



Lakeshore Misfits

Website Color Generator App

Midterm Presentation



01

Our Team

Meet the team members!

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Our Team

Our CIS641 Project Team is comprised of:

Khiem Nguyen

Selena Cade

Munmi Thakuria

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Team Passion

Our passions were the inspiration our project:

Khiem Nguyen - Art, Illustration, and Science

Selena Cade - Web Accessibility & Usability

Munmi Thakuria - Application Design

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Project Overview

Our Application Goals

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Our Project

The Website Color Generator App is a web design tool intended to help developer generate and select aesthetically pleasing colors for their website that meets either AA or AAA WCAG Web Accessibility Guidelines.

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What sets us apart?

Our App

- + Generate harmonious colors
- + Apply colors to a mock layout
- + **Checks and Accounts for Web Accessibility**
- + **One-Click Color Adjustment Process**
- + **User Friendly and Simple Layout**

Others

- + Generate harmonious colors
- + Apply colors to a mock layout
- **Ignores Web Accessibility**
- **No (or Manual) Color Adjustments**
- **Not User Friendly**



03

Application Features



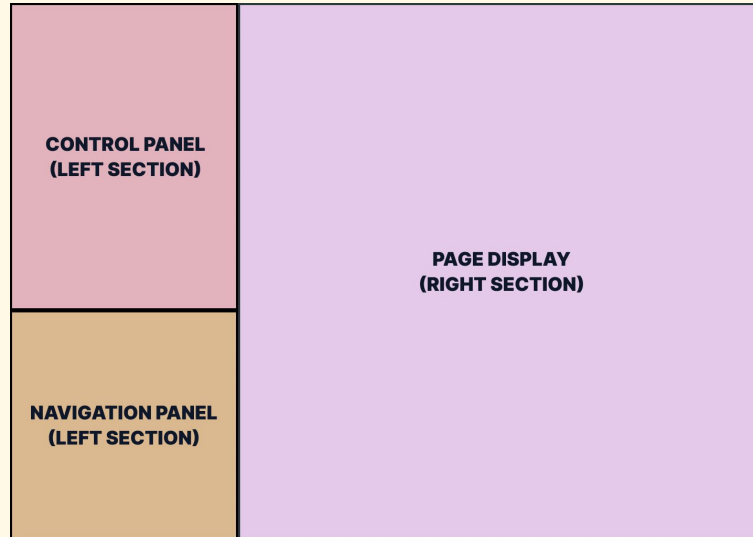
3A

General Layout

Application Layout Structure

Layout

- **Two Section Layout**
- **Left/Top Section**
 - Control Panel
 - Navigation Panel
- **Right/Bottom Section**
 - Page Display Section





Control Panel

Control Panel Features

Control Panel Features

Adjust

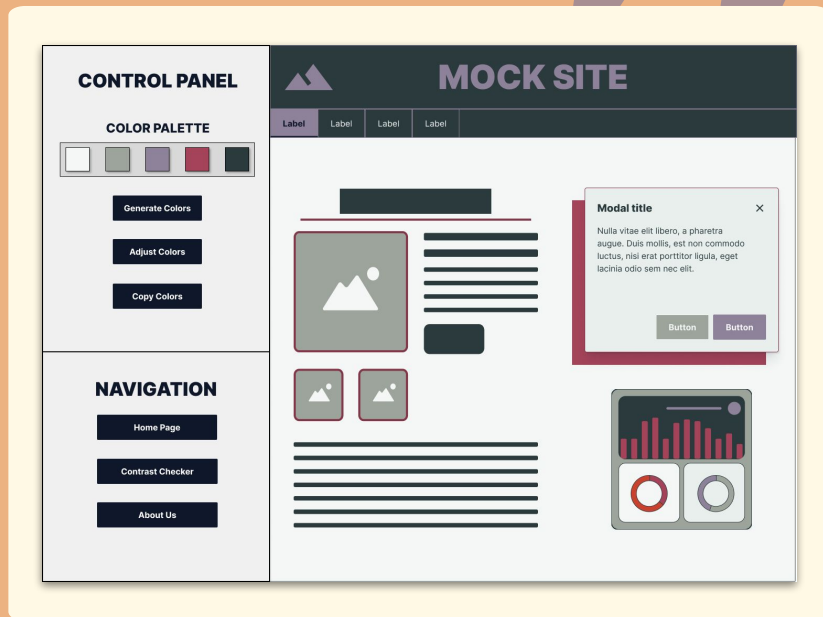
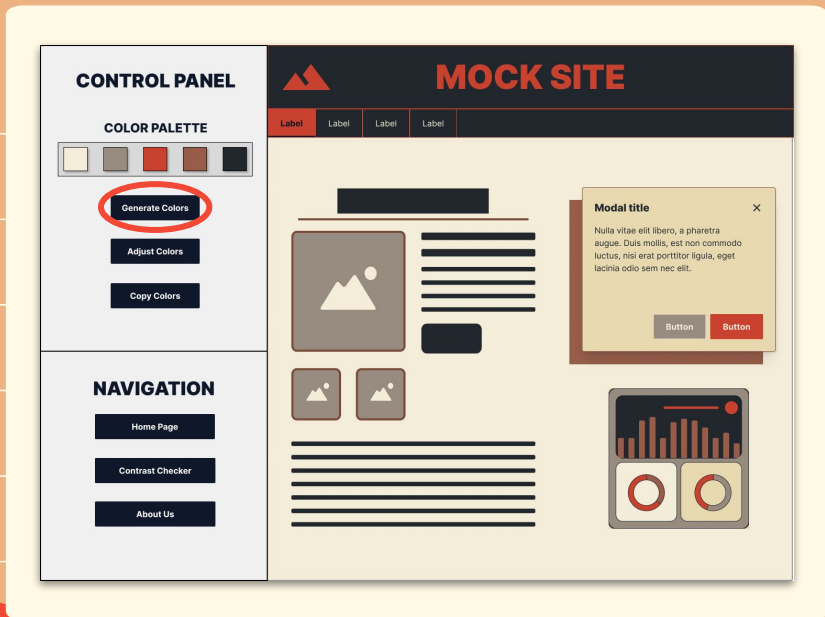
Apply Value, Light, and
Saturation Shifts in
colors to meet
accessibility guidelines

Generate

Randomly Generate a
New Palette of five (5)
Harmonious Colors

Copy

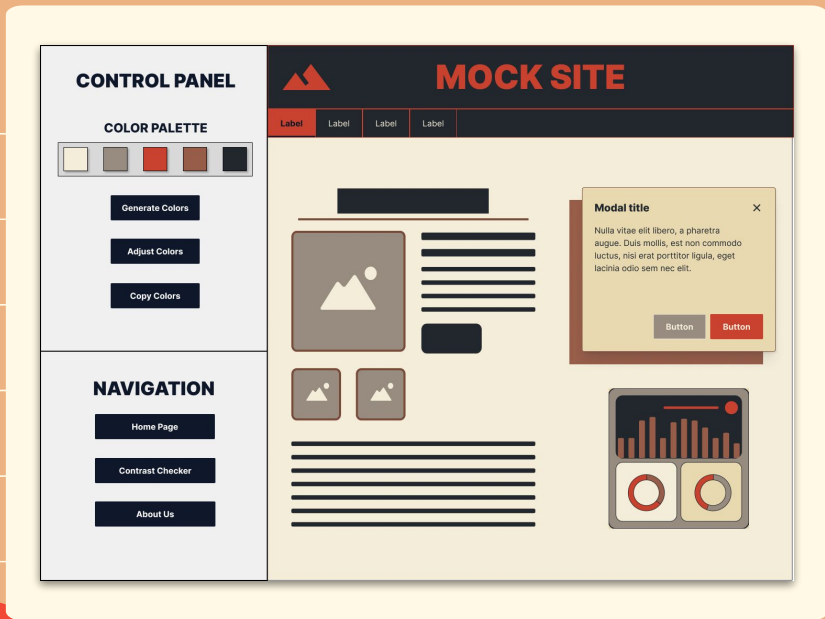
Copies text of color
values to apply to
personal project





Navigation & Pages

Navigational Panel and Pages
Features



Mock Site Page

Elements on the mock webpage dynamically applies the colors of the generated palette.

Default Home Page!





Contrast Checker Page

Generate a card collection of paired colors combination in the palette and display their WCAG Accessibility Ratings



CONTROL PANEL

COLOR PALETTE

Generate Colors

Adjust Colors

Copy Colors

NAVIGATION

Home Page

Contrast Checker

About Us

CONTRAST CHECKER

Font-Size: 12, Reg
Font-Size: 12, Bold
Font-Size: 14, Reg
Font-Size: 14, Bold

Foreground: #XXXXXX
Background: #XXXXXX
AA: Pass
AA-Large: Pass
AAA: Fail
AAA-Large: Pass

Font-Size: 12, Reg
Font-Size: 12, Bold
Font-Size: 14, Reg
Font-Size: 14, Bold

Foreground: #XXXXXX
Background: #XXXXXX
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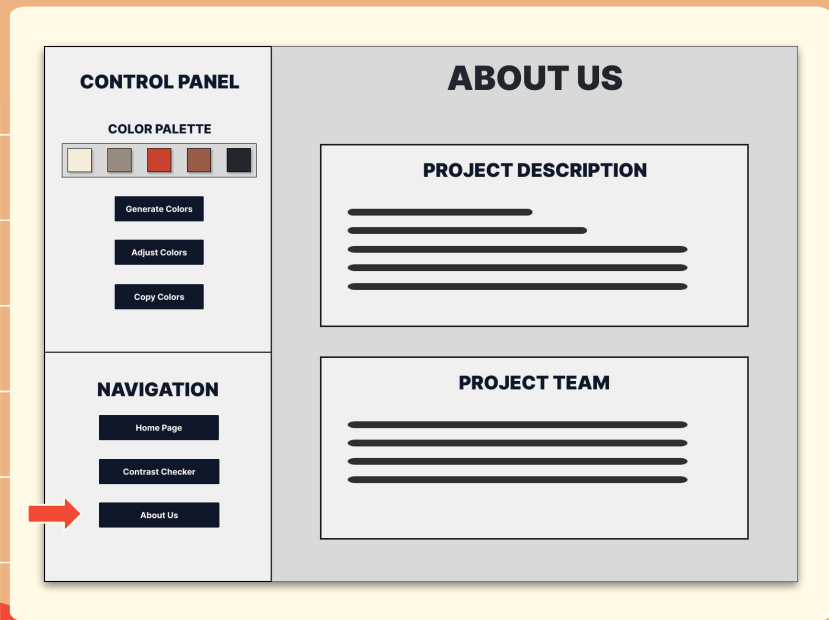
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Foreground: #XXXXXX
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Foreground: #XXXXXX
Background: #XXXXXX
AA: Fail
AA-Large: Fail
AAA: Fail
AAA-Large: Fail





About Us Page

Provides an overview of the project and the team





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Tasks Delegation

Project Responsibilities

Selena

- Project Schedule / Deadlines
- Mock Site Layout
- Contrast Checker Page Layout
- About Page Layout

Khien

- Reqs & Tasks Refinement
- Initial App Setup
- Navigation / Routes
- Color Service
- Integration / Assistance

Munmi

- Colormind API Service
- WebAim Contrast Checker API Service
- User Acceptance Tester
- Integration / Assistance

Note: Team members are not limited to these responsibilities, these are just for the initial setup. Team will be involved w/ all tasks.



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Project Schedule

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Project Schedule

- **Initial Planning and Project Kickoff Started** - 09/13/2023
 - Created system request, repository, proposal, and initial schedule
- **Initial Analysis** - 09/27/2023
- **Initial Design** - Anticipated 10/25/2023 (*After Fall Break*)
- **Initial Implementation / Sprint "1"** - 10/16/2023 (This week!!)
 - Due to short project schedule, **sprint cycle is weekly**
- **Major Timeboxes - Thanksgiving Holiday & Finals Week**
 - **Final Requirements, Analysis & Design Models** - Before Thanksgiving (11/21/2023)
 - **Final Implementations** - Before Thanksgiving (11/21/2023)
 - **Final Presentation** - Before Presentation Date (12/03/2023)
 - **End of PM Responsibilities & Final Deliverables** - Before Finals (12/10/2023)

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Project Start 9/13/2023

CIS641

<https://www.vertex42.com/ExcelTemplates/simple-gantt-chart.html>

Sprint Start: 10/16/2023

Display week: 1

[illegible]

****NOTE: ANYTHING STARTED PRIOR TO 2023-10-16 IS CONSIDERED "SPRINT 0"**



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Extra Info



6A

API / Custom Services

Rest APIs & Custom Services

WebAim Contrast Checker API

Rest API that retrieves GET request of a BG/FG color pair and return JSON object of WCAG Rating Results

Color Mind API

Rest API that retrieves POST request and returns JSON object of colors. Each color is an RGB object.

Color Service

Custom Service that provides properties to adjust or convert color values passed into parameter



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Project Tools & More!

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Project Tools

Here's a list of notable project tools and dependencies to be used for this project and application:

- **GitHub / GitHub Projects** - Version Control / Tasks Management
- **Excel / Gantt Chart** - Project Scheduling
- **Markdown** - Project Documentations
- **React** - Web Application Base
- **Axios** - React Dependency needed to talk to Rest API
- **React Router** - React Dependency to emulate page navigation
- **Bootstrap** - CSS Framework for coherent layout style

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