# Lakeshore Misfits

Website Color Generator App

Midterm Presentation













### **Our Team**

Our CIS641 Project Team is comprised of:

Khiem Nguyen Selena Cade Munmi Thakuria













## **Team Passion**

Our passions were the inspiration our project: **Khiem Nguyen** - Art, Illustration, and Science **Selena Cade** - Web Accessibility & Usability **Munmi Thakuria** - Application Design







# 02 Project Overview

Our Application Goals









# **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.









### 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









**Application Layout Structure** 

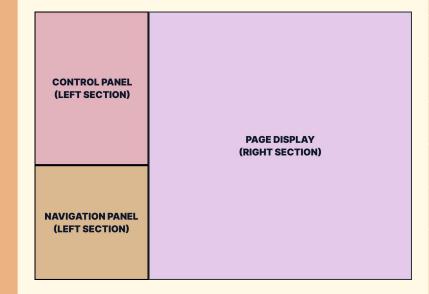






### Layout

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









**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

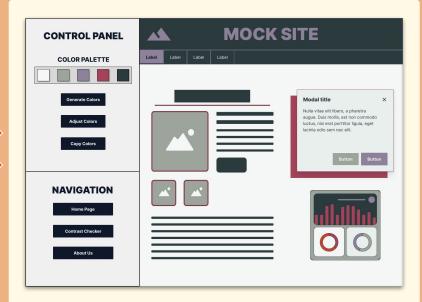
Copies text of color values to apply to personal project













# Navigation 3C & Pages

Navigational Panel and Pages Features













# Mock Site Page

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

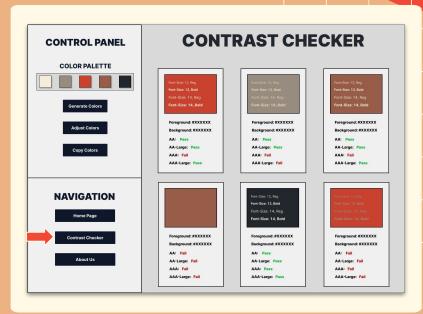
Default Home Page!





# **Contrast Checker Page**

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











CONTROL PANEL	ABOUT US
COLOR PALETTE	
	PROJECT DESCRIPTION
Generate Colors	
Adjust Colors	
Copy Colors	
NAVIGATION	PROJECT TEAM
Home Page	
Contrast Checker	
About Us	

# About Us Page

Provides an overview of the project and the team







# Project Responsibilities





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

### Khiem

- 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.







- Initial Planning and Project Kickoff Started 09/13/2023
  - O 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!!)
  - O 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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#### **Website Color Generator**

**Lakeshore Misfits** 

**CIS641** 

#### SIMPLE GANTT CHART by Vertex42.com

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

TASK	ASSIGNED TO	PROGRESS	SPRINT	START	END
Planning / Analysis / Design	nan-Awten waten and St.		- manusial	20000000	7,199,199
Create & Manage Repository	All	50%	0 - 8	9/13/23	12/10/23
Create & Manage Schedule	All	50%	0 - 8	9/20/23	12/10/23
Write Proposal	All	100%	0	9/20/23	9/27/23
Requirements Specification & Refinement	All	50%	0 - 6	10/13/23	11/21/23
Sprint Tasks Planning & Refinement	All	5%	1 - 7	10/16/23	11/21/23
Analysis & Refinement	All	40%	0 - 6	9/27/23	11/21/23
Design & Refinement	All	0%	1 - 6	10/25/23	11/21/23
UI Mockup Design	All	100%	0 & 1	10/12/23	10/18/23
Implementation					
Setup and Kickoff Project Application	Khiem	0%	1	10/18/23	10/19/23
Setup Initial Routes, Layout, and Pages	Khiem	0%	1	10/20/23	10/22/23
Setup Color Service	Khiem	0%	2	10/23/23	10/29/23
Create API Services	Munmi	0%	2	10/23/23	10/29/23
Populate Page Layouts	Selena	0%	2 & 3	10/23/23	11/5/23
Pass Color Data from Parent to Child Components	All	0%	3 & 4	10/30/23	11/12/23
Integrate Service Logic To All Components	All	0%	3 & 4	10/30/23	11/12/23
Acceptance Testing & Major Bug Fixes	All	0%	4 & 5	11/6/23	11/19/23
Timebox & Wrap-Up	All	0%	6 & 7	11/20/23	11/21/23
Major Deliverables					
Create & Prepare Midterm Presentation	All	100%	0 - 1	10/13/23	10/18/23
Create & Prepare Final Presentation	All	0%	7	11/27/23	12/3/23
Prepare Final Deliverables	All	0%		10/30/23	12/3/23
Review and Finalize Deliverables	All	0%	7 - 8	11/27/23	12/10/23
Timebox & Submit Final Deliverables	All	0%	8	12/4/23	12/10/23
**NOTE: ANYTHING STARTED PRIOR TO 2023-1	0-16 IS CONSIDERE	D "SPRINT 0"			

Project Start 9/13/2023

Sprint Start: 10/16/2023

Display week: 1

Sprint 1	Sprint 2	Sprint 3	Sprint 4	Sprint 5	Sprint 6	Sprint 7	Sprint 8	Sprint 9
Oct 16, 2023	Oct 23, 2023	Oct 30, 2023	Nov 6, 2023	Nov 13, 2023	Nov 20, 2023	Nov 27, 2023	Dec 4, 2023	Dec 11, 2023
M T W T F S S	23 24 25 26 27 28 29 M T W T F S S II Break	30 31 1 2 3 4 5 M T W T F S S	6 7 8 9 10 11 12 M T W T F S S	13 14 15 16 17 18 19 M T W T F S S	20 21 22 23 24 25 26 M T W T F S S Thanksgiving	27 28 29 30 1 2 3 M T W T F S S	M T W T F S S	11 12 13 14 15 16 17 M T W T F S S Finals Week













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











# **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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