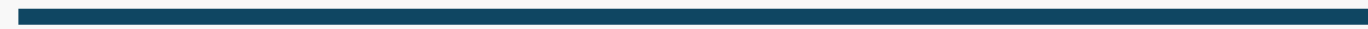


# *Project Overview*

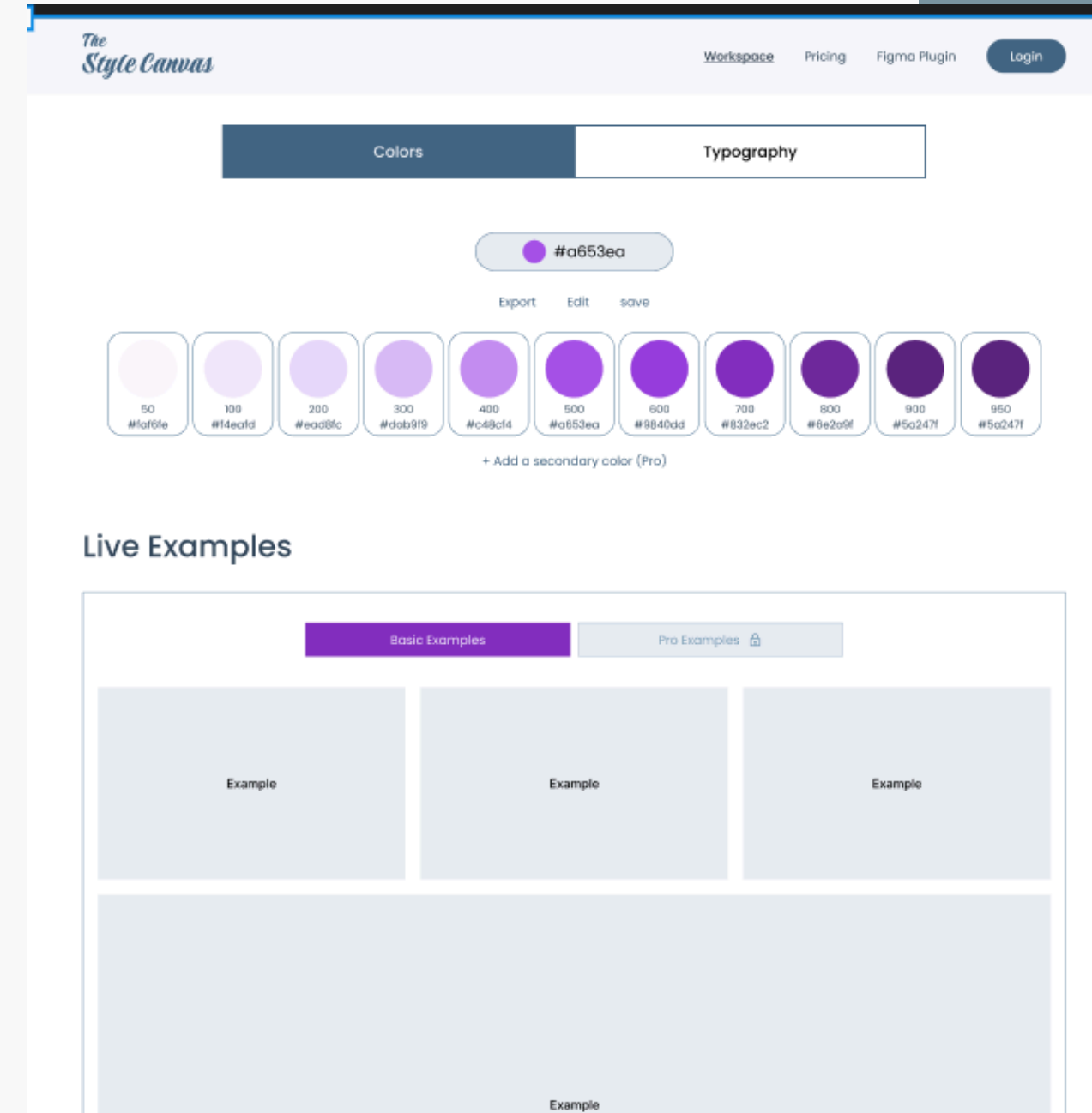


This project is a web-based platform designed to help UI/UX designers create, customize, and manage color palettes and typography. It features real-time previews and seamless Figma integration, making it suitable for both free and pro users.



***UI/UX***

# Initial UI ( Sketch + Wireframe)



# Final UI

The Style Canvas

Workspace Figma Plugin Pricing **Pro User**

## Design System Made Simple

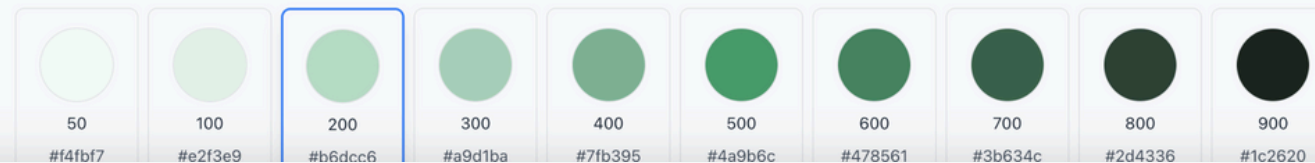
Create, manage, and export beautiful color palettes and typography systems. Your design workflow, simplified.

Start Creating →

View Pricing

#b6dcc6

Random Export Edit Save



The Style Canvas

Workspace Figma Plugin Pricing **Pro User**

## Simple, Transparent Pricing

Choose the perfect plan for your design needs. Upgrade anytime to unlock premium features and take your designs to the next level.

Free

**\$0** /month

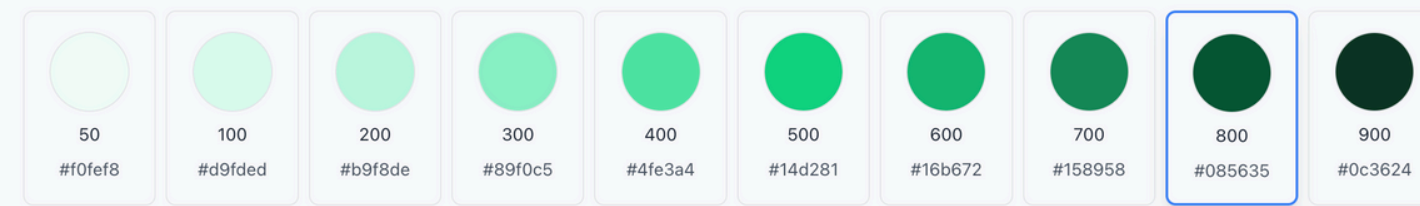
- ✓ Create unlimited color palettes
- ✓ Basic typography settings
- ✓ Live preview system
- ✓ Export in basic formats

Get Started

Pro

**\$5** /month

- ✓ Everything in Free, plus:
- ✓ Save unlimited palettes
- ✓ Advanced typography controls
- ✓ Figma plugin integration
- ✓ Custom color variations
- ✓ Priority support



+ Add a secondary color

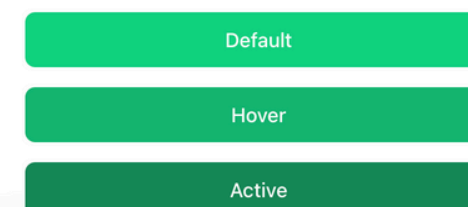
### Live Examples

See how your colors look in real-time with these example components

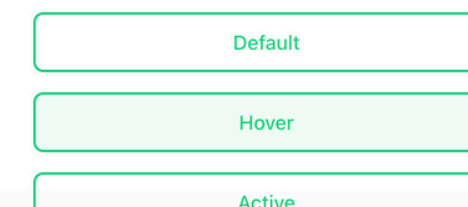
Basic Examples

Pro Examples

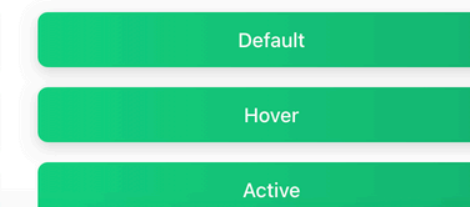
Buttons · Flat



Buttons · Outline



Buttons · Bezel



# UI/UX

## Typography Choice: Poppins

- Modern and Clean: Poppins offers a modern and geometric style, making it suitable for a clean and professional look in a design tool.
- High Readability: Its clear letterforms ensure easy reading at any size, ideal for both headings and body text in UI components.
- Versatility: The wide range of font weights allows for creating distinct visual hierarchies, enhancing the user interface's clarity.



# UI/UX

## Color Choice: Shades and Tints of #597E9F

- Professional and Trustworthy: The base color, #597E9F, is a muted blue-gray, conveying professionalism and reliability.
- Cohesive Design: The palette's smooth transition from light to dark ensures a consistent look, suitable for highlighting UI elements.
- Focus-Oriented: The neutral tones help maintain user focus on design tasks, avoiding distractions from overly vibrant colors.



# UI/UX

## Responsive Design

- Large Screens (xl up to 1280px): The layout uses max-w-screen-xl to limit content width, ensuring readability and a structured appearance on widescreen displays.
- Medium Screens (lg to md, 1024px - 768px): Content reflows for medium-sized screens, with components adjusting their size and spacing to maintain balance and accessibility.
- Small Screens (sm to md, below 768px): The layout shifts to a single-column structure for mobile devices, with touch-friendly elements and optimized font sizes for easy readability.



# *Key Features*

# Color Creation

- Automatically generate color shades from 50 to 900 based on a base color.
- Real-time updates are applied to live UI element previews.

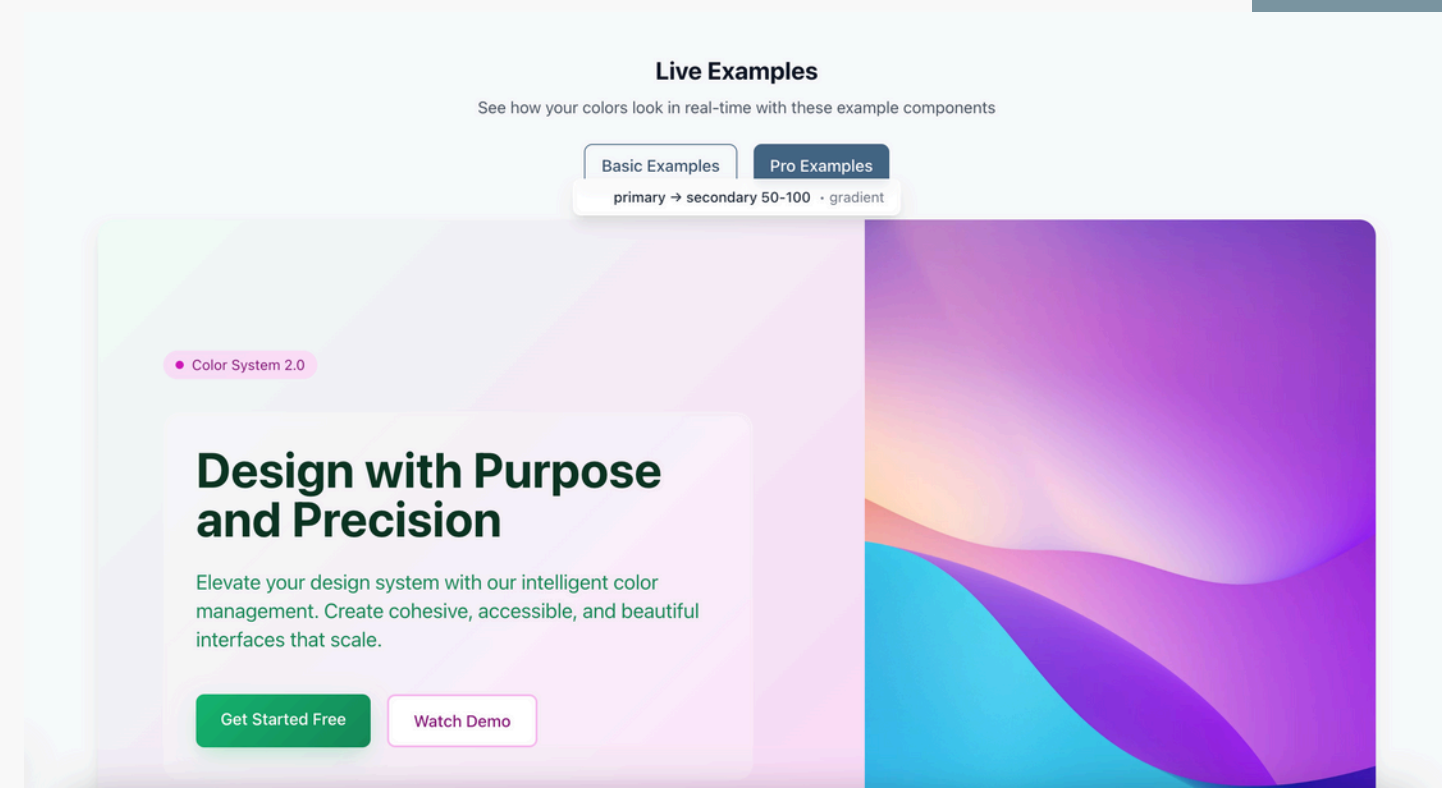
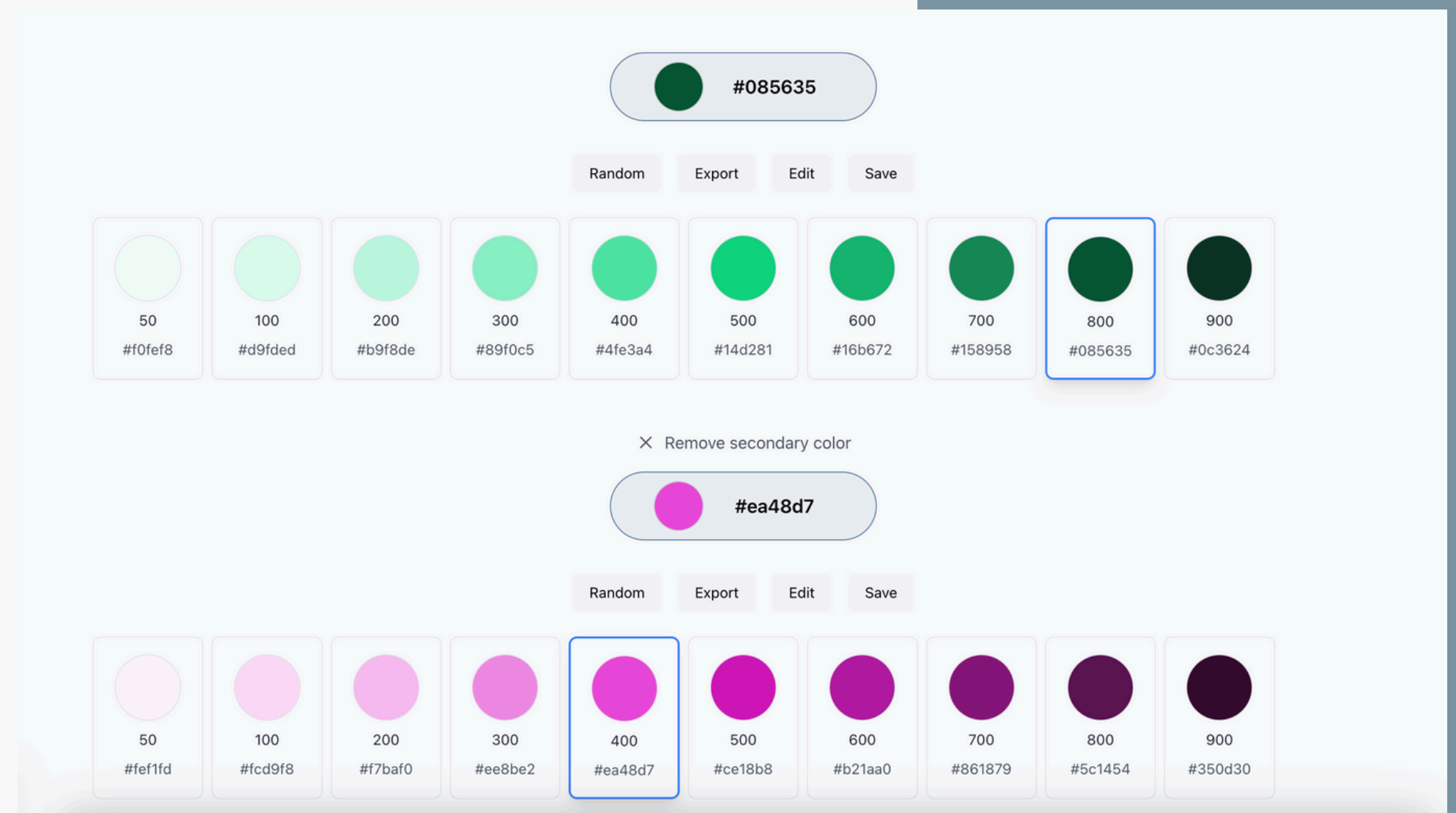
The screenshot displays a user interface for creating a color palette. At the top, there are two tabs: "Colors" (selected) and "Typography". Below the tabs, a base color is shown as a purple circle with the hex code #762f61. A row of buttons includes "Random", "Export", "Done", and "Save". The main area features a horizontal row of ten color swatches, each with a number (50 to 900) and a hex code. The swatch for 600 (#762f61) is highlighted with a blue border. Below the swatches is a "+ Add a secondary color" button. The bottom section, titled "Live Examples", shows three columns of button styles: "Buttons - Flat", "Buttons - Outline", and "Buttons - Bezel". Each column displays four button states: "Default", "Hover", "Active", and "Disabled", demonstrating how the selected color palette is applied to different UI components.

Shade	Hex Code
50	#fbf3f9
100	#f4e1ef
200	#e9c8df
300	#d6a3c7
400	#bb77a7
500	#a44187
600	#762f61
700	#69355a
800	#48283f
900	#291a24



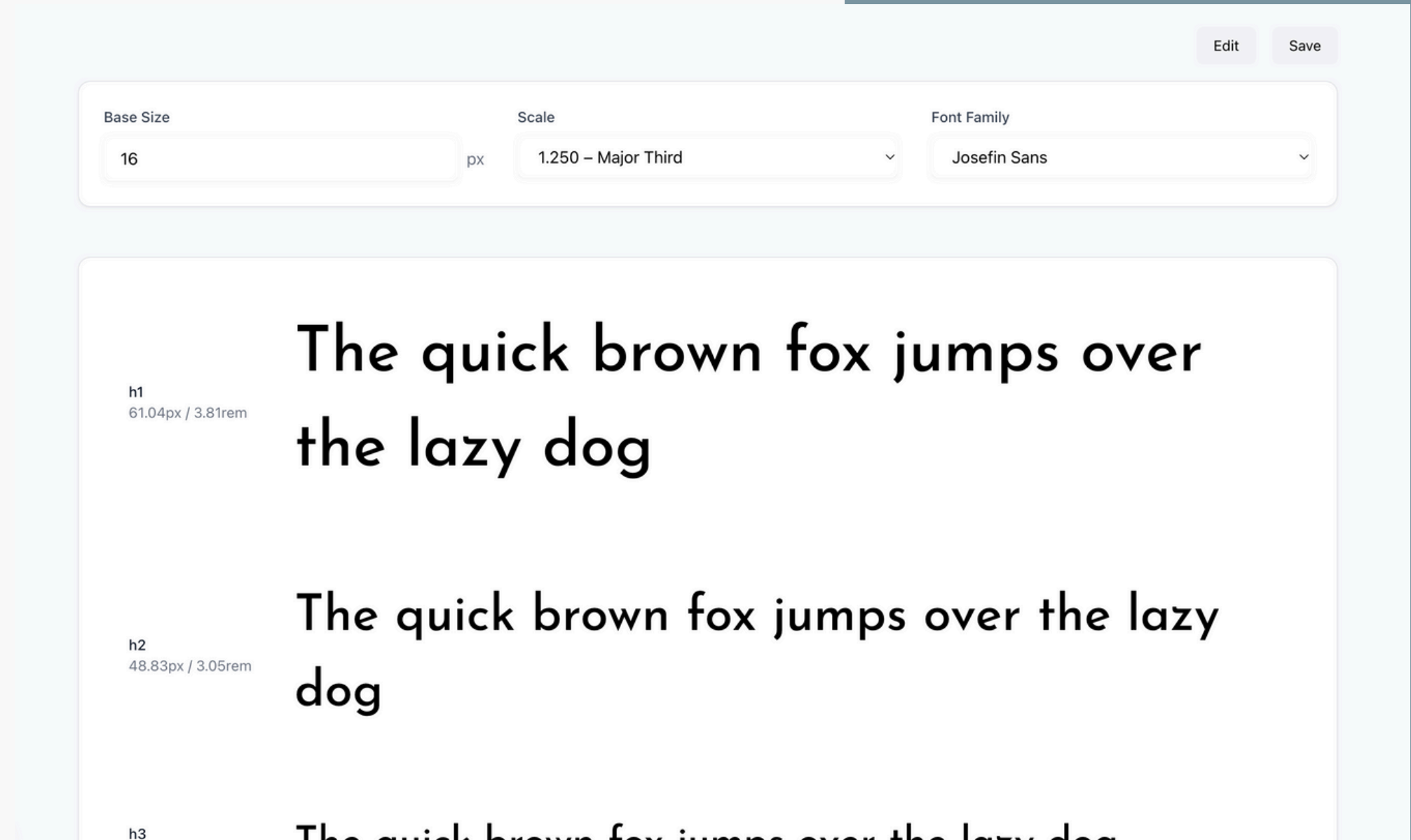
# Color Creation

Pro users can edit individual shades, save palettes, and export them for use in Figma. Pro users can add a secondary Color, and has access to pro examples



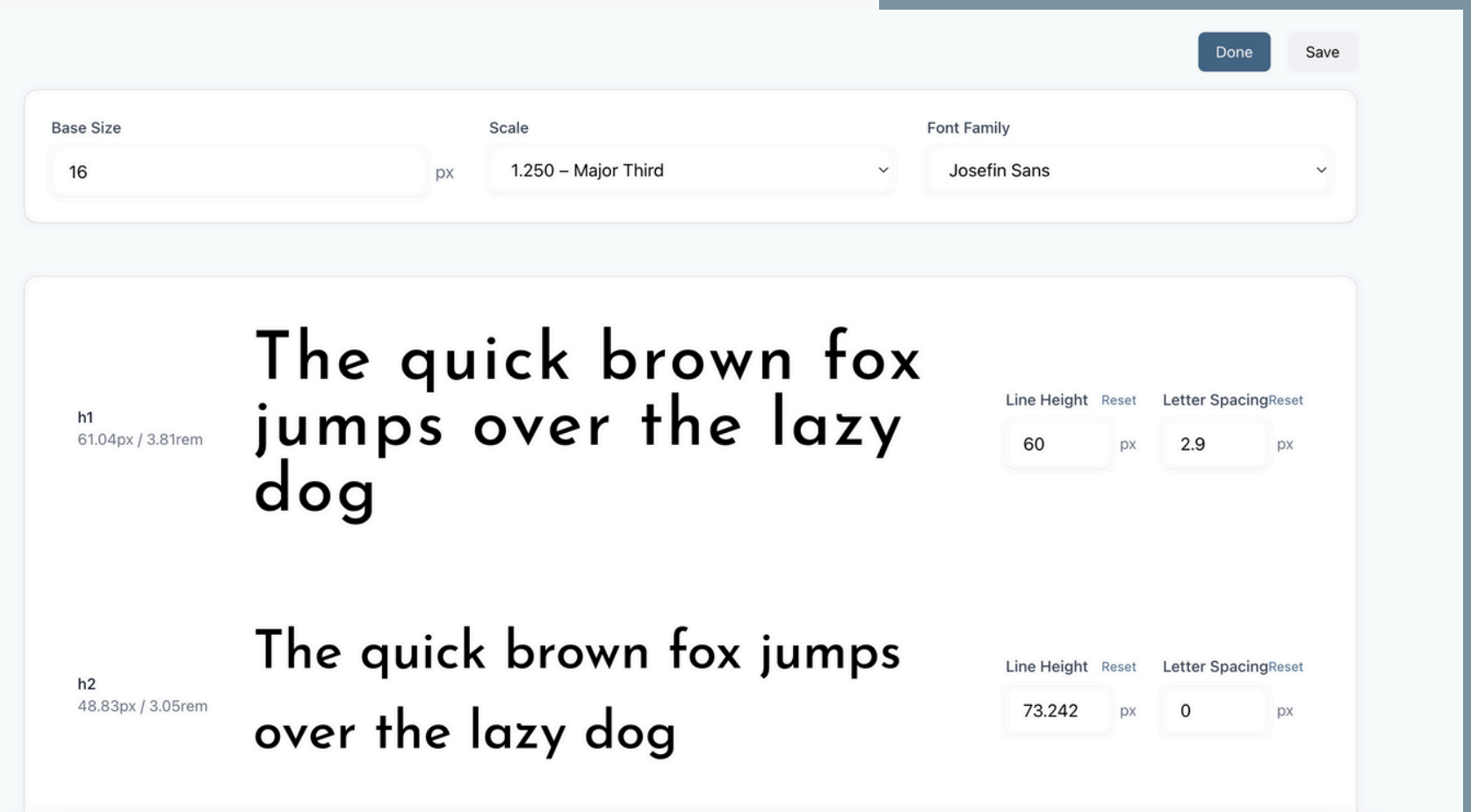
# Typography Management

- Users can choose base font-size, scaling option and font-family, and they will be able to see a quick preview of that font.



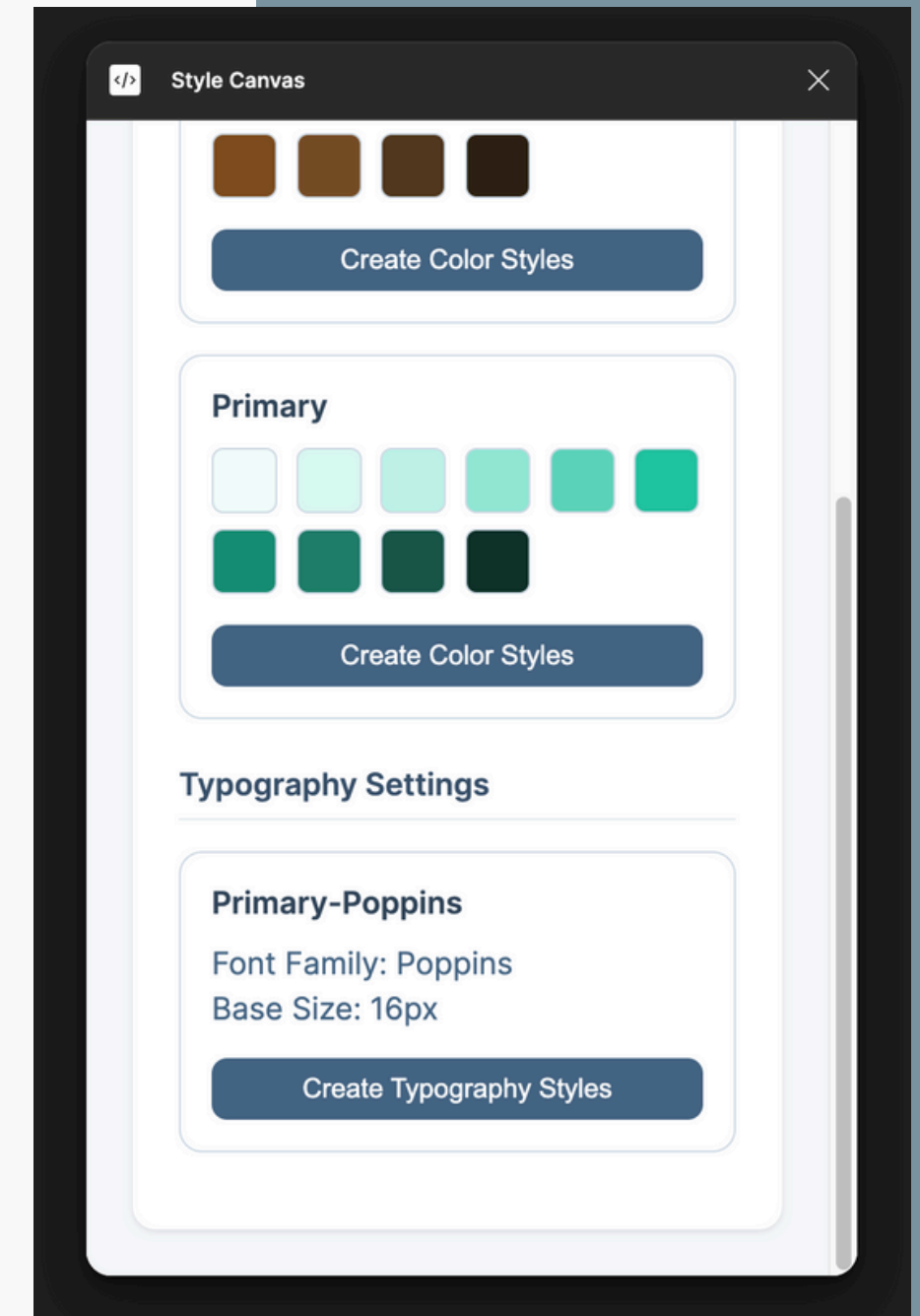
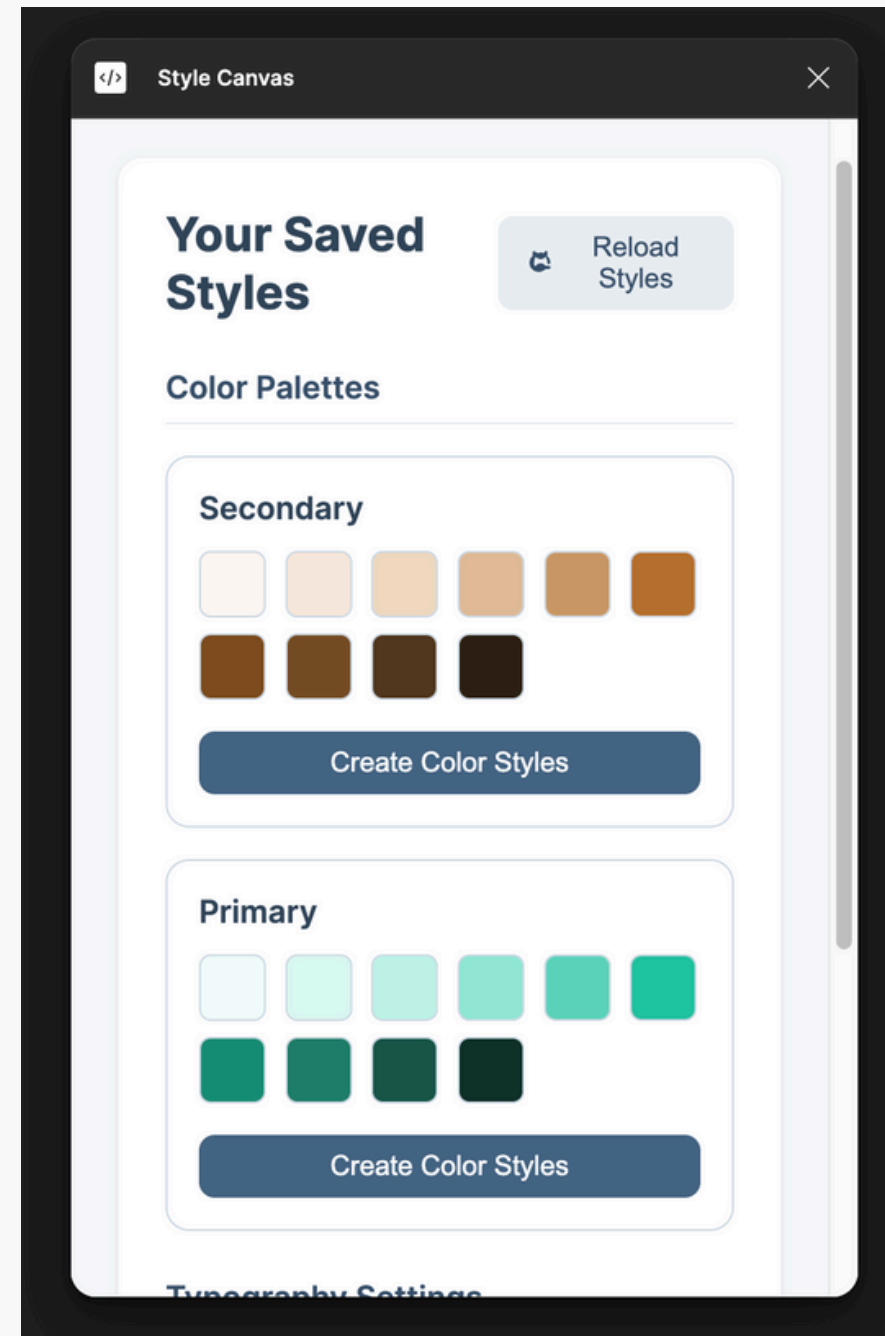
# Typography Management

- Pro users can customize font settings such as base size, font family, weight, and line height.
- Pro users can save typography styles and use them in Figma.



# *Figma Plugin*

- Pro users can access their saved color palettes and typography styles via a Figma plugin.
- Saved styles are automatically applied as color styles or text styles within Figma in one click.



# *User Types and Flow*

# *Free Users:*

- Create unlimited color palettes
- Basic typography settings
- Live preview system
- Export in basic formats



# Free Users: UI

The Style Canvas

Workspace Figma Plugin Pricing **Go Pro** L

Colors Typography

#1d1a42

Random Export Edit Save

50 #f4f3fb	100 #e2e1f4	200 #cbc8e9	300 #a7a3d6	400 #7c77bb	500 #4841a5	600 #453f8d	700 #39356a	800 #1d1a42	900 #1b1929
---------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------

+ Add a secondary color

### Live Examples

See how your colors look in real-time with these example components

Basic Examples Pro Examples



# *Pro Users:*

- Everything in Free, plus:
- Save unlimited palettes
- Advanced typography controls
- Figma plugin integration
- Custom color variations
- Priority support
- Early access to new features



# Pro Users: UI

The Style Canvas

Workspace Figma Plugin Pricing Pro User

Colors Typography

#1e065d

Random Export Done Save

50 #f4f0ff	100 #e2d8fe	200 #cab7fa	300 #a486f4	400 #754ae8	500 #460ed8	600 #4011bb	700 #33118d	800 #1e065d	900 #170b38
---------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------

+ Add a secondary color

**Live Examples**  
See how your colors look in real-time with these example components

Basic Examples Pro Examples



The Style Canvas

Workspace Figma Plugin Pricing Pro User

### Your Saved Items

#### Color Palettes

**Secondary**

Secondary color palette swatches
----------------------------------

**Primary**

Primary color palette swatches
--------------------------------

#### Typography Styles

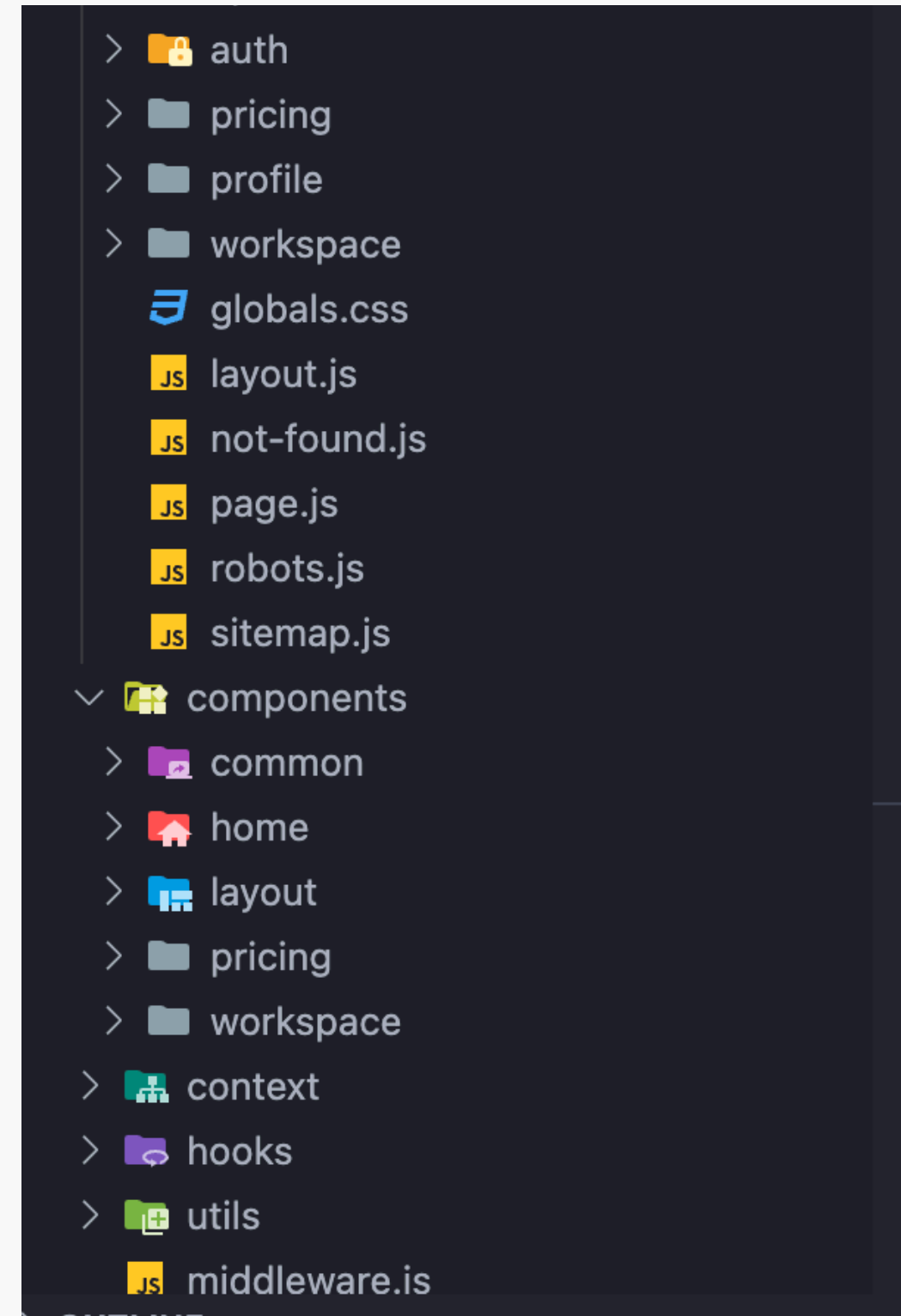
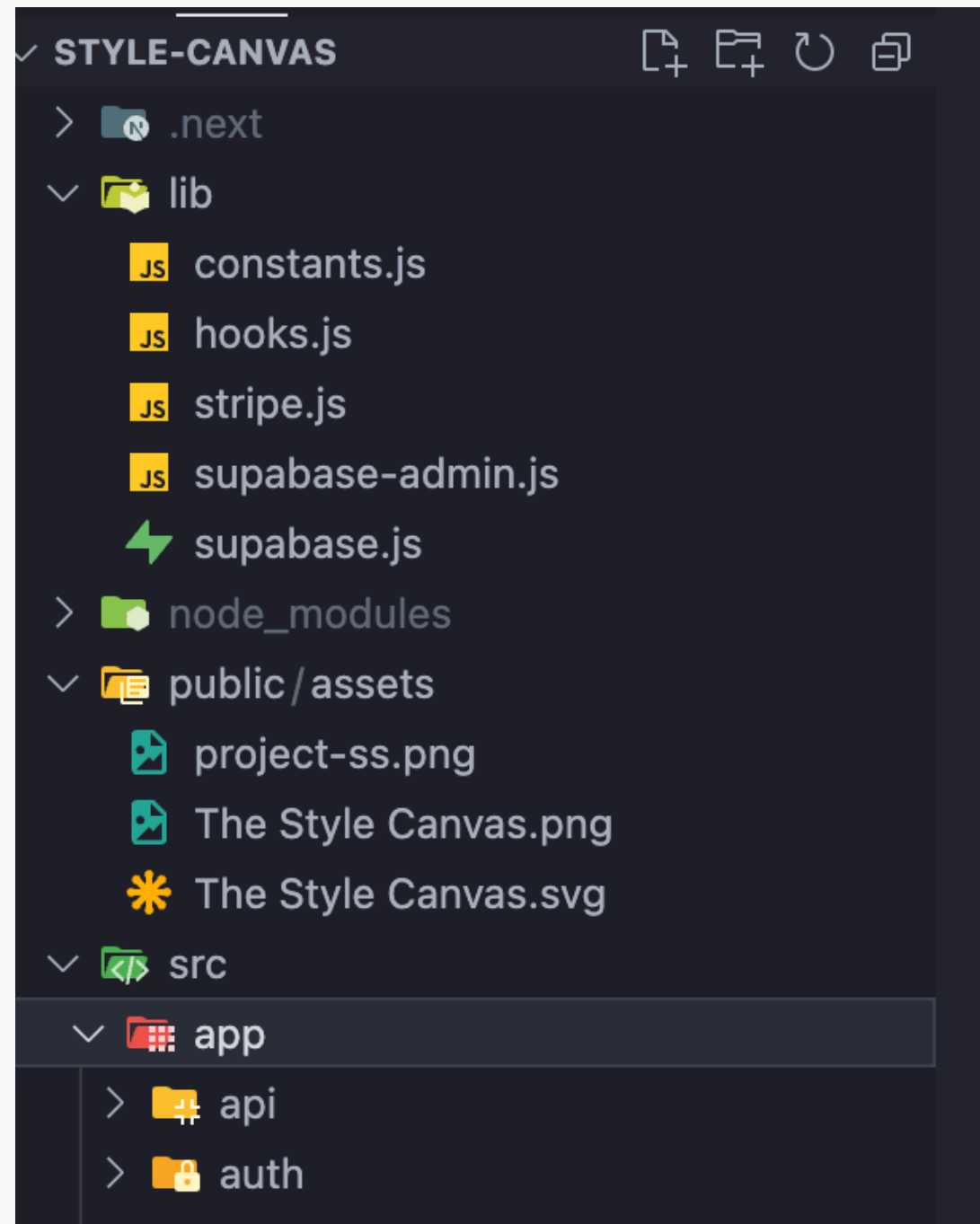
**Primary-Poppins**

Font: Poppins  
Base Size: 16px  
Scale: 1.200

**Text Styles**

Text style 1	Size: 47.78px
--------------	---------------

# Project Structure



# Used Techs

## Framework and UI

- Next.js , React, Tailwind CSS, Google Fonts

## Authentication & Database

Supabase

- Authentication
- Database
- Row-Level Security
- Service Role API

## SEO & Performance

- Dynamic metadata
- Sitemap generation
- Robots.txt configuration
- Image optimization

## Payment Integration

Stripe

- Subscription management
- Webhook handling
- Checkout sessions
- Customer management

## Deployment

Vercel

## Design

Figma

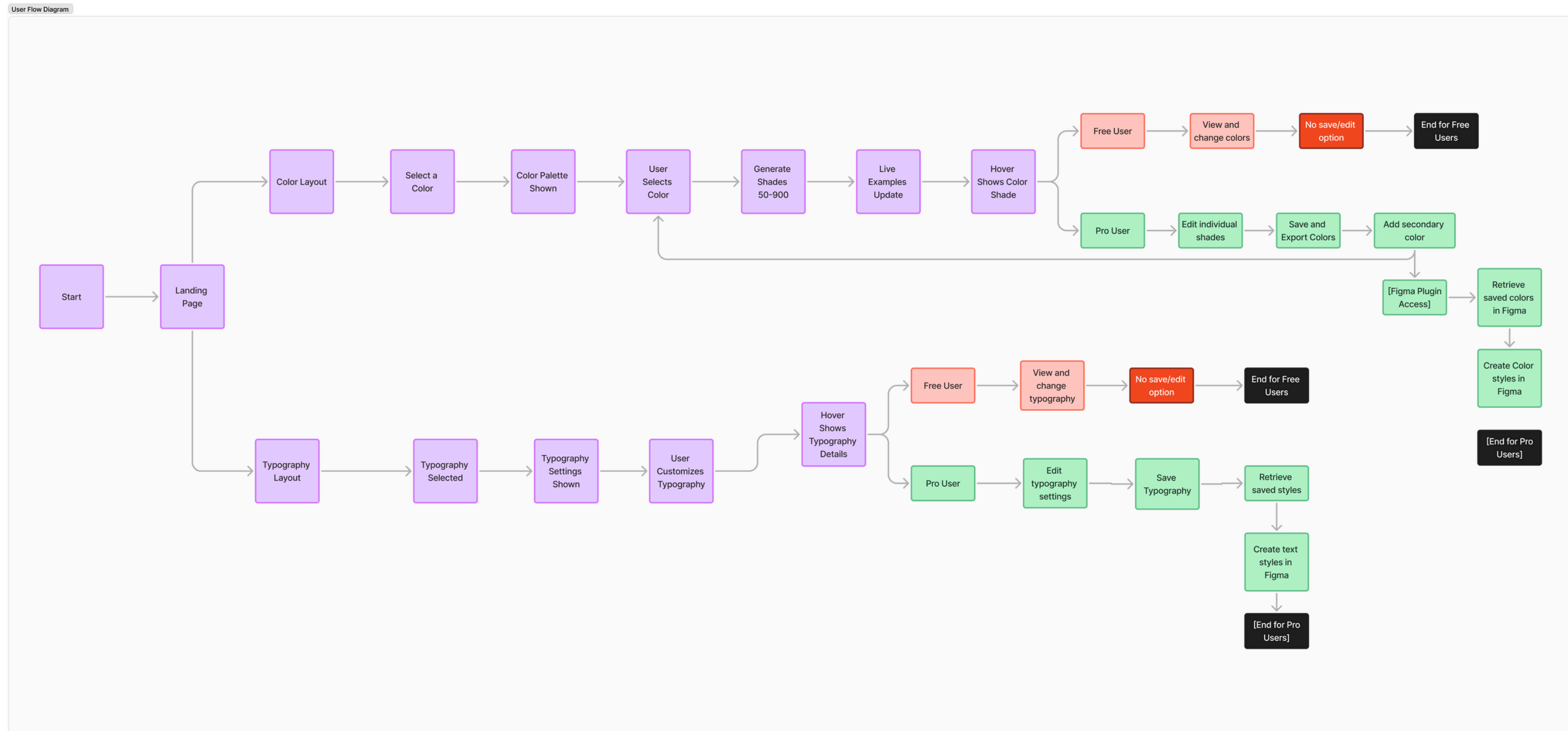
## Key Focus Areas

- Server-side rendering
- API route protection
- Responsive design
- Progressive enhancement
- Type safety
- Security best practices
- Performance optimization



# User Flow Diagram

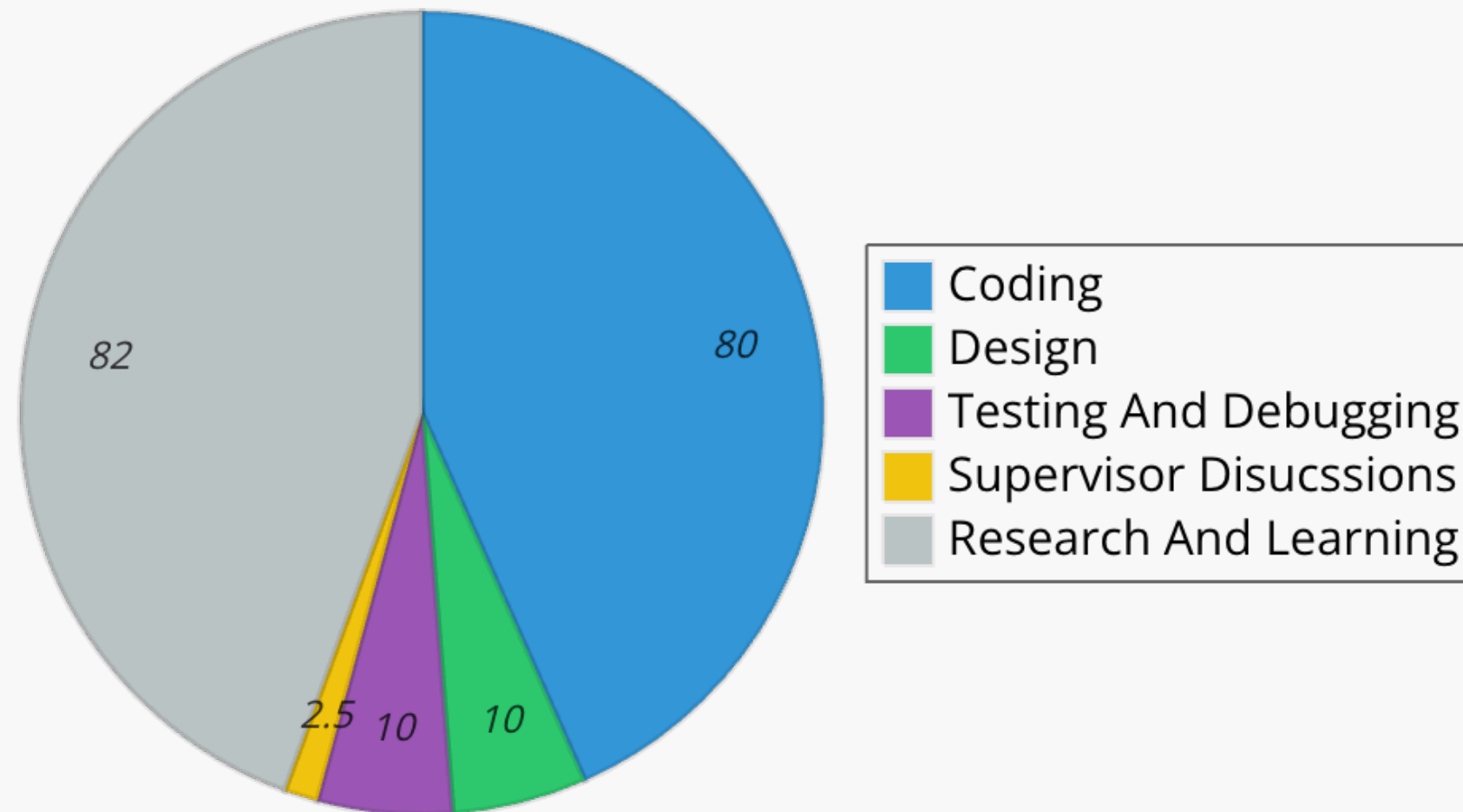
<https://www.figma.com/board/N3xsDMSp4vXe8DgsowoW0I/Cisc-4900-Project?node-id=0-1&t=62nVX906vlgQmYUf-1vsdv>



# Time Logs Summary

## Time Logs

184.5 Total Hours



Made with Livegap Charts



# *Version Control (VCS)*

## **Repository Link:**

<https://github.com/mdearafat/the-style-canvas>



# *It's On Web Too*

<https://the-style-canvas.vercel.app/>

Web Version Status:

Stability: The web version is still under development and not fully stable.

Payment System Issues: Currently facing some challenges with the payment processing system.

Cache & Session Issues: There are intermittent issues with cache and session management.

Basic Usability: Despite these issues, the basic version is functional and can be used.

Customizability: Users can clone the GitHub repository and modify it to suit their needs.



# Website Performance Metrics

https://the-style-canvas.vercel.app/ Analyze

Mobile Desktop

Discover what your real users are experiencing No Data

Diagnose performance issues

89	90	100	100
Performance	Accessibility	Best Practices	SEO

https://the-style-canvas.vercel.app/workspace Analyze

Mobile Desktop

Discover what your real users are experiencing No Data

Diagnose performance issues

98	90	100	100
Performance	Accessibility	Best Practices	SEO

https://the-style-canvas.vercel.app/ Analyze

Mobile Desktop

Discover what your real users are experiencing No Data

Diagnose performance issues

97	95	100	100
Performance	Accessibility	Best Practices	SEO

METRICS Expand

● First Contentful Paint 0.8 s	● Largest Contentful Paint 2.1 s
● Total Blocking Time 50 ms	▲ Cumulative Layout Shift 0.648
● Speed Index 1.5 s	



# *Future Plans and Features*

## **AI-Powered Color Generation:**

- Potential future feature where AI assists users in generating color palettes based on specified preferences (e.g., bold, natural, or gradient styles).



# *Personal Experience*

Working on the project has been an incredible journey and a significant milestone in my development as a programmer. Before this, I had never undertaken a complete full-stack project. The idea of building something end-to-end always intrigued me, but it also seemed daunting. However, this project gave me the confidence and clarity to move past those fears.

Throughout the process, I learned that with enough time, dedication, and study, we can build and achieve much more than we initially believe. Tackling various aspects of the project—from designing the user interface to managing the backend—made me stronger as a developer. It also instilled a belief that challenges are opportunities for growth.

Although the project is complete in its current form (with flaws), I view it as just the beginning. I hope to continue working on it in the future, enhancing its functionality and usability. There is so much potential to refine and expand the project, and I'm excited to see where it can go with further effort and improvements.

# *Conclusion:*

The Color Palette and Typography Assistant is designed to help users experiment with and apply color palettes and typography easily and efficiently. Through real-time previews, live examples, and seamless Figma integration, it provides a complete solution for UI/UX designers. The integration of version control ensures proper tracking and collaboration throughout the development process.





***Thank you***

