CIS4911 - Senior Project, 2018, Spring

BreazeHome 4.0 - Development Resources

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Current System

- Content: Student Orientation, communication, non-code participation and code contributions.
- Design: A top-down start-to-finish experience.
- Features: Image scaling and modal display. Dynamically generated breadcrumb links, progress tracker for orientation.

Problem

- Students familiarizing themselves with the project have a valuable asset in the wiki.
- However, poor information structure and formatting, difficult navigation and information overload drastically impairs the project wiki’s ability to function as a student resource.

Solution

- Redesign the wiki into a top-down experience with a clear path through all of the relevant information.
- Fill in the gaps in the wiki’s content
- Modify the wikijs frontend framework such that information is easier to process.

Requirements

- Create sorted hierarchy of pages.
- Correct shortcomings in information display format.
- Give Students a clear path to survey vital project information and procedure.
- Ensure content of wiki is comprehensive of the start-to-finish experience for developers on this project.

System Design and Implementation

- Version control: git
- Frontend: JavaScript, jQuery, Html, CSS
- Backend: Nodejs, Django, python, Wikis

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Start-To-End Experience

Comprehensive Resource

Wiki Frontend Functionality

Screenshots

Verification and Object Design

Progress Tracker

Image Scaling and Modal Popup

Navigation Breadcrumbs

The limited lifespan of developers working on the project will incur a shorter training process as to devote more time to feature development.

The Wiki now serves as a more legible, organized and comprehensible resource for developers.

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