password"
            required minlength="8"
            pattern="(?=.*[A-Z])(?=.*[a-z])(?=.*[0-9]).{8,}"
            title="Min 8 chars, include uppercase, lowercase, number"
            placeholder="Create a strong password" autocomplete="new-password" />
    </p>

    <p>
        <label>
            <input type="checkbox" name="terms" required />
            I agree to the terms & conditions *
        </label>
    </p>
</fieldset>

<p>
    <button type="submit">Submit Application</button>
    <button type="reset">Reset</button>
</p>
</form>

```

```
</main>
```

## Login + Forgot Password UI template (paste into login.html)

```
<main>
  <h1>Login</h1>

  <form action="#" method="post">
    <p>
      <label for="login_email">Email *</label><br />
      <input type="email" id="login_email" name="email" required autocomplete="email" />
    </p>

    <p>
      <label for="login_password">Password *</label><br />
      <input type="password" id="login_password" name="password" required
      autocomplete="current-password" />
    </p>

    <p><button type="submit">Login</button></p>
  </form>

  <hr />

  <section aria-label="Forgot Password">
    <h2>Forgot Password?</h2>
    <p>Enter your email to receive a reset link.</p>

    <form action="#" method="post">
      <p>
        <label for="fp_email">Email *</label><br />
        <input type="email" id="fp_email" name="fp_email" required />
      </p>
      <p><button type="submit">Send Reset Link</button></p>
    </form>
  </section>
</main>
```

## Assessment build - Modern landing page (semantic HTML only)

**Tip:** Use section for page blocks, article for repeated cards, and figure/blockquote for testimonials.

```
<main>
```

```

<section id="hero">
  <h1>One clear headline</h1>
  <p>Supporting line that explains the value.</p>
  <a href="register.html">Get Started</a>
  <a href="about.html">Learn More</a>
</section>

<section id="features">
  <h2>Features</h2>
  <article><h3>Feature 1</h3><p>Benefit-focused explanation.</p></article>
  <article><h3>Feature 2</h3><p>Benefit-focused explanation.</p></article>
  <article><h3>Feature 3</h3><p>Benefit-focused explanation.</p></article>
</section>

<section id="pricing">
  <h2>Pricing</h2>
  <article><h3>Basic</h3><p>Price + 3 bullets</p></article>
  <article><h3>Pro</h3><p>Price + 3 bullets</p></article>
  <article><h3>Enterprise</h3><p>Price + 3 bullets</p></article>
</section>

<section id="testimonials">
  <h2>Testimonials</h2>
  <figure>
    <blockquote>"Short feedback line."</blockquote>
    <figcaption>- Student Name, Course</figcaption>
  </figure>
</section>
</main>

```

## Fix + Polish - QA checklist (1 hour)

- Mobile + desktop: check navbar wrapping, form overflow, font sizes.
- Validations: submit empty forms, wrong phone/PIN, weak password.
- Clean CSS/JS: remove unused rules, rename classes clearly.
- Commit/backup: zip the folder or push to GitHub.

## Quick rubric (10 points)

Criteria	Points	What to check
All pages exist + correct links	2	All required HTML files present; nav links work.

Navbar + footer reused on every page	2	Same structure; consistent links; no broken paths.
Admission form: variety + validations	3	Major input types present; required/pattern/min/max used; labels match inputs.
Login + forgot password UI	1	Two sections/forms exist; required email fields.
Landing page sections (semantic HTML)	2	Hero/features/pricing/testimonials/footer; uses section/article/figure appropriately.

**Tip:** Submission: zip the project folder and include a screenshot of the index page + register page in browser (desktop or mobile view).