
Project Plan: CMPT 276

Group Root 9 • 11.01.2023

Overview

Presentation Order:

- Project Conception
- Project Details
- Project Documentation

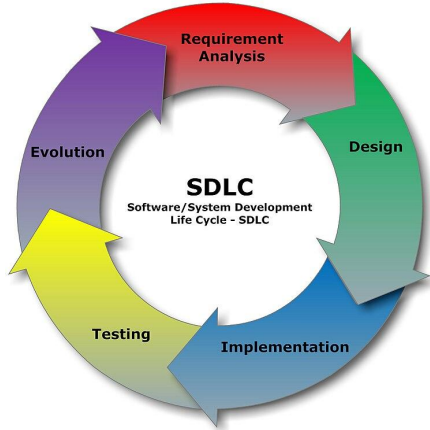
Project Plan

Generating color palettes from images:

- Generate colour palettes from an uploaded image
 - Export individual colours, entire palettes, or the whole board.
 - Create collages with images and their corresponding palettes
 - Adding generated colour palettes to a board
-

SDLC and Tech Stack

Agile - Kanban



- Kanban allows for transparency and agility in development process
- Using Notion to visualize a Kanban board, clearly separating tasks.
- Gives efficient monitoring of tasks, and clear management and task progression.

Our Tech Stack

- **HTML:** Basic structuring for web applications
 - **CSS:** Engaging and responsive user interface
 - **Javascript:** Interactivity and functionality for dynamic content updates
 - **React:** Encapsulated components which form complex systems
-



API Features

Cloudinary

- Image upload
- Image optimization
- Content Delivery Network

Imagga Color Extraction

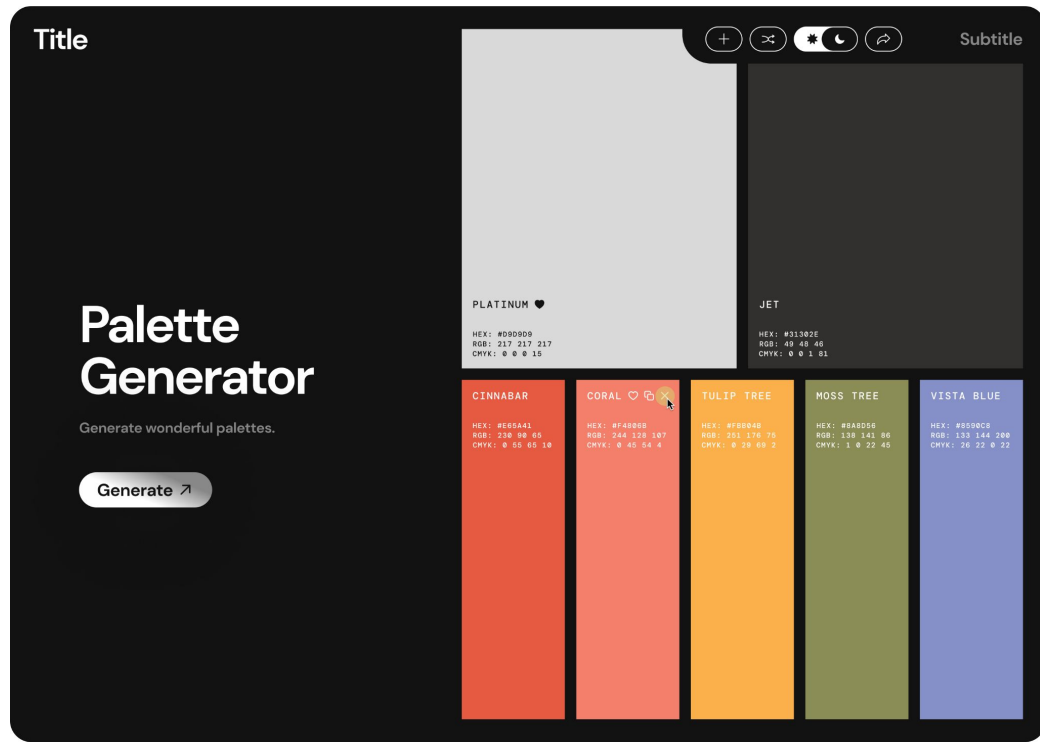
- Main color identification
- Color tagging
- Palette Refinement

Colormind

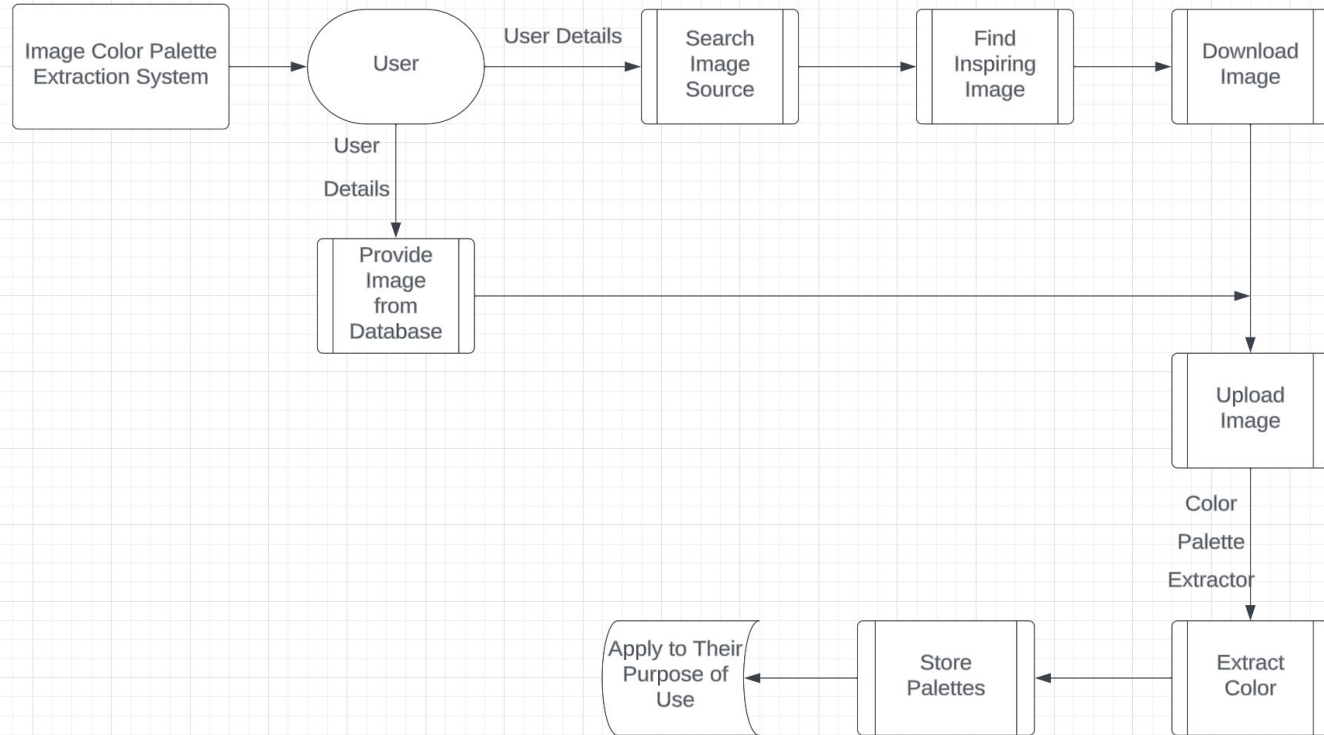
- Palette Generation
 - Palette Customization
 - Color Matching
-



Wireframe and Prototypes



Data Flow Diagram



Credits + Links

Group Members:

Stefan Pricope (scp10@sfu.ca)

Taiga Okuma (toa12@sfu.ca)

Cindy Xiao (yxa143@sfu.ca)

Anna Rusinova (ara103@sfu.ca)

Github Repository: [Linked Here](#)
