Blazor Portfolio Site Progress Diary

# Initial

Blazor is weird… it doesn’t use C# as much as I expected, it feels like standard web development except with C# instead of javascript for writing functionality. Blazor seems more useful for web applications that require desktop-application-like speeds, especially web applications that interface heavily with servers. For a portfolio site that is mostly static, there doesn’t seem to be a benefit to using Blazor (oops).

# (12/26/22) Giving up on trying to build my website from scratch

I’ve been having some headaches trying to make everything look as I want it to using HTML and .css, so I thought to myself: what would a web developer actually do? No professional web developer is expected to make their website look good without using third party UI component libraries! There exists at least one Blazor UI component library—Blazorise—which luckily for me seems very comprehensive! I began integrating it today and already it’s making the UI so much simpler and nicer-looking. It’s many built-in components handle element spacing, consistent styling, differing aspect ratios, and likely even more! This saves a lot of time and headache, and I would be happy never attempting to do web UI from scratch again…

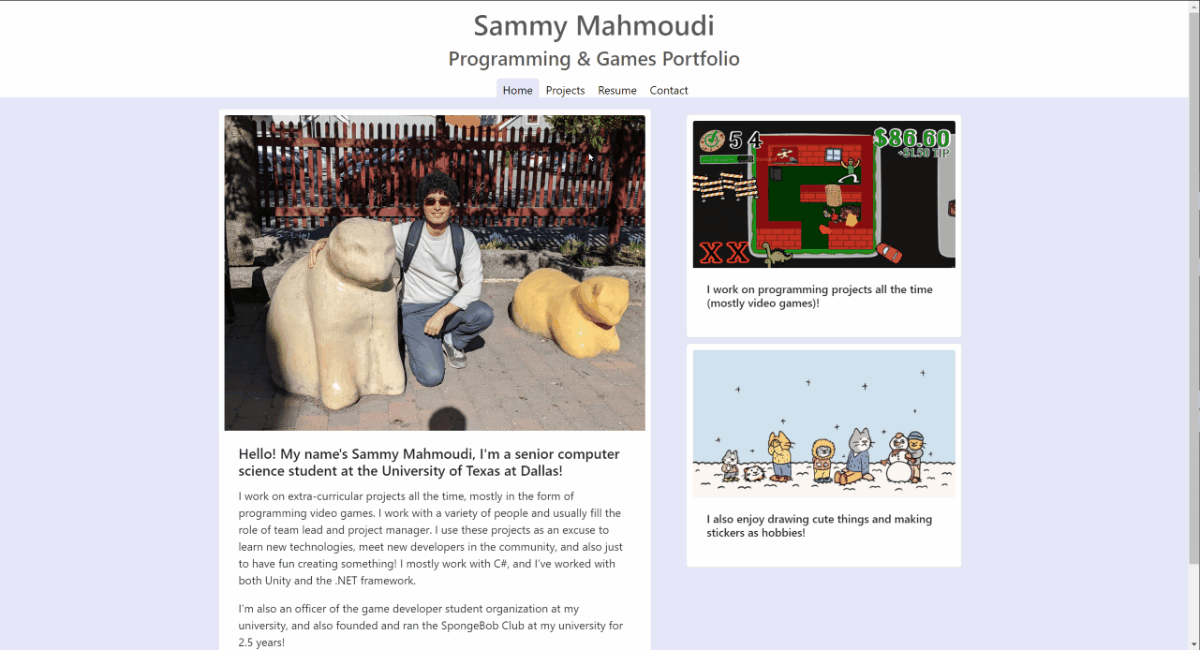
Graphical user interface

Description automatically generated Why isn’t the white box shrinking to fit the screen? (Start 30 minute googling adventure…)

# (12/27/22) Blazorise Animations

Blazorise animations are finicky AND THERE ARE NO GODDAMN FORUM POSTS ANYWHERE AND THE DOCUMENTATION IS VAGUE!!

Apparently I can't activate the same animation on a page more than once without unrendering the component and re-rendering it? For my cool slide animation effect I'm having to put an animator component on each page instead of just a single one on the main page that re-plays when the page is changed. So ugly...



# (12/28/22) WHERE ARE MY SHORTCUTS??

Just realized that many of the Visual Studio C# shortcuts don’t work in razor files. I can’t do CTRL+. to fix issues, imports don’t add automatically as I type, CTRL+. to refactor code into a separate method doesn’t work, AI autocomplete doesn’t work.

# (12/28/22) Compile errors don’t show in visual studio error window until I open the problematic file

It’s supposed to show all errors in all files in the solution… WHAT?

# (12/29/22) Ohhh, there is a razor formatting function in Visual Studio

It doesn’t seem to work on save, but manually applying formatting to the document via CTRL + K D formats! (not super well, but good enough! Trying to be more positive in here because I am actually enjoying working in Blazor)

# (12/29/22) Didn’t host in Azure, hosted in Netlify

Was originally planning on hosting in Azure, because that’s the one that’s integrated with Visual Studio. However, Azure is dumb! The site is insanely complicated, the pricing tiers are vague (pricing is in approximations, and what are CPU minutes?). Seems like Azure is more designed for hosting services, and not really intended for hosting static websites. The pricing is indicative of this, the service would be free for me but I have to move up to the ~$9.50/month tier to use a custom domain. So… instead I tried hosting in Bill Dang’s recommended service Netlify! It’s super easy to use and is free to use for my needs. It even lets me use a custom domain for free! The only bad thing is that the build automation tools it has doesn’t support building Blazor applications, so I wouldn’t be able to build the site automatically from my Git repo. I could build it on github via github actions, but I couldn’t figure out how to do that… for now I’ll just be publishing manually, which isn’t that much work.

# (1/3/22) Added dark mode switch

Added custom themes for light mode and dark mode! There’s a system in Blazorise for switching themes on runtime, so utilized that. Overwrote the css of some of the built-in blazor components (which don’t have easily-visible class names) by checking the class names in Chrome’s inspect element. Needed to set my custom css file to load after the Blazor one so my changes overwrote any Blazor-defined properties. I have a global variable that maintains the dark mode state, which is used by some components that need specific styling, like the tabs which need to match the page background only when its associated page matches the active page.