Zone Nguyen – Mobile Design & Testing Report
Author: Nguyen Quang Vinh
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Introduction & Purpose

The *Vinh's portfolio* website is my personal portfolio, designed to showcase my projects, coding skills (HTML, CSS, Python), and my journey as a semiconductor student. The primary goal is to present my work to potential collaborators, employers, or anyone interested in my programming and design capabilities. Because my audience includes mobile users, it was essential to design and test the website with responsiveness and performance in mind.

Design Rationale

Design Principles: The layout uses responsive web design techniques, including flexible grids and media queries, to adapt to different screen sizes. The navigation structure ("Home," "About," "Projects," "Contact") was kept minimal to maintain clarity and ease of use, especially on smaller devices.

I prioritized simplicity: minimal UI chrome, a clean color palette, and intuitive navigation. I decided to adopt a mobile-first mindset, designing for small screens first, then scaling up, because mobile users demand fast, straightforward experiences.

Technical Stack: I built the site using HTML and CSS — this choice ensures a lightweight, fast-loading website that is easy to maintain. The simplicity of the stack also helps with performance on mobile, where bandwidth and device resources may be limited.

Mobile Testing Strategy

Home   About   Projects   Contact

Zone Nguyen

A Handsome Semiconductor Student

Being a billionare without any jobs

Goal: Earning billions per day

Introduction

Hello everyone! My real name is Nguyen Quang Vinh.This is my final projects which I just built it by myself.

Hi, I'm Vinh again

About Me

Hello everyone!. I am newbie at coding with **nearly two months** at HTML and CSS

I am really interested atUndergraduate student in Semiconductor Engineering, self-driven and curious about technology. I enjoy designing practical projects that are both efficient and easy to grasp. I focus on creating small Python tools, developing simple web interfaces, and implementing interactive features when needed, often with applications related to semiconductors and electronics.

Well I think my hobbies are just like the others... Playing games, surfing social
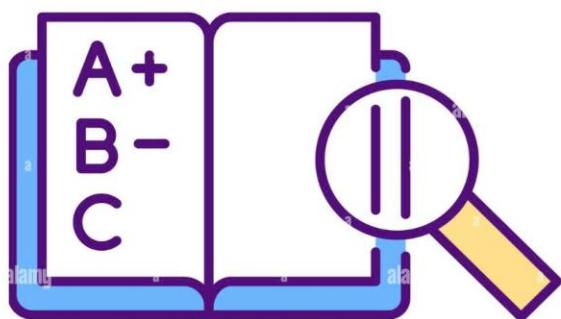
Home   About   **Projects**   Contact

Student Gradebook
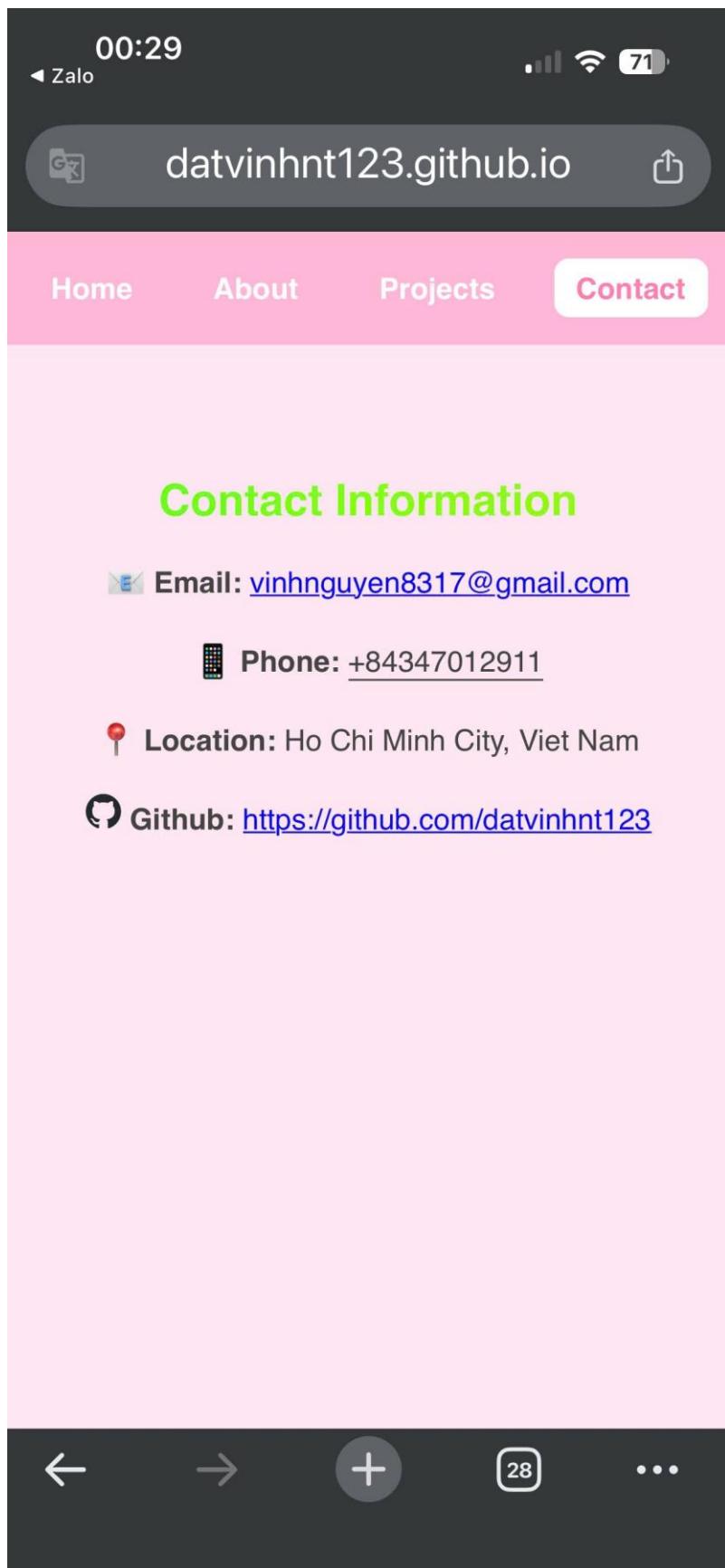
With python code interaction

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Details

Web development

A web that show my own portfolio

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Contact Information

📧 **Email:** vinhnguyen8317@gmail.com

📱 **Phone:** +84347012911

📍 **Location:** Ho Chi Minh City, Viet Nam

Github: https://github.com/datvinhnt123

Testing Results

What Worked Well:

- The responsive layout held up across devices; content reflows naturally.
- Navigation remained clear on mobile; the menu is easy to tap.
- Images scale correctly, maintaining visual appeal without breaking layout.
- Load times were acceptable on fast connections.

Issues Discovered:

- On very small screens, some text blocks were tight or slightly overlapped.
- Tap targets (buttons/links) were sometimes too small, making interaction difficult on smaller phones.
- Under slow network simulation, page load slowed, particularly for image-heavy sections.

Fixes Implemented:

- Added / refined CSS media queries to adjust font sizes and spacing for smaller devices.
- Increased the size of clickable elements (buttons, links) to meet recommended touch target sizes.
- Optimized images (compressed, used responsive image techniques) to reduce size and improve load times.

Conclusion & Next Steps

Testing highlighted the critical importance of mobile responsiveness, performance, and usability. The iterations improved the mobile experience, but more work remains. In future versions, I plan to:

- Test on a broader set of devices (including older phones)
- Incorporate automated regression testing for layout and functionality
- Continue to monitor performance and optimize further
- Gather feedback from real users to validate usability assumptions