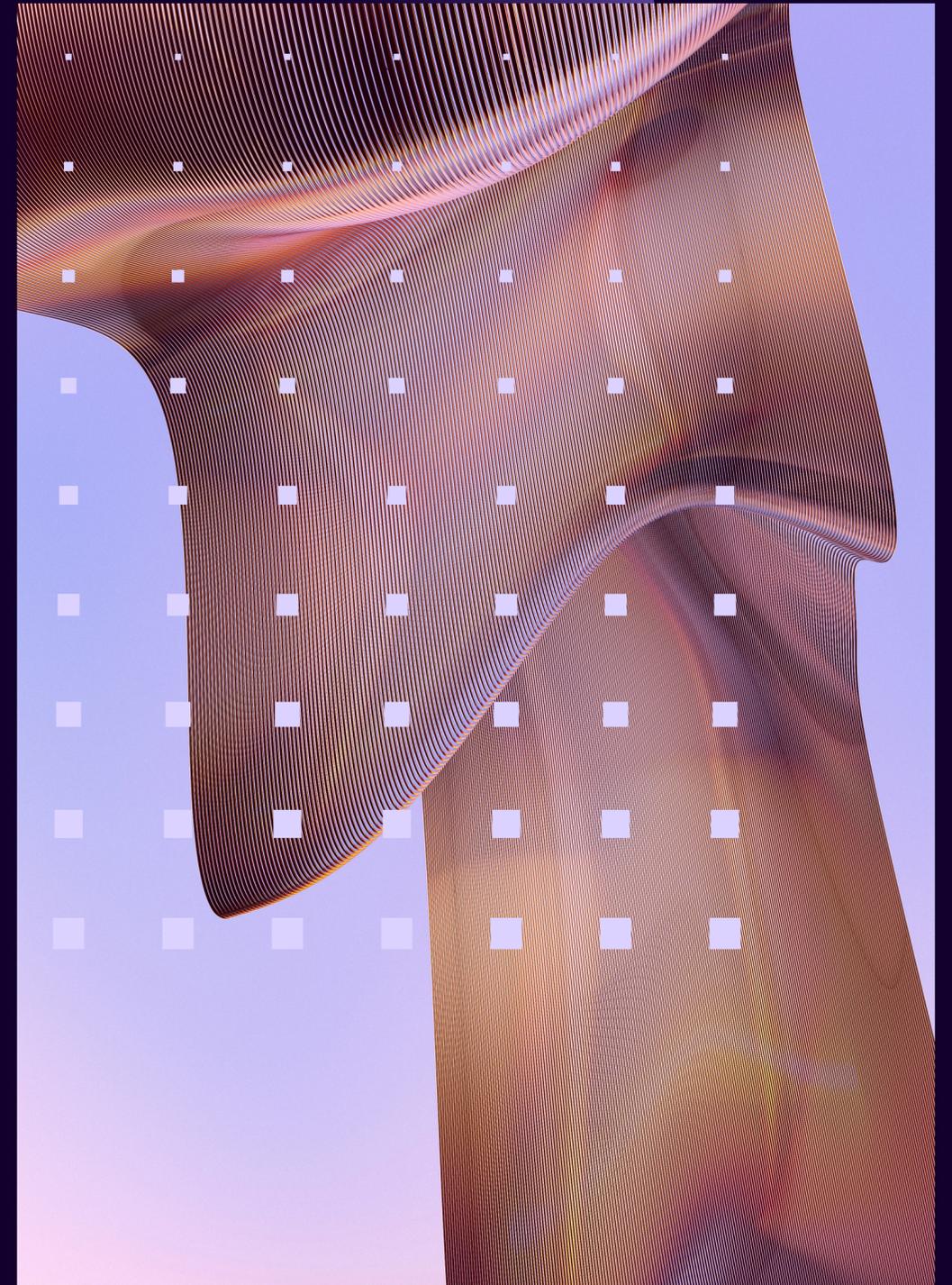


Project 1: Design a dashboard

Hei Tung Wong (Hazes)



Semester Goal Progress Tracker

 project activity

Motivation	Skills I want to Grow	My biggest obstacle	Weekly action step to track	Accountability partner (name)
<i>Code:</i> Learn to code a web page	HTML + CSS	Time	Make time on my schedule. Use partner.	Ryan
<i>Design:</i> Learn to design a webpage	Illustration + coding	Drawing	Practice more drawing in digital and do more coding	Chaz
<i>Know Others:</i> Meet some new classmates	Communications		Be more confidence	DD



Alex Chen

Owner & Manager of “The Daily Grind” Café

35 years old

Alex is the owner of a small independent café called The Daily Grind. He manages daily operations including staff scheduling, inventory ordering, and monitoring sales performance. Alex has basic business knowledge but does not have a strong background in data analysis. He often relies on spreadsheets or printed reports, which makes it hard for him to quickly understand how the café is performing day to day.

Alex wants a clear and simple dashboard that helps him understand the business at a glance and supports better decision-making without spending too much time analyzing data.

Alex’s goals and motivations for looking into the small cafe

- Quickly check daily sales and overall revenue
- Understand profit margins and identify low-profit items
- Monitor inventory levels to avoid over-ordering or running out of stock
- Identify peak hours to schedule staff more efficiently
- Make faster business decisions based on clear visual data

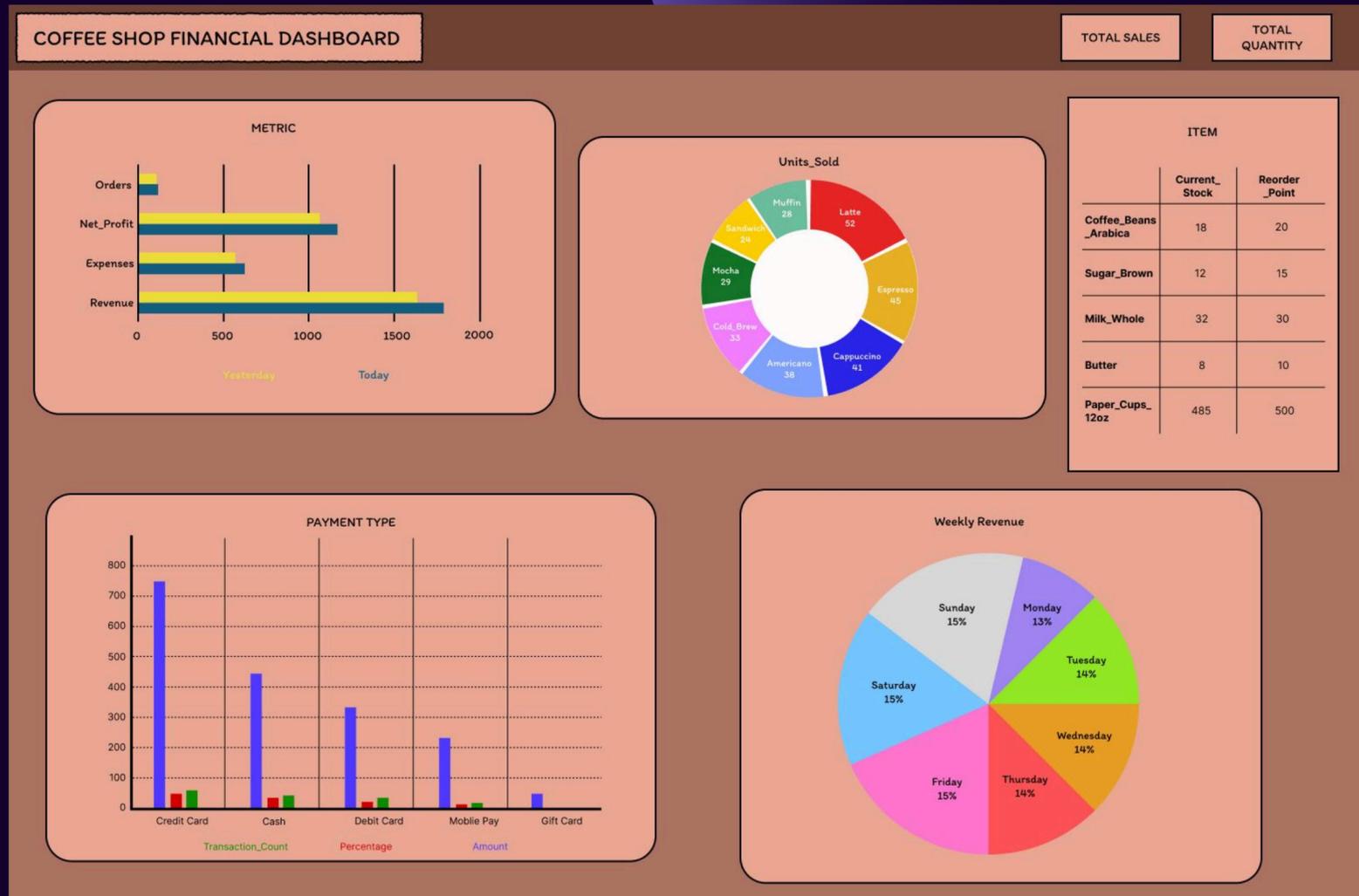
The hardest parts of the process for Alex

- Hard to read and compare numbers in spreadsheets
- No quick way to see which products are underperforming
- Difficult to track trends over time
- Limited time to analyze detailed reports
- Information is often scattered across different sources

Information Alex will look for on the Dashboard

- Daily and weekly sales summary
- Profit margins by product
- Inventory status and alerts
- Customer traffic by time of day
- Easy access to detailed views for specific metrics

Figma Prototype



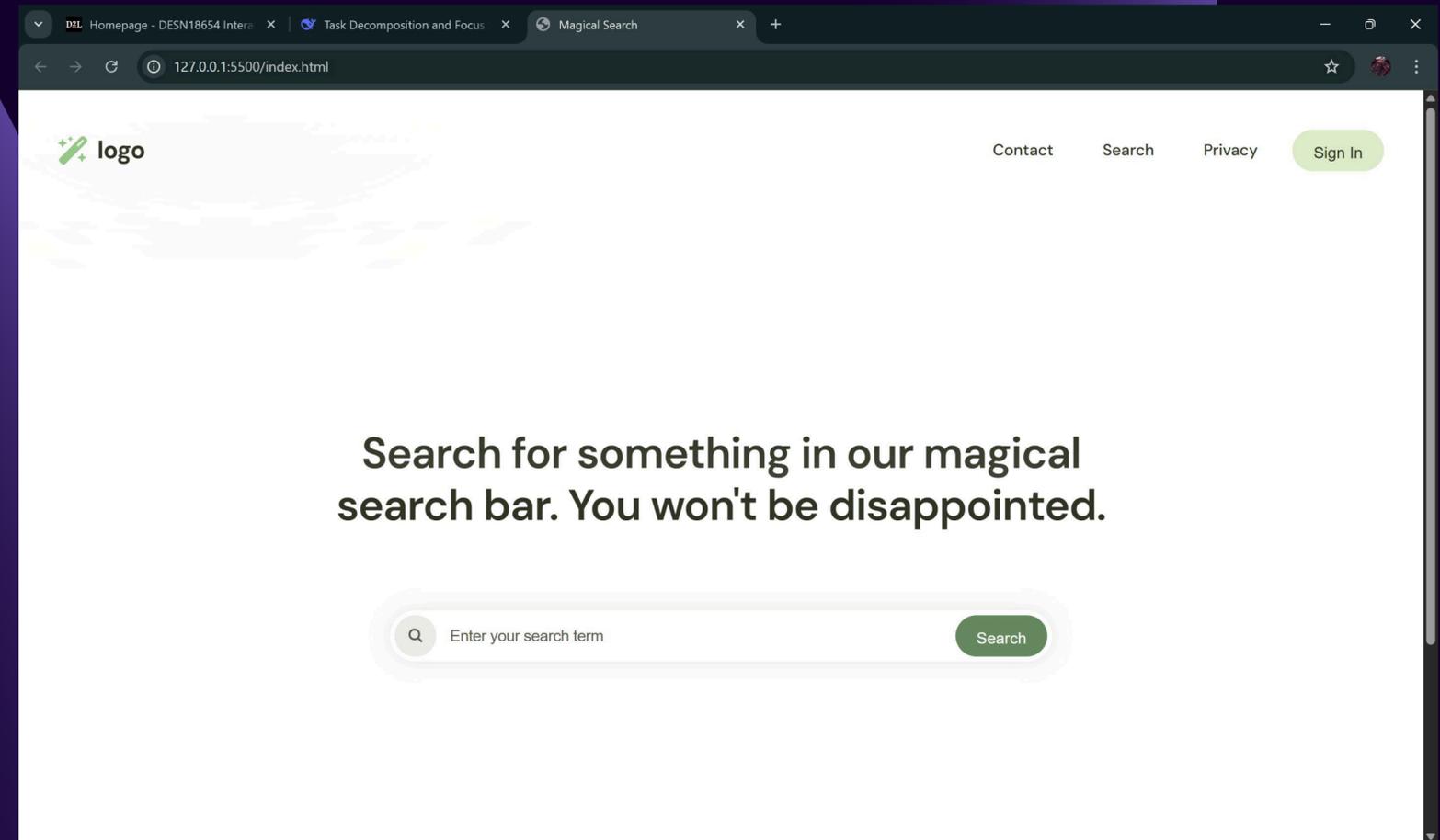
Figma Link: <https://www.figma.com/design/HpkOpAnYsg6lXykpZzWpq6/Project-1--Design-a-dashboard?node-id=0-1&t=5ehzLbDbXRkElvFR-1>

mcp-demo

```
2 <html lang="en">
12 <body>
13   <div class="container">
26     <header class="header">
27       <div class="logo-container">
30     </div>
31     <nav class="nav">
32       <a href="#" class="nav-link">Contact</a>
33       <a href="#" class="nav-link">Search</a>
34       <a href="#" class="nav-link">Privacy</a>
35       <button class="sign-in-btn">Sign In</button>
36     </nav>
37   </header>
38
39   <!-- Main content -->
40   <main class="main-content">
41     <h1 class="headline">
42       Search for something in our magical<br>
43       search bar. You won't be disappointed.
44     </h1>
45
46     <!-- Search bar -->
47     <div class="search-container">
48       <div class="search-bar">
49         <div class="search-icon-wrapper">
50           <svg class="search-icon" width="15" height="15" viewBox="0 0 15 15" fill="none" xml
51             <path d="M6.5 11C9.26142 11 11.5 8.76142 11.5 6C11.5 3.23858 9.26142 1 6.5 1C3.
52             <path d="M13.5 13L10 9.5" stroke="#5a6051" stroke-width="2" stroke-linecap="rou
53           </svg>
54         </div>
55         <input type="text" class="search-input" placeholder="Enter your search term">
56         <button class="search-btn">Search</button>

```

Build with Agent
AI responses may be inaccurate.
Generate Agent
Instructions to onboard AI onto your codebase.



vibe 1

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Vibe1</title>
7   <link rel="stylesheet" href="design.css/style.css">
8 </head>
9 <body>
10  <h1>Background Color Changer</h1>
11  <div>
12    <input type="text" id="colorInput" placeholder="Enter a color (e.g., red, #FF5733)">
13    <button id="applyButton">Apply</button>
14  </div>
15  <div id="errorMessage" class="error hidden">⚠ Valid colors: red, blue, green, yellow, purple, orange, pink
16
17  <script src="script.js"></script>
18 </body>
19 </html>
20
```

← CREATING AN I...
color is entered. The
error message has a red
color scheme with a
border, appears with a
shake animation, and
automatically disappears
after 3 seconds.

instead of saying
please enter a colour
name or hex code
when the error pops
up, change the error
pop up to specifically
state what colours
they can type in the
textbox that can
change the
background colour

Updated error
✓ message with valid
color options

✓ Edited index.html
+1 -1

Done! The error message
now specifically lists

> Keep Undo

+ index.html

Describe what to build

⌵ ⌵ ⌵ ⌵ ⌵

Background Color Changer

gold Apply

vibe 2

```
css > # styles.css > *
1 * {
2   margin: 0;
3   padding: 0;
4   box-sizing: border-box;
5 }
6
7 body {
8   font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
9   background: linear-gradient(135deg, #667eea 0%, #764ba2 100%);
10  min-height: 100vh;
11  padding: 20px;
12 }
13
14 .dashboard {
15   display: grid;
16   grid-template-columns: 1fr 1fr;
17   grid-template-rows: auto auto;
18   gap: 20px;
19   max-width: 1200px;
20   margin: 0 auto;
21 }
22
23 .stats-wrapper {
24   display: contents;
25 }
26
27 .panel {
28   background: linear-gradient(135deg, #ffffff 0%, #f8f9fa 100%);
29   border-radius: 16px;
30   padding: 30px;
31   box-shadow: 0 10px 30px rgba(0, 0, 0, 0.15);
32   border: 1px solid rgba(255, 255, 255, 0.3);
33   transition: transform 0.3s ease, box-shadow 0.3s ease;
34 }
35
36 .panel:hover {
37   transform: translateY(-5px);
38   box-shadow: 0 15px 40px rgba(0, 0, 0, 0.2);
39 }
```

TODAY



\$24,567

TOTAL REVENUE

LIVE



8,432

ACTIVE USERS

Performance Over Time



Period	Value	Description
Week 1	1,245	Initial baseline metrics established for the quarter
Week 2	1,580	Moderate growth observed across all segments
Week 3	2,120	Strong upward trend with increased engagement
Week 4	1,890	Slight adjustment period following peak activity
Week 5	2,450	Record high performance achieved this period
Week 6	2,340	Sustained high-level performance maintained
Week 7	2,680	Continued growth with optimized operations
Week 8	3,120	Outstanding results exceeding quarterly targets

vibe 3

```
File Edit Selection View Go Run ... vite3
EXPLORESER Welcome index.html X # styles.css
VIBE3
css
index.html
index.html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Sales Chart</title>
7   <link rel="stylesheet" href="css/styles.css">
8 </head>
9 <body>
10 <div class="container">
11   <h1>Monthly Sales Report 2026</h1>
12
13   <div class="chart-container">
14     <svg viewBox="0 0 800 450" xmlns="http://www.w3.org/2000/svg">
15       <!-- Chart Title -->
16       <text x="400" y="30" text-anchor="middle" class="chart-title">Sales Figures by Month</text>
17
18       <!-- Y-axis -->
19       <line x1="80" y1="60" x2="80" y2="380" class="axis-line"/>
20
21       <!-- X-axis -->
22       <line x1="80" y1="380" x2="750" y2="380" class="axis-line"/>
23
24       <!-- Y-axis labels -->
25       <text x="70" y="385" text-anchor="end" class="axis-text">0</text>
26       <text x="70" y="305" text-anchor="end" class="axis-text">10</text>
27       <text x="70" y="225" text-anchor="end" class="axis-text">20</text>
28       <text x="70" y="145" text-anchor="end" class="axis-text">30</text>
29       <text x="70" y="65" text-anchor="end" class="axis-text">40</text>
30
31       <!-- Y-axis title -->
32       <text x="30" y="220" text-anchor="middle" transform="rotate(-90 30 220)" class="axis-text" sty
33
34       <!-- Grid lines -->
35       <line x1="80" y1="300" x2="750" y2="300" stroke="#e0e0e0" stroke-width="1" stroke-dasharray="5,
36       <line x1="80" y1="220" x2="750" y2="220" stroke="#e0e0e0" stroke-width="1" stroke-dasharray="5,
37       <line x1="80" y1="140" x2="750" y2="140" stroke="#e0e0e0" stroke-width="1" stroke
38       <line x1="80" y1="60" x2="750" y2="60" stroke="#e0e0e0" stroke-width="1" stroke-dasharray="5,
39
```

CREATING AN ...

Move the CSS to its own file/folder.

Read HTML file and created CSS file

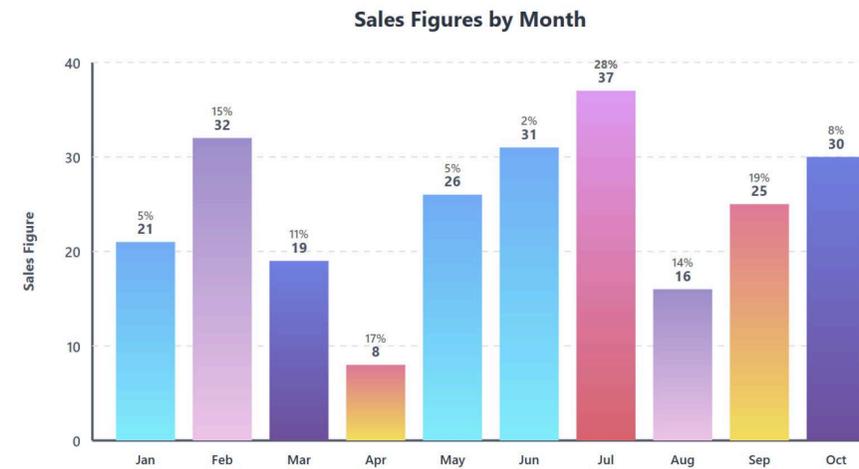
Edited index.html +1 -134

Done! I've moved all the CSS to styles.css and updated index.html to link to the external stylesheet. The page structure is now cleaner with separated concerns.

Keep Undo

Describe what to build

Monthly Sales Report 2026



Sales Data

- Jan: 21 sales, 5%
- Feb: 32 sales, 15%
- Mar: 19 sales, 11%
- Apr: 8 sales, 17%
- May: 26 sales, 5%
- Jun: 31 sales, 2%
- Jul: 37 sales, 28%
- Aug: 16 sales, 14%
- Sep: 25 sales, 19%
- Oct: 30 sales, 8%