

Homework Assignment: Personal Bio Page (Modern HTML + CSS)

Course: CS 430 Tool: Visual Studio Code Deliverable: ZIP submission

You will build a modern, sleek personal bio/portfolio webpage using semantic HTML and an external CSS file. You do not need a resume. You may use either **real information** about yourself or a **fictional persona** (invented name, background, experience, etc.). The goal is to demonstrate clean structure, modern layout, and professional styling.

Theme: A single-page site with a header + navigation, multiple sections (About, Skills, Experience/Projects, Education, Highlights, Contact), and a polished design similar to a modern portfolio page.

Learning Goals

- Use semantic HTML elements correctly (header, nav, main, section, footer).
- Create a modern layout with CSS Grid and/or Flexbox.
- Apply strong typography, spacing, and visual hierarchy.
- Include required HTML elements (lists, images, blockquote, form) with accessibility basics.
- Produce a responsive design with a mobile-friendly layout (media query).

Requirements

A) Files

- `index.html`
- `styles.css`
- `assets/` folder containing any images you use

B) HTML Structure (Must Include)

- DOCTYPE declaration: `<!DOCTYPE html>`
- `<html lang="en">`
- `<head>` with: charset, viewport, title, description, and link to external CSS
- `<header>` containing your name/site title
- `<nav>` with internal links in a list (`` + ``)
- `<main>` containing at least 5 distinct `<section id="...">` blocks
- `<footer>` with closing text
- At least 1 `<blockquote>` with a `<cite>`
- At least 2 lists total: one `` and one ``

- At least 3 images () with meaningful alt text
- At least 1 form (contact or feedback) with labels for each input (name, email, message minimum)

C) Content (What to Write)

- **About Me:** 1–2 paragraphs
- **Skills:** at least 6 skills (can be a list or chips/tags)
- **Experience or Projects:** at least 3 entries
- **Education:** at least 2 entries
- **Highlights / Fun Facts:** at least 5 bullet points
- **Contact:** include the form and at least one contact method (email or social link)

CSS Requirements

- Use CSS variables in :root (example: --bg, --text, --accent).
- Use CSS Grid or Flexbox for layout in at least two different areas.
- Modern styling: consistent spacing, readable typography, clear section hierarchy, card-style blocks.
- At least one hover effect (nav links and/or buttons).
- At least one media query for responsiveness (example: @media (max-width: 900px) { ... }).
- Create and use at least two button styles (example: .btn, .btn-primary).

Deliverables & Submission

Submit one ZIP file to Blackboard using the naming format below. Your ZIP must open cleanly and run by opening index.html in a browser.

ZIP name: CS430_HW_BioPage_LastName_FirstName.zip

ZIP contents:

- index.html
- styles.css
- assets/ (your images)

Grading Rubric (100 points)

| Category | Points |
|---|--------|
| Semantic HTML structure & required tags | 25 |
| Content completeness & organization | 20 |

| | |
|---|----|
| CSS quality (layout, spacing, modern look) | 25 |
| Responsive design (media query + mobile usability) | 15 |
| Accessibility basics (alt text, labels, headings) | 10 |
| Clean code (indentation, comments, file organization) | 5 |

Extra Credit (choose up to 2, +5 points each)

- Sticky header with translucent blur effect
- Back-to-top link or button
- Light/dark theme toggle using CSS classes (no framework required)
- Subtle transitions/animations (hover lift on cards, button transitions)
- Projects grid with clickable project cards (title, short description, link)

Student Self-Checklist (Before You Submit)

- My navigation links jump to the correct sections.
- I used header, nav, main, section, and footer properly.
- I included a blockquote and cite.
- I included both a ul and an ol.
- I included at least 3 images with descriptive alt text.
- My form includes labels and required fields (name, email, message).
- My CSS uses variables, grid/flex, hover effects, and a media query.
- The site looks good on desktop and mobile widths.

Note: You may use real or fictional information. Keep all content appropriate for class and professional presentation.