

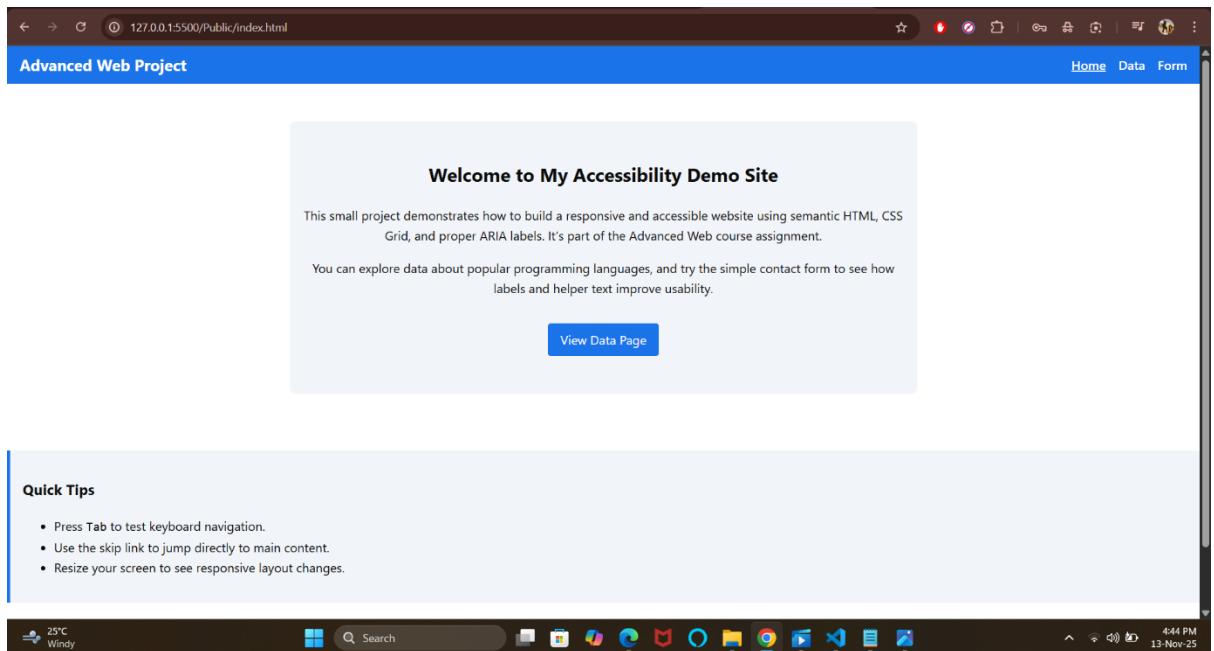
Name: Ted Wanjihia - 668749

Course: IST 4035

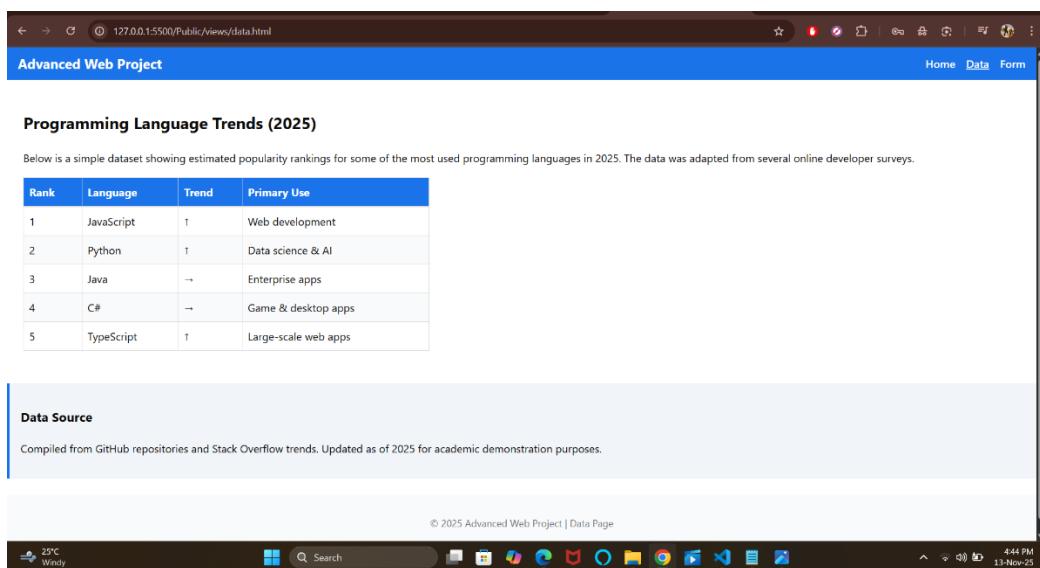
Assignment : Upload 1

1. Wireframes

- **Home Page Wireframe:** Header, navigation, main, aside, footer clearly marked.



- **Data Page Wireframe:** Table layout and content region.



- **Form Page Wireframe:** Input fields, labels, and helper text.

Contact Form

Have feedback or suggestions about this accessibility demo? Fill in the form below.

Full Name

Enter your official name.

Email Address

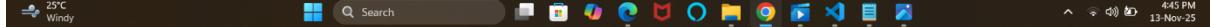
We'll only use your email to respond.

Message

Send Message

Why Accessibility Matters

Accessible websites help everyone — including people using screen readers, keyboards, and mobile devices. Following WCAG guidelines improves usability and inclusiveness.



Skip link working by use of tab function.

Welcome to My Accessibility Demo Site

This small project demonstrates how to build a responsive and accessible website using semantic HTML, CSS Grid, and proper ARIA labels. It's part of the Advanced Web course assignment.

You can explore data about popular programming languages, and try the simple contact form to see how labels and helper text improve usability.

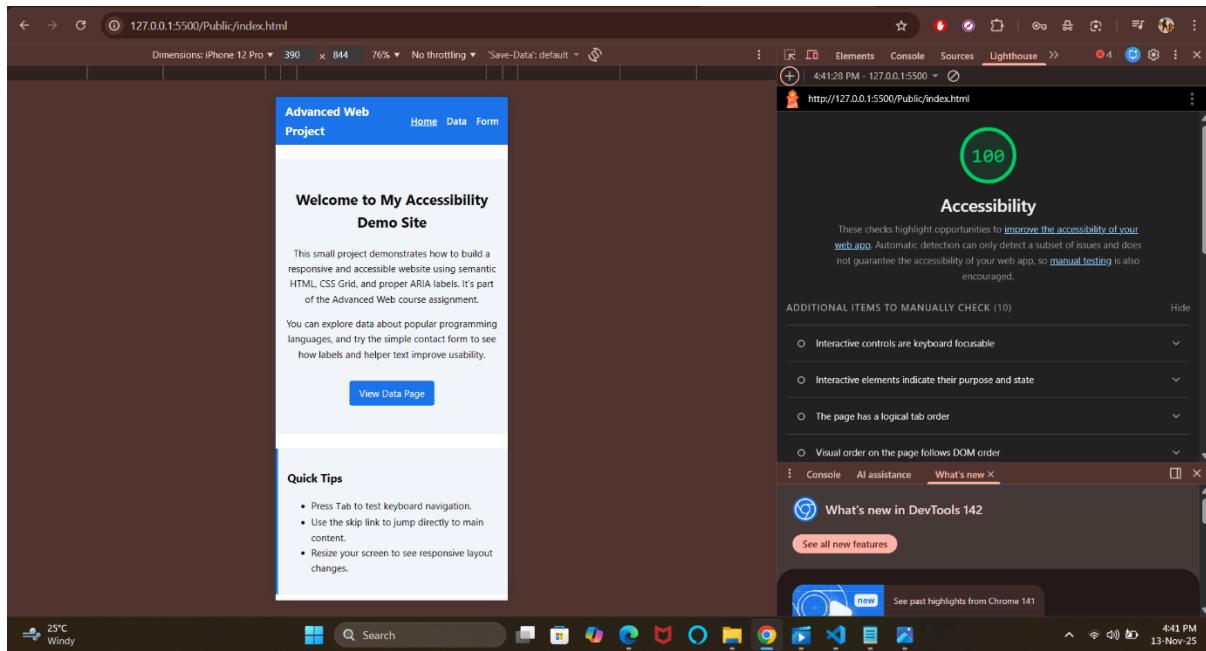
View Data Page

Quick Tips

- Press Tab to test keyboard navigation.
- Use the skip link to jump directly to main content.
- Resize your screen to see responsive layout changes.



3. Lighthouse Accessibility Report



Result: Accessibility Score = 100/ 100

Main Fixes Made: Added ARIA roles, skip-link focus script, improved label connections.

4. Color Contrast Evidence

Token	Foreground	Background	Ratio	Result
--color-text	#0b0b0b	#ffffff	19.68 :1	<input checked="" type="checkbox"/> Pass (AA & AAA)
--color-primary	#ffffff	#1a73e8	4:5:1	<input checked="" type="checkbox"/> Pass for large text (AA)
--color-muted	#6b7280	#ffffff	4.83 : 1	<input checked="" type="checkbox"/> Pass (AA)

All active UI elements and text meet or exceed WCAG 2.1 AA contrast ratios.

5. Accessibility Reflection

Building this project helped me understand how semantic HTML, color contrast, and keyboard navigation improve usability.

I ensured every page had clear landmarks, visible focus outlines, and one logical heading structure.

The Lighthouse audit confirmed strong accessibility performance.

Future improvements will include darker muted text for full AAA contrast and additional ARIA labels for dynamic elements.

7. GitHub Repository Link

<https://github.com/Tedwanjihia/advanced-web>