Final Project Report

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Topic: Personal Portfolio Website

- **General Info:**
  - Final Project Presentation Slides
    Link: https://docs.google.com/presentation/d/18f6anrj7UWc4Uu6kQx2wheIqQWqeS3vqgEovJrhyOM4/edit#slide=id.g262cdddd93d_0_14
  - Site Link (Coding): https://b04310041.github.io/SI539_final_project/
  - Git Repository Link (Coding): https://github.com/b04310041/SI539_final_project

- **Weekly Progress 1**
  - Hours spent: 15 hours
  - Challenges:
    - Organize the information architecture for different pages
    - Adjust different arrangements for various screen sizes
  - Successes:
    - Successfully implemented a cohesive information architecture across different pages, enhancing overall user experience and navigation.
    - Achieved responsive design by adapting layouts for various screen sizes, ensuring a seamless viewing experience for users on different devices.

- **Weekly Progress 2**
  - Hours spent: 3 hours
  - Challenges:
    - Identify some errors by using validators
  - Successes:
    - Increase accessibility
      - Add “Skip to Main Content”
        - Each page has a "Skip to Main Content" link that only appears when it has focus (using the tab key)

- Add arial-label attribute to empty link / button
- Improved accessibility for scrollable content:
    - Made scrollable content keyboard-accessible, allowing users to navigate through content effortlessly.
    - Applied tabindex="0" to the scrollable container, ensuring it receives focus and is accessible via keyboard navigation.
    - Utilized :focus-visible styling for a clear focus indicator, improving visibility and usability for users navigating with the tab key.**Final "results"/lessons learned.**

Final Results

1. Improved User Experience: Cohesive information architecture and responsive design significantly enhanced user experience across devices.
2. Enhanced Accessibility: Inclusion of a "Skip to Main Content" feature and ARIA attributes improved website accessibility for all users.
3. Error Identification: Regular validation checks led to prompt identification and resolution of errors during development.
4. Scrollable Content Accessibility: Improved keyboard accessibility and visual indicators enhanced usability for all users.

Lessons Learned

1. Continuous Testing: Regular validation is essential for early error detection, emphasizing the need for continuous testing.
2. Accessibility Priority: Prioritizing accessibility from the start contributes to ethical standards and a better user experience.
3. Responsive Design Challenges: Challenges in adapting layouts highlight the importance of thorough testing across devices.
4. User-Centric Design: A user-centric approach results in a more intuitive and user-friendly website.