

Final Project — Comprehensive Portfolio Website

****Objective:**** Build a deployable personal portfolio website demonstrating all topics covered this semester (HTML, CSS, Responsive Design, JavaScript, Accessibility).

****Deliverables:****

- Live site URL (deployed)
- Git repository link
- Source code (ZIP or in repo)
- Project report (PDF, 2–4 pages)
- README.md in repo
- Screenshots: mobile, tablet, desktop, Lighthouse score (optional)
- Short demo video/GIF (optional)

****Required Features:****

- Semantic, accessible HTML structure
- Responsive design with media queries (mobile-first)
- CSS styling: variables, fonts, spacing, flexbox/grid
- JavaScript interactivity: nav toggle, form validation, dynamic feature
- Accessibility: ARIA labels, alt text, proper headings, skip link
- Performance optimizations: lazy loading, optimized images
- Deployment on GitHub Pages, Netlify, or Vercel

****Project Report Structure (PDF):****

- Title page: Project name, student info, date
- Abstract / Summary
- Introduction & Objectives
- Technologies & Resources
- Design & Implementation (with screenshots/code snippets)
- Functionality & Features
- Testing & Evaluation (incl. Lighthouse, accessibility checks)
- Challenges & Learnings
- Future Work & Improvements
- Conclusion
- Appendices (repo link, deployment link, extra notes)

****Assessment Rubric (100%):****

- Functionality & Features — 25%
- Code Quality & Structure — 20%
- Responsive Design — 15%
- JavaScript & Interactivity — 15%
- Accessibility & SEO — 10%
- Project Report & Documentation — 10%
- Bonus: Extra features (up to +5%)

Deadline: _____

Instructor: _____