

Week 3 Lab — HTML Tag Safari (Step-by-Step)

Time: 60–90 min

Goal: Explore common HTML tags by building one page that uses text, links, lists, media, tables, forms, and semantic structure.

Submit: repo link + index.html + README.md + 2 screenshots.

0) Starter file (copy this, then fill each step)

```
<!doctype html>
<html lang="en">
<head>
  <meta charset="utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <title>UCU Student Handbook (Tag Safari)</title>
  <meta name="description" content="Practice page showcasing common HTML tags." />
</head>
<body>
  <a href="#main" class="skip">Skip to content</a>

  <header>
    <h1>UCU Student Handbook</h1>
    <nav aria-label="Primary">
      <a href="#text">Text</a>
      <a href="#links">Links</a>
      <a href="#lists">Lists</a>
      <a href="#media">Media</a>
      <a href="#table">Table</a>
      <a href="#forms">Forms</a>
    </nav>
  </header>

  <main id="main">
    <!-- fill steps below -->
  </main>

  <footer>
    <small>© 2025 Uganda Christian University</small>
  </footer>
</body>
</html>
```

1) Text & headings (add under)

```
<section id="text" aria-labelledby="text-title">
  <h2 id="text-title">Text & Headings</h2>
  <h3>Welcome Note</h3>
  <p>UCU is a <strong>student-first</strong> university. Please <em>read carefully</em> and <mark>bo</p>
  <p>Water formula is H<sub>2</sub>O and area is m<sup>2</sup>. Press <kbd>Ctrl</kbd>+<kbd>S</kbd> t</p>
  <pre><code>Important Code: git status</code></pre>
  <blockquote cite="https://example.com/policy">
    "Education is the most powerful weapon..."
  </blockquote>
  <p>We use the <abbr title="Learning Management System">LMS</abbr> for class notices.</p>
  <hr />
</section>
```

Tags: h2–h3, p, strong, em, mark, sub, sup, kbd, pre, code, blockquote, abbr, hr

2) Links & navigation

```
<section id="links" aria-labelledby="links-title">
  <h2 id="links-title">Links & Navigation</h2>
  <p>
    Visit the <a href="https://portal.ucu.ac.ug" target="_blank" rel="noopener">UCU Portal</a>
    or jump to the <a href="#forms">Forms</a> section.
  </p>
  <p>
    Email us: <a href="mailto:helpdesk@ucu.ac.ug">helpdesk@ucu.ac.ug</a> .
    Call: <a href="tel:+256700000000">+256 700 000 000</a>
  </p>
</section>
```

Tags: a (external, internal, mailto, tel), nav

3) Lists (unordered, ordered, description)

```
<section id="lists" aria-labelledby="lists-title">
  <h2 id="lists-title">Lists</h2>
  <h3>Clubs (UL)</h3>
  <ul>
    <li>Debate</li>
    <li>ICT</li>
    <li>Drama</li>
  </ul>

  <h3>Orientation Steps (OL)</h3>
  <ol>
    <li>Collect ID</li>
    <li>Activate Portal</li>
    <li>Attend tour</li>
  </ol>

  <h3>Key Terms (DL)</h3>
  <dl>
    <dt>Credit Unit</dt><dd>Measure of coursework load.</dd>
    <dt>GPA</dt><dd>Grade Point Average.</dd>
  </dl>
</section>
```

Tags: ul, ol, li, dl, dt, dd

4) Media (image, optional audio/video)

```
<section id="media" aria-labelledby="media-title">
  <h2 id="media-title">Media</h2>
  <figure>
    
    <figcaption>Campus scenery (placeholder)</figcaption>
  </figure>

  <!-- Optional -->
  <!-- <audio controls src="audio/campus-intro.mp3"></audio> -->
  <!-- <video controls width="480" src="video/campus-tour.mp4" poster="images/poster.jpg"></video> -->
</section>
```

Tags: img, figure, figcaption (+ optional audio, video)

5) Table (with caption & scope)

```
<section id="table" aria-labelledby="table-title">
```

```

<h2 id="table-title">Sample Timetable</h2>
<table>
  <caption>Diploma in IT – Week Plan</caption>
  <thead>
    <tr>
      <th scope="col">Day</th>
      <th scope="col">Course</th>
      <th scope="col">Time</th>
      <th scope="col">Venue</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <th scope="row">Mon</th><td>Web Dev</td><td>10:00-12:00</td><td>LAB 2</td>
    </tr>
    <tr>
      <th scope="row">Wed</th><td>DB Systems</td><td>14:00-16:00</td><td>LAB 1</td>
    </tr>
    <tr>
      <th scope="row">Fri</th><td>Networks</td><td>09:00-11:00</td><td>A-Block 3</td>
    </tr>
  </tbody>
</table>
</section>

```

Tags: table, caption, thead, tbody, tr, th(scope), td

6) Forms (labels, inputs, select, textarea, fieldset)

```

<section id="forms" aria-labelledby="forms-title">
  <h2 id="forms-title">Contact Form</h2>
  <form method="get" action="https://httpbin.org/get">
    <fieldset>
      <legend>Send a Message</legend>

      <label for="name">Name</label>
      <input id="name" name="name" required />

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

      <label for="role">Role</label>
      <select id="role" name="role">
        <option>Student</option>
        <option>Staff</option>
      </select>

      <label>Subscribe</label>
      <label><input type="radio" name="sub" value="yes"> Yes</label>
      <label><input type="radio" name="sub" value="no"> No</label>

      <label for="msg">Message</label>
      <textarea id="msg" name="message" rows="4" required></textarea>

      <button type="submit">Send</button>
    </fieldset>
  </form>
  <details>
    <summary>Help</summary>
    <p>We'll reply in 1-2 working days.</p>
  </details>
</section>

```

Tags: form, fieldset, legend, label, input(text/email/radio), select, option, textarea, button, details/summary

7) Semantic structure & extras

```
<!-- Already used: header, nav, main, section, footer -->
<aside aria-label="Quick Links">
  <h2>Quick Links</h2>
  <ul>
    <li><a href="https://library.ucu.ac.ug" target="_blank" rel="noopener">Library</a></li>
  </ul>
</aside>
<p>Updated on <time datetime="2025-09-16">Sept 16, 2025</time>. </p>
<address>Admissions Office, UCU, Mukono – Uganda</address>
```

Deliverables (end of Week 3)

- Repo: ucu-dip-webdev-2025-tag-safari--
- Files: index.html, README.md (50–100 words: what tags were new to you? two accessibility tips you applied)
- Screenshots (2): (1) Page in browser (2) DevTools → Elements showing semantic landmarks

Rubric (4 pts)

- Text, links, lists correctly used — 1.0
- Media + table with proper caption and scope — 1.0
- Form with labels, required fields, and grouped controls — 1.5
- Semantic structure + README + screenshots — 0.5

Quick tips

- Every input must have a label (for/id).
- Images must have meaningful alt text.
- Headings go in order: h1 → h2 → h3.
- External links opened in new tabs should include rel="noopener".