README.txt

Project Title: Daniel Kinyua - Personal Portfolio Website

Submission Date: April 11, 2025

Student Name: Daniel Kinyua

Overview:

This is a dynamic, responsive, and accessible multi-page personal portfolio website built using HTML5, CSS3, JavaScript, and XML. The project showcases my web development skills and serves as a practical implementation of key concepts covered throughout the semester.

Project Structure:

1. Home Page (Home.html)

   - Introduction to the portfolio

   - Call-to-action to explore projects

   - Testimonials section

2. About Page (About.html)

   - Personal introduction with profile image

   - Background, skills, and goals

3. Projects Page (Project.html)

   - Dynamically displays project data using XML and JavaScript

   - Each project includes a title and description loaded from `projects.xml`

4. Gallery Page (Gallery.html)

   - Displays a visual gallery of work and/or inspiration

   - Fully responsive layout

5. Contact Page (Contact.html)

   - Contact form with basic form validation

   - Includes a "Get in Touch" header

   - Centered, user-friendly form layout

Key Features:

✅ HTML5 Structure:

- Semantic tags used (header, nav, section, article, footer)

- Valid HTML with accessible markup

- Includes ordered and unordered lists, and embedded images with alt text

✅ CSS Styling:

- External stylesheet (style.css)

- Responsive design using media queries

- Flexbox used for layout

- Consistent styling using the box model

✅ JavaScript Interactivity:

- Dark mode toggle (light/dark theme switch)

- Back-to-top floating button

- Fade-in scroll animations

- XML project data dynamically loaded into the Projects page

✅ XML Integration:

- `projects.xml` contains structured project data

- JavaScript parses and renders XML data on the Projects page using DOM manipulation

✅ Accessibility & Standards:

- HTML and CSS validated via W3C Validators

- WCAG compliant color contrast and keyboard navigability

- ARIA labels added to interactive elements for screen reader support

Accessibility & Usability:

- High contrast for readability

- ARIA roles and labels for assistive tech compatibility

- Fully keyboard navigable interface

- Responsive design for different screen sizes

Instructions to Run:

1. Unzip the project folder.

2. Open `Home.html` in any modern web browser.

3. Navigate between pages using the navigation bar.

4. For full functionality (XML rendering), ensure the project is opened via a local web server or use VS Code with Live Server extension.

Credits:

- Developed by Daniel Kinyua

- Icons: Emoji Unicode

- Fonts and browser compatibility ensured using default system fonts

Note:

Please open the project with a local server (e.g., Live Server in VS Code) for proper loading of XML data due to browser security restrictions when opening files via the `file://` protocol.