Austin Walter
Scott Rostron
Onan Chew

Project Owner: Dr. Warren-Seeger

University of South Carolina Aiken

Capstone Weekly Status Update 1

Modular Platform Design in Web Development

September 29, 2023.

General Overview:

This week (9/25/23 - 10/1/23) our group met with Dr. Warren-Seeger on Wednesday, September 27, to cover the following material: Joining Project Platforms, Reviewed and Modified Wireframes for the home page, defined user interactions, and established the next meeting time/concrete due dates. The Project is moving smoothly. We have finished the UML sequence diagram (User Interaction with the system), Home Page Wireframes, and Style Specifications. Currently, Scott is making progress towards finishing the Figma designs, which will show the high-level UX design, establishing commonly used components/elements, final color pallet/fonts, and final design, which will be used and implemented when coding the page in React. While Onan is working on the DB schema, and DM which will provide structure to the Article, and User DBMS.

Results Of Last Meeting:

<u>Project Outlook and Overview:</u>

- Purpose
    - Intended for students who are taking her Introduction to English course.
    - Students write an article on a topic chosen by random selection.
    - The topics are generally "Spooky" or "Mysterious" (Provides guidance to Stylization)
- Problems with Old Page
    - Typically, students wrote in a Word document provided by Dr. Warren-Seeger.
        - Students often forgot or left out required portions of the assignment.
            - No data verification.
        - Dr. Warren-Seeger would have to type the content of the doc into the page manually using bare-bones HTML.

<u>User Interaction:</u>

- (*See Figure 1*) & (*Description 1*)

Pages/Features:

- Pages:
  - Home, About, how to use (Citate), Article – *Dynamic,* Search, Admin Panel, Profile.
    - *Dynamic* - Auto generative page that uses article ID to fill in format with article information pulled from database, limits numbers of pages, and simplifies formatting.
- Forum:
  - Allow submitting their article content directly to the webpage for Dr. Warren-Seeger's approval.
    - The forum enables Data verification, auto-generative article formatting, and student interaction with the page to increase positive morale.
- Forum Details:
  - Sections that include Title, Author, Auto-Generated Date, Body Section, Tag Section, and Works Cited section.
    - Body Section will allow Mark Down to add Headings, italics, bold, underline, and so on. Limited Data verification.
- Forum Submitting:
  - After submitting the article will await approval/grading by the professor.
- Student Verification:
  - Students will be verified using a class ID generated by the admin (The professor) with a designated expiration time to join a "class."
- Upload Notification:
  - After Uploading/Approving all student articles professor can click the "Notify" button to notify subscribed users with an auto-generative newsletter.

Discussion Into Design Aspects

- Design Revolving around the Mysterious Aspects of the Page
- Use of Neo-Brutalism style. *(See Figure 2)*
- Revision and Approval of Wire Frames. (*See Figure 3*)
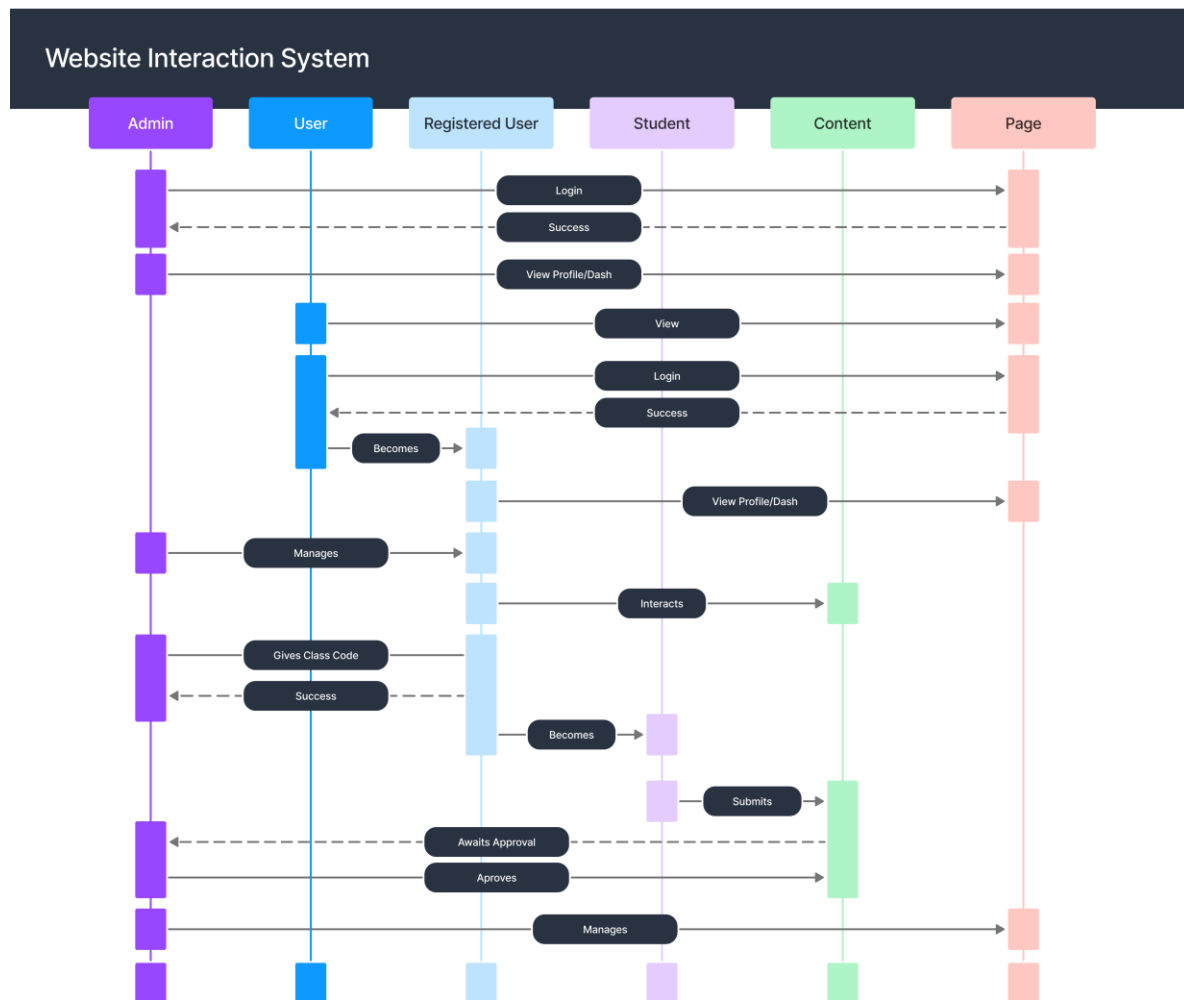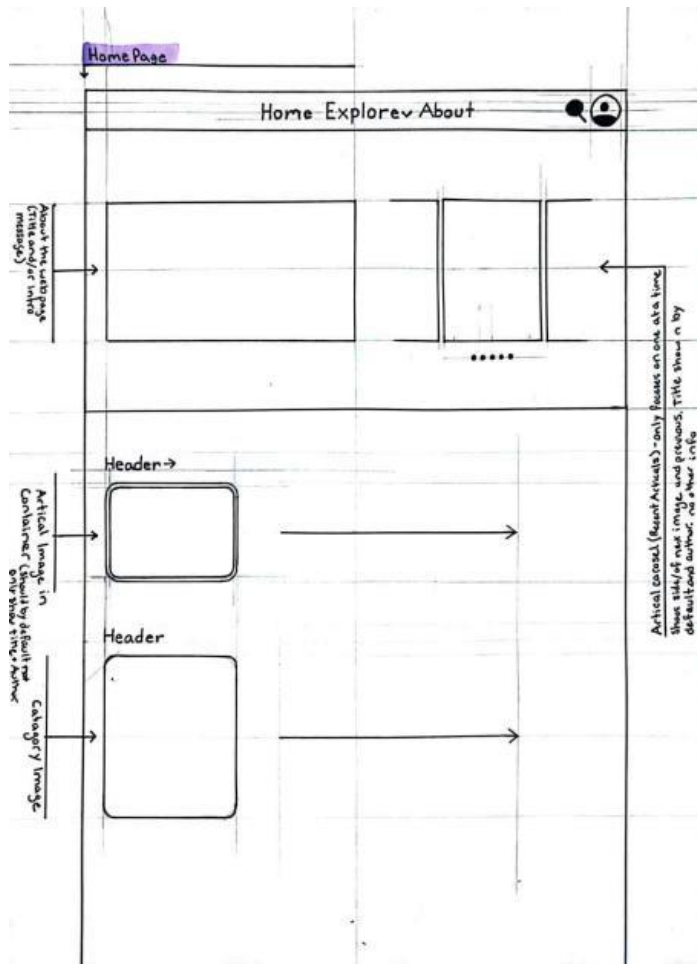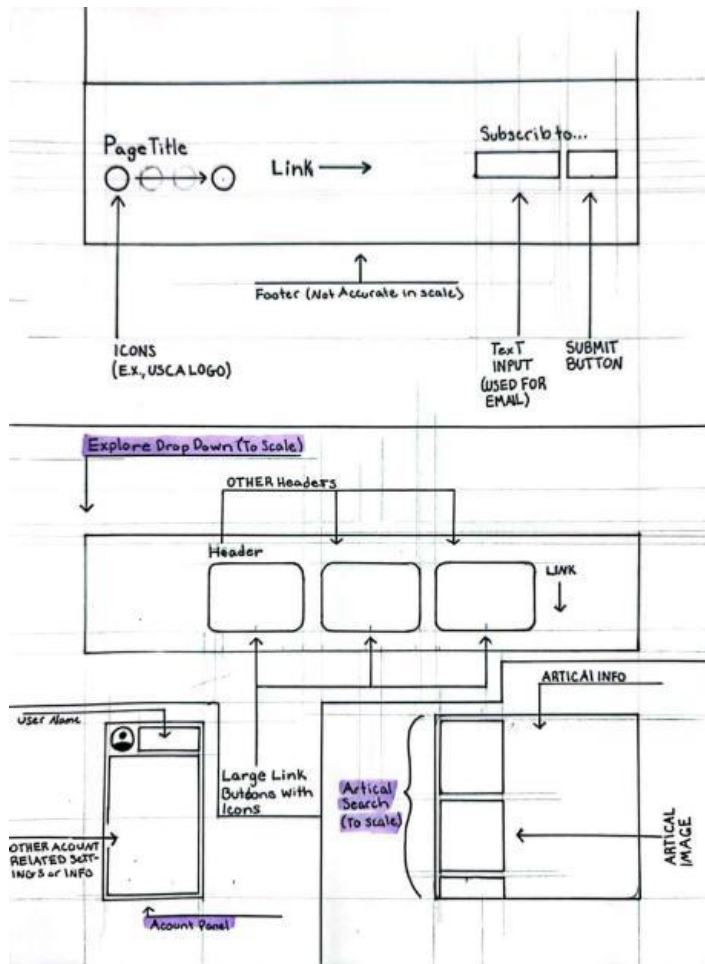
Figures:

Figure 1:

Figure 2:

Neo-Brutalism Trend Cheat Sheet

	Guidelines	Examples
Color	**Black** — Strokes / Shadows Vibrant colors — High Saturation Vintage and muted colors — Low saturation / Nostalgic feeling Background color is allowed — Other than white and gray No gradient	Some Neo-Brutalism Colors! (color swatches)
Components	Raw, unrefined shapes Spaces are defined with — Lines / Cards Drop shadow — Has both X and Y / Black or darker colors / Opacity 100% / No blur Decorative components — Moving banners / Images with background / Illustrations	Components in Neo-Brutalism (shapes) This Component shadows color = #000000 X = 4 Y = 4 Blur = 0 Opacity = 100%
Typography	Large font sizes — Headings / As decoration Experimental — Line hight / Letter spacing Sans-serif fonts examples — Lexend Mega / Public Sans / Mabry Pro / Archivo Black / Bebas Kai	Some Neo-Brutalism Fonts! Lexend Mega – Bold Public Sans - Bold Mabry Pro - Bold Archivo - Bold PUBLIC SANS - BOLD @sepidy - sepidy.com

Figure 3:

Home Explore∨ About

About this web page
(Title and/or intro
message)

Artical carosel (Recent Articals) - only Recuses on one at a time.
Shows title/of next image and previous, Title shown in by
default and author. no other info

Header→

Artical Image in
Container (Should by default not
only show title + Author

Header

Category Image

Descriptions:

Description 1:

ACTORS:
- Admin (Teacher)
- Un Registered User
- Registered User
- Student User

FUNCTIONALITIES

- Login In
- Log Out
- Register
- Join Class
- Manage Posts (Add / Edit / Delete)
- Manage Users (Add / Edit / Delete)
- View Public Page Content
- Submit Assignment / Post
- Content Interaction (Notify)
- Edit Own Profile

INTERACTIONS

Admin:

- Login In
- Log Out
- Edit Own Profile
- Manage Content
- Manage Users
- Manage Search Engine / SEO
- View Public Page Content
- View Private Content
- View Public Dashboard (Profile)
- View Admin Dashboard • Content Interaction (Like / Comment / Notify)

Student User

- Login In
- Log Out
- Edit Own Profile
- View Public Dashboard (Profile)
- View Public Page Content
- Submit Assignment (Post)
- Content Interaction (Notify)

Un Registered User

- Login
- Register
- View Public Content

Registered User

- Login In
- Log Out
- Edit Own Profile

- View Public Dashboard (Profile)
- View Public Page Content
- Content Interaction (Notify)

Relationships and Dependencies

Admin

- An Admin must login before managing users (Edit/Add/Delete)
- An Admin must login before managing Posts/Content

Student

- A Registered User must use a class-id generated by an admin to become a student
- A Student must login before they can submit an assignment

All Users

- All Users must be logged in before they can view their profile dashboard
- All Users must be logged in before they can like comment and enable notifications.