




Assignments > HW 1: Create a Dynamic HTML Resume

HW 1: Create a Dynamic HTML Resume

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Instructions

Objective:

Build a professional, interactive resume web page using advanced HTML elements and features. This assignment will test your ability to structure content, utilize semantic elements, implement media, and add interactivity.

Instructions:

Submit

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advanced HTML elements.

- Create a visually attractive and functional resume that includes **dynamic and interactive features**.

2. Requirements:

Your resume must include the following **mandatory sections and advanced features**:

1. Header

- Your full name and professional title (use <header> and <h1> tags effectively).
- A **responsive navigation menu** with links to each section of the resume (e.g., Work Experience, Skills).
- Contact information with clickable links for:
 - Email (mailto:).
 - Phone number (tel:).
 - Social media profiles (e.g., LinkedIn, GitHub).

2. Summary/About Me/Profile

- A **dynamic summary**:
 - Include a paragraph introducing yourself, with certain words styled using ``, ``, and `<mark>`.
 - Add **tooltips** using the `<abbr>` tag to explain technical jargon or certifications.
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3. Work Experience

- For each job:
 - Include job title, company name, duration, and responsibilities.
 - Format responsibilities as an **ordered list** with **interactive tooltips** (e.g., hover over a task for more details).
 - Add an **expandable section** using `<details>` and `<summary>` tags to provide additional details about specific roles.
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4. Education

- Use a **table** to display:
 - Degree, Institution, Graduation Date, GPA, and Achievements.
 - Include **icons/images** for the institutions or certifications.
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5. Skills

- Create a **progress bar** or **rating system** using `<progress>` or `<meter>` elements for each skill (e.g., HTML: 90%, JavaScript: 75%, C++:80%).
 - Group technical skills into categories using `<fieldset>` and `<legend>`.
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6. Projects

- Include at least **three projects**, with:
 - Name, description, technologies used (use `` or `<dl>`).
 - Links to live projects (using `<a>`).
 - A preview image or **embedded media** (e.g., video demonstration using `<iframe>`).
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7. Certifications or Achievements

- Use a **definition list** (`<dl>`) to list certifications and achievements with short descriptions.
 - Highlight one certification with a **badge-like design** using custom CSS.
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8. Interests/Hobbies

- Add a **gallery of images** or icons representing your hobbies using the `<figure>` and `<figcaption>` tags.
 - Include a **hover effect** on images that reveals more information about the hobby.
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9. Footer

- Include:
 - A closing statement or call-to-action (e.g., “Let’s Connect”).
 - A **back-to-top button** using `<a>` with an `id` and `href`.
 - Add copyright information and links to your social media profiles.
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Advanced Features to Implement:

1. Semantic HTML:

Use `<header>`, `<nav>`, `<main>`, `<section>`, `<aside>`, `<article>`, and `<footer>` appropriately.

2. Interactive Elements:

- **Forms:** Add a simple contact form with:
 - Fields for name, email, message.
 - A submit button with a hover animation.
- **Media Embeds:** Use `<audio>` or `<video>` to embed a media file related to your projects or hobbies.

3. Responsive Design:

- Make the page **mobile-friendly** using a responsive layout with `<meta>` tags and flexible content.
- Add **media queries** to ensure proper rendering on different devices.

4. Accessibility:

- Add **ARIA roles** to enhance accessibility for screen readers.
- Use **alt attributes** for all images.
- Include **keyboard navigation** options (e.g., using `tabindex`).

5. Custom Styling (Optional but Encouraged):

- Use the `<style>` tag to implement creative and visually appealing styles.
 - Add **CSS transitions or animations** to elements (e.g., hovering over links, button clicks).
 - Use **pseudo-classes** like `:hover` and `:focus`.
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Submission:

1. Save your file as `YourName_resume.html`.
2. Include comments in your HTML code explaining how you implemented the advanced features.
3. Submit your file and/or host it on a free platform like GitHub Pages or CodePen and share the link.

Helpful Resources:

- W3Schools HTML Tutorial

Due on Jan 27, 2025 11:59 PM

Available until Jan 28, 2025 11:59 PM. **Access restricted after availability ends.**

Submit Assignment

Files to submit

(0) file(s) to submit

After uploading, you must click Submit to complete the submission.

Add a File

Record Audio

Record Video

Comments