

Amanda Mason
API MVP proposal
June 2022

COLOUR LUCKY-DIP

User stories

As a user, I would like to use this MVP to create a unique and fun artwork, download the sketch file, and use it anywhere I wish.

The plan

My project is designed to encourage a user to interact and create with the page. I love the idea of creating a sense of play between the user and a webpage and this is a start to my journey to exploring this further.

Core features

I wish to create a one page application, that uses both an API to obtain color information and the html canvas element to allow the user to draw upon the page however they see fit. I plan to incorporate the P5js libraries also to accomplish the drawing aspect.

The API

As a child I used to adore Crayola crayons, not only for their vibrant colors, but also the way they creatively named the colors.

I am going to obtain the Json data from the widely available Crayola Color Chart, and using fetch to obtain the hex colors, and the color names. My app is going to act like a lucky-dip, to select a random color on refresh, and then apply that color and color name to a drawing pen, and also change an html h1 element with the changing color title.

Challenges I foresee...

As this is the first time creating a single page app using an API, I expect this to challenge my basic Javascript skills. Obtaining and using the data will also be a challenge. I have also never combined P5js libraries into a standard js file, so will be a good time to test this out.



Color	Hex	RGB
Red	#E67E22	[230, 126, 34]
Orange	#F1C40F	[245, 196, 15]
Yellow	#F1E71F	[245, 231, 31]
Green	#2ECC71	[46, 204, 113]
Blue	#3498DB	[52, 152, 212]
Purple	#9B59B6	[155, 91, 182]
Pink	#F08080	[240, 128, 128]
White	#FFFFFF	[255, 255, 255]
Black	#000000	[0, 0, 0]
Grey	#808080	[128, 128, 128]
Light Grey	#D3D3D3	[211, 211, 211]
Dark Grey	#333333	[51, 51, 51]
Light Blue	#ADD8E6	[173, 218, 230]
Dark Blue	#000080	[0, 0, 128]
Light Green	#90EE90	[146, 238, 130]
Dark Green	#008000	[0, 128, 0]
Light Orange	#FFDAB9	[255, 218, 185]
Dark Orange	#FF4500	[255, 69, 0]
Light Yellow	#FFFFE0	[255, 255, 224]
Dark Yellow	#FFD700	[255, 215, 0]
Light Purple	#DDA0DD	[221, 161, 221]
Dark Purple	#800080	[128, 0, 128]
Light Pink	#FFB6C1	[255, 182, 193]
Dark Pink	#FF1493	[255, 20, 147]
Light Brown	#D2B48C	[210, 180, 140]
Dark Brown	#654321	[103, 67, 33]
Light Tan	#F5DEB3	[245, 222, 179]
Dark Tan	#8B4513	[139, 69, 19]
Light Blue-Grey	#AECDE0	[174, 205, 224]
Dark Blue-Grey	#4682B4	[70, 130, 180]
Light Green-Grey	#C8E6C9	[200, 230, 208]
Dark Green-Grey	#4CAF50	[76, 181, 52]
Light Purple-Grey	#B39DDB	[179, 157, 219]
Dark Purple-Grey	#673AB7	[103, 58, 183]
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Dark Yellow-Grey	#FFEB3B	[255, 235, 59]
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Dark Orange-Grey	#FF9800	[255, 152, 0]
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