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System Description

The Online Gallery responsive web app is an app designed to provide a space for artists to hold online exhibitions and for the general public to be able to see these artworks.

More details on the Online Gallery in the project proposal.

The system was built using HTML, CSS and JavaScript. It includes responsive features such as scaling with screen size, hover animations, and feature change depending on screen size.

Challenges

Vue

When attempting to use Vue, some instructions are unclear which caused some problems in setting up Vue. In addition to that, a majority of the project is already made without Vue, and moving the project from the current files to Vue will be too complicated.

Deviations from Proposal

Features Changed

1. The website design has been changed into a slightly cooler monochromatic tone with a new logo.

Features Removed / Pushed to Next Phase

1. Search Bar – This feature is too complex to complete within the time frame.
2. Registration/Log In – Although the html files for these functions are complete, the complex parts take too long to complete within the time frame.
3. User Profile – As Registration and Log In are not yet applicable, User profile is also pushed to the next phase
4. Hold Exhibition & Upload Images – Except for one sample Exhibition, both Hold Exhibition and Upload Images will be pushed to next phase as Registration and Log In are not yet available.

Coding Concepts

Scaling

This was used in all pages.

The app not only scales to the size of the screen but also changes some features according to the screen size. There are 3 screen sizes available namely PC, Tablet and Mobile Phone. This is especially evident in the homepage as well as the exhibition sample page.

The screen modifications are available at the end of the css file.

Dynamic Log In (Form Input Bindings)

Making use of CSS to make a sleek log in and register page, as well as allowing users to register and log in using three social medias: Facebook, Twitter, and Google. Users are also able to switch between both pages. Even if logging in is not yet an option.

The feature is available at 'Online Gallery Log In.html', 'Online Gallery Register.html', and the css file under form.

Hover Animations (Transition)

Almost all buttons have hover animation, and clickable texts also have hover animations. Although it's accessible in all screen sizes, but hover is only noticeable on PC. It makes use of css' animations such as transition, resize, and hover color.

The feature is available in css under button and links.

Hamburger Menu (Event Handling)

Using the Hamburger Menu, the navigation bar is moved from the top of the screen on PC to hidden on tab or mobile and accessible through the hamburger menu. It makes use of js to add 'active' to a class and css in order to animate.

The feature is available in the js file, and in the css file under hamburger-menu.

Reflection

As I end up not using Vue at all, the above features are a bit harder to implement and mainly uses js and css to accomplish. I find that I can't fully complete a website with the given time with my current skills. Perhaps with more time and understanding on the subject matter I will be able to incorporate Vue and complete the website.