

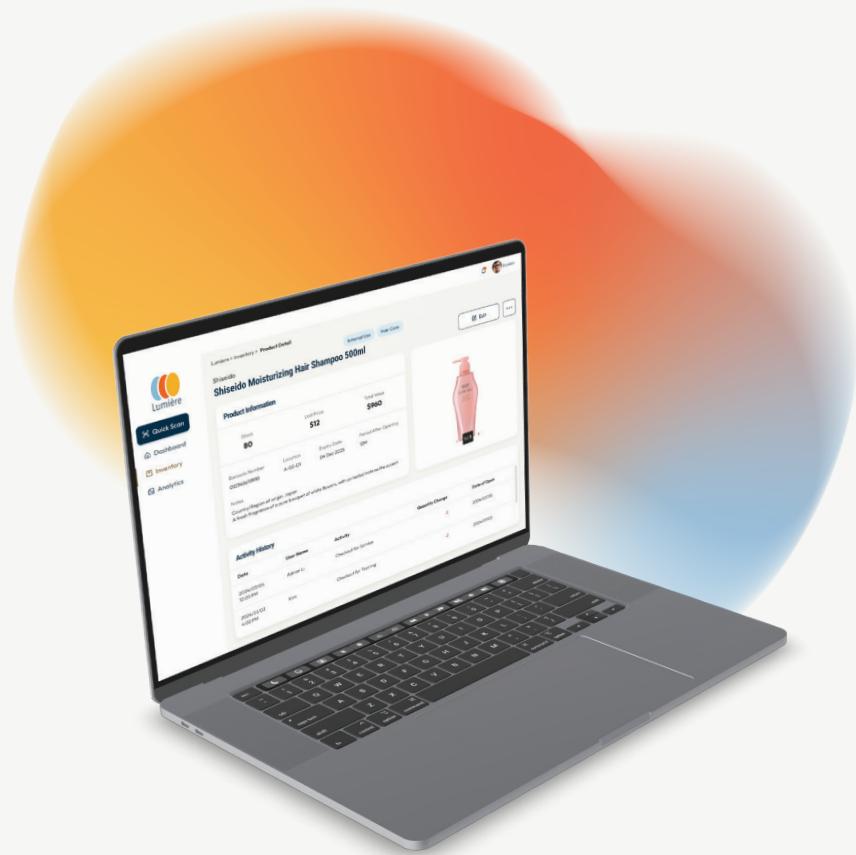
Lighten Up
Your Salon



By Zodiac

Cheuk Yan Li · Greeshma Dharmapalan · Harleen Kaur · Hong Ngoc Tran · Kim David Camaongay
Natcha Phaibharamee · Maria Beatriz Doneux Santos de Camargo · Tin Zar Paing





lumiereapp.ca



Table of Content

Project Overview

Problems	2
Solutions	3
Main Features	4
Competitors	6
Business Model	7

Design Process

UX Research	8
Personas	9
User Flow	10
Wireframes	12
Brand Identity	14
UI Components	15

Development Process

Data Model	16
System Architecture	18
React Component Tree	20
Design Milestone	22
Development Milestone	23
Team Zodiac	24
References	26

About Us



Project Overview



Problem

We identified some key challenges faced by beauty salon businesses through qualitative and quantitative research, including surveys and interviews with beauty salon owners and staff.

Our findings revealed a prevalent reliance on pen-and-paper inventory management processes in beauty salons. This manual approach is often disconnected from their point-of-sale systems and in-store product use, resulting in the laborious task of manually counting products in stock. Such a process is time-consuming and prone to errors.

Moreover, our research highlighted challenges faced by salon owners in managing products nearing expiration and monitoring opened items with limited “period-after-opening” (PAO).

This lack of effective monitoring contributes to excessive product wastage and financial losses for the businesses.

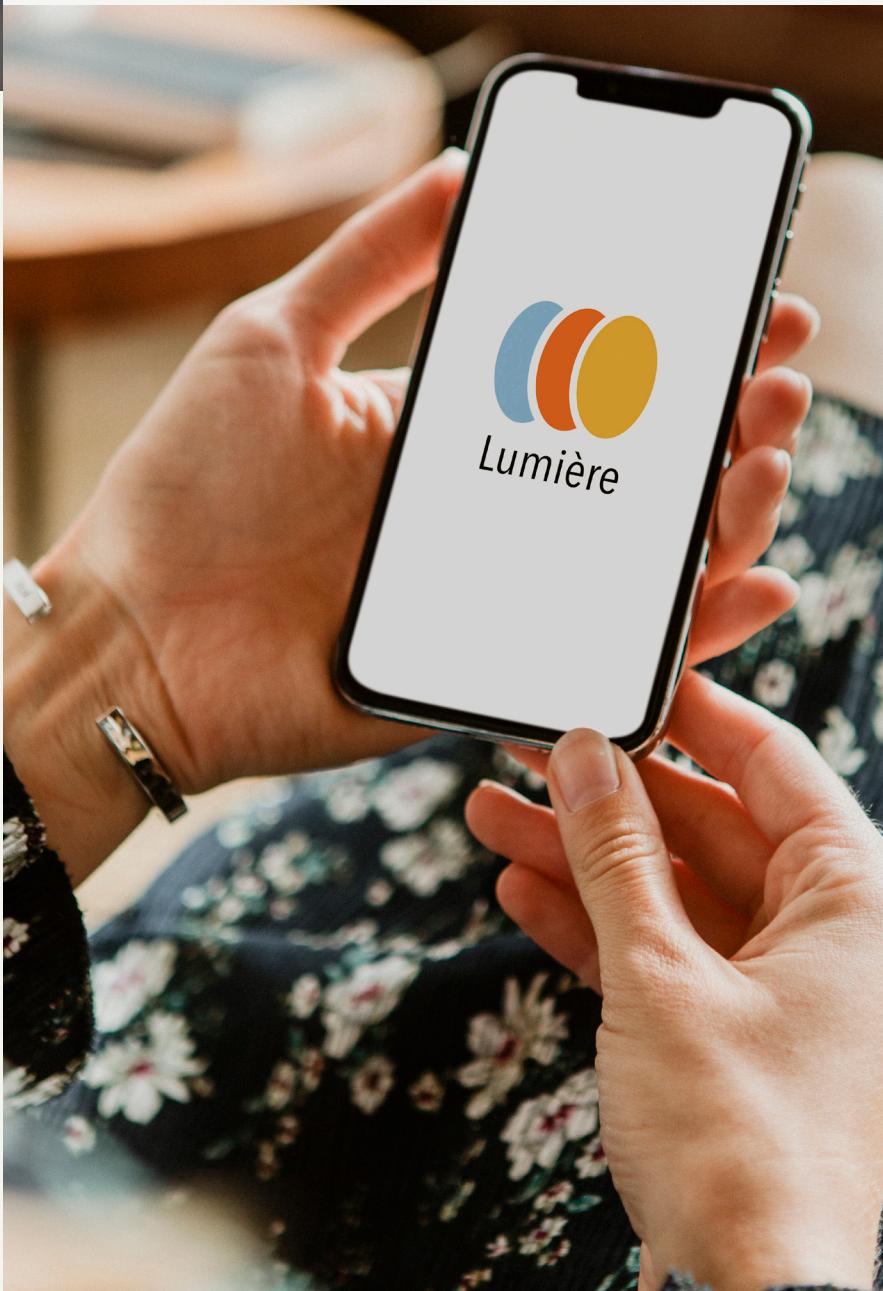
In addition to the above challenges, there is a demand for detailed analysis of inventory and sales data within beauty salons. Manual inventory management makes it difficult to understand product trends, demand changes, and overall business performance. Introducing a system that can analyze both inventory, sales and product wastage will help salon owners make informed decisions about restocking, pricing, and promotions. This analytical approach will streamline operations and boost profitability and competitiveness in the beauty industry.



Solution



Web application designed specifically for salon businesses to efficiently manage their inventory using cloud technology.



Data-Driven Decision Making

The app's analytics and reporting tools help salon owners to make strategic business decisions based on real-time and accurate data.

Enhanced Efficiency

Streamlining inventory processes help salon employees to increase work efficiency, saving time and resources.

Cost Reduction

Efficient inventory management enables beauty salons to minimize waste by preventing product expiration, leading to cost savings.



Main Features

Barcode Scanning

Users can easily scan the barcode to add new products, check product details and check out for in-store use.

Inventory product analytics and reporting

Provide users with comprehensive analytics and reporting tools for effective inventory management and informed business decisions.



Expiration Tracking and Reminder

Users can track the expiration dates of products, receive reminders when products are nearly expired and report on product wastage.

Lumière > Inventory

Inventory

Product List

No.	Name	Date Added	EXP	Status
1	TECNIART Hairspray	02/07/2024	02/07/2024	Expired
2	BBB Conditioner	08/03/2024	08/03/2024	Normal
3	AAA Hair Colour	12/08/2026	12/08/2026	Normal
4	DDD Hair Mask	02/01/2027	02/01/2027	Normal
5	EEE Conditioner	07/11/2023	07/11/2023	Normal
6	FFF Hairspray	02/08/2027	02/08/2027	Normal
7	GGG Shampoo	10/06/2025	10/06/2025	Normal

Confirm?

Are you sure you want to Report TECNIART Constructor Hairspray as Wasted?

Cancel Confirm

9:41

Lumière

Notifications

All Low-Stock Expired

Expiration

The Dandelion is almost expired
February 2, 2024 - 11:03 PM

Low-Stock

The Shiseido has low-stock
February 2, 2024 - 11:03 PM

Expiration

The Shiseido is almost expired
February 2, 2024 - 11:03 PM

Low-Stock

Low-stock Reminder

Users can receive timely notifications when products level are running low.



Competitors

Lumière faces competitive benchmarking, revealing oversaturation from three major players in the salon inventory management sector: Fresha, Phorest, and SalonScale. We conducted a thorough audit of these competitors to compare key features, including barcode scanning, report wasted, low-stock and expiration notifications, and inventory product analytics.

Following our research and benchmarking against competitors, we have refined these features to enhance user experience. Our goal is to provide salon owners with superior tools for inventory control and insightful analytics, aiding them in making informed purchasing decisions.

	 Lumière	 fresha	 Phorest	 SALONSCALE™
Barcode Scanning				
Inventory Product Analytics and Reporting				
Expiration Tracking and Reminder				
Low-stock Reminder				



Business Model

**30 Days
Free Trial**

**\$39 CAD/
Month**

**\$69 CAD/
Month**

Lumière offers a 30-day complimentary trial period for new customers. Our subscription plans begin at \$49 per month for up to four users and \$89 per month for larger businesses.

By offering a 30-day free trial and flexible subscription plans, Lumière aims to attract hair salons and businesses of varying sizes, providing them with an affordable and efficient solution for inventory management.

Commission Model

Lumière will partner with green beauty product suppliers or brands and earn a 2% commission on sales made when salon owners purchase products for their inventory. This commission model incentivizes salon owners to use the app for managing their inventory, as they can benefit from the great value deals offered by green brands while supporting sustainability.

By earning a commission on these sales, Lumière can generate additional revenue while promoting its core CSR values. This model also encourages salon owners to actively manage their inventory and stock green beauty products, driving sales and brand visibility for the partnered green brands.





Design Process



UX Research

The case study, conducted between January 22-25, 2024, aimed to understand the specific requirements and preferences regarding inventory management and analytics in beauty salons across Vancouver.

Structured interviews were conducted with three beauty salons employees including two from private salons and one from a franchised salon in Vancouver, through phone meetings. These interviews delved into their current inventory management practices, procedures for tracking expiration dates, and reporting on sales and inventory.

After analyzing the results of all interviews, there was a consensus on the idea of reducing the manual workload associated with stock and expiry checks, minimizing product wastage, and providing visual analytics into inventory, top trending products, and product waste. Ultimately, the goal is to enhance profitability for their salon businesses.



Personas

**Taylor Williamson**

Beauty Salon Owner
Masters in Business
Single | 45
Victoria

Bio

Living in Victoria, she finished her master in business and has just opened her own salon business in downtown Vancouver. She is currently single and likes to travel to different countries with friends on long holidays.

Core Needs

- Finding the way to help her operate the salon smoothly and minimize product wastes
- Reducing the pen-and-paper system in her business management
- Want to monitor the product sales and inventory data remotely

Frustrations

- Noted down stock, bills, and product details manually, which can result in errors and oversights
- Frustrated by the prolonged delivery times for sales reports from salon staff located in a different city
- Recruiting for store managers is expensive

**Serena Cameron**

Esthetician
Bachelor of Arts
Single | 26
Vancouver

Bio

Living in Vancouver, Serena Cameron holds a Bachelor of Arts degree and has recently joined a private beauty salon. She continually keeps herself updated with the latest technologies and skincare advancements to provide her clients with the best treatments.

Core Needs

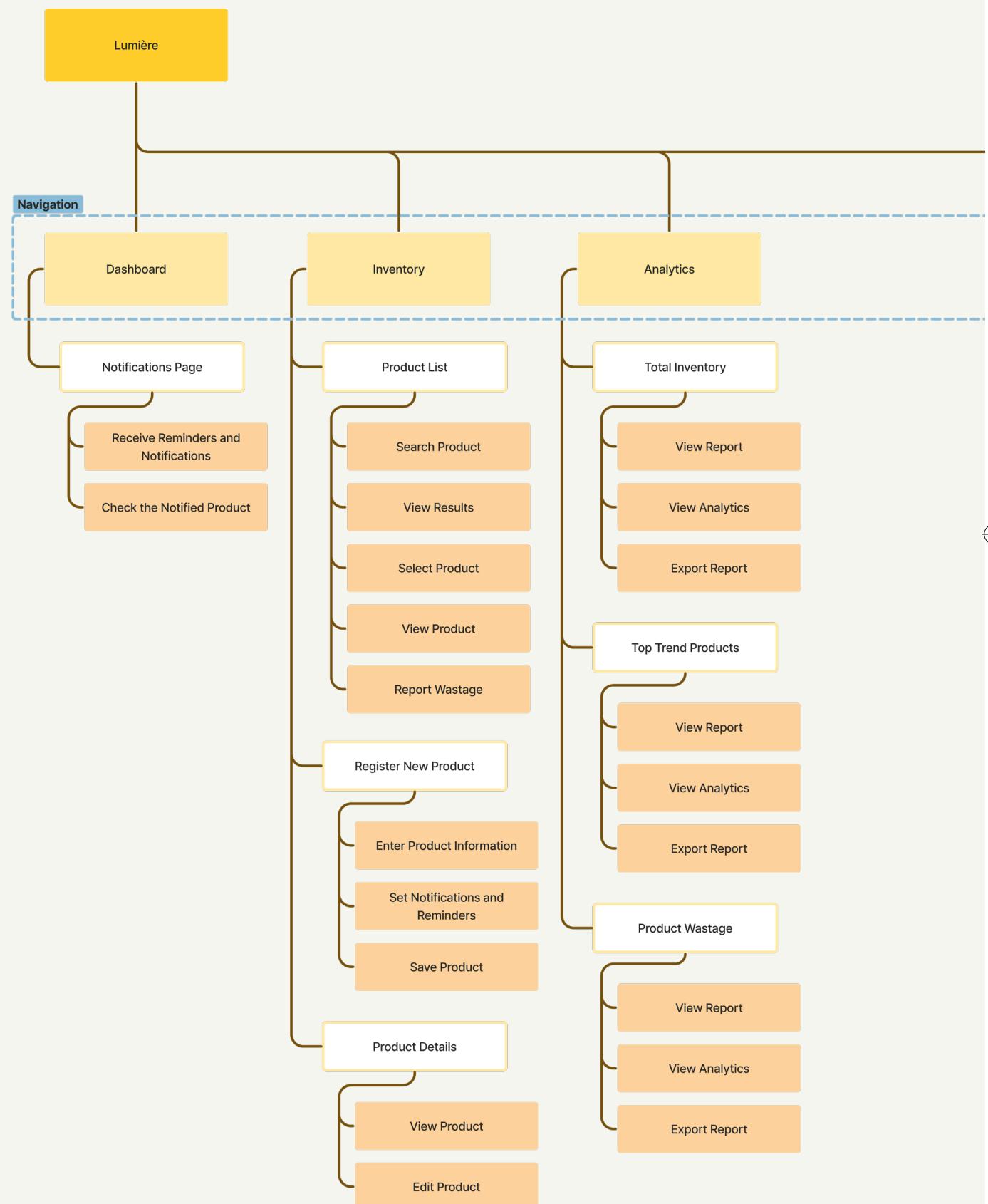
- Keep track of the quantities and location of the products
- Keep track of the opened products and expiry dates
- Document product sales and create reports

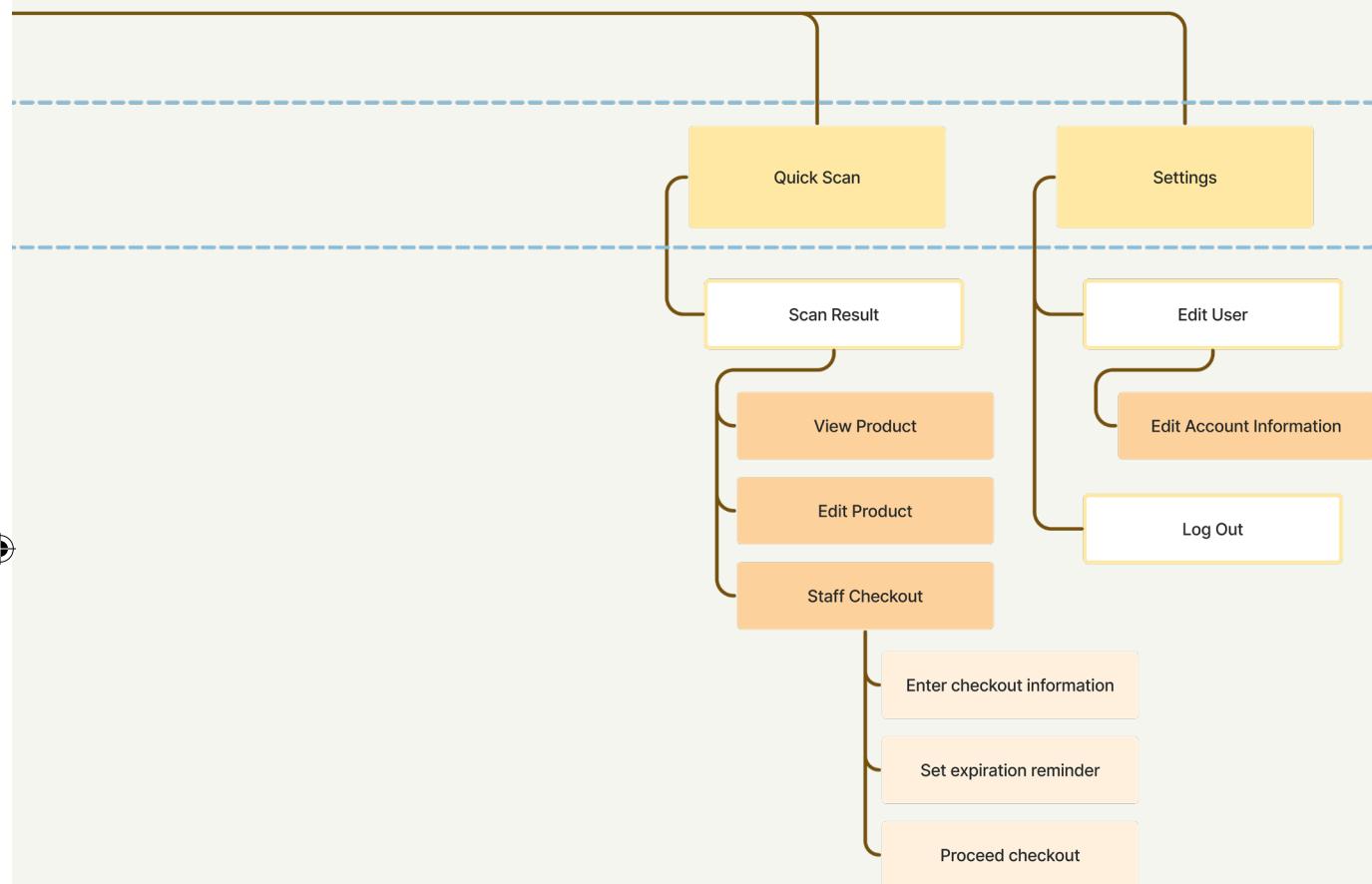
Frustrations

- Frustrated by the time-consuming and error-prone manual process of balancing sales and counting cash when closing the salon
- Not sure why some products are missing
- Frustrated with the weekly task of manually checking stocks and expiry dates



User Flow







Wireframes

Lumière

Lumière > Dashboard

Dashboard

Total of Inventory 2,345 Total Inventory Value \$12,345 Total Sales 212 Total Revenue \$2,345

AAA Shampoo is going to expire in 30 days

Inventory Overview

Total of Retail products	1,234
Nearly Expired	1,234
Total of In-Store products	1,234
Expired Products	26

Sales Overview

Hair Care	313
Skin Care	22
Make Up	90
Tools and Accessories	61

Top Trend Products

Text	1
Text	2
Text	3
Text	4
Text	5

77% Total Inventory

Shampoo Conditioner Gel

Settings Sign Out

Lumière

Lumière > Dashboard

Dashboard

AAA Shampoo is going to expire in 30 days

Total of Inventory 2,345 Total Inventory Value \$12,345 Total Sales 212 Total Revenue \$2,345

Inventory Overview

Total of Retail products	1,234
Nearly Expired	1,234
Total of In-Store products	1,234
Expired Products	26

Sales Overview

Hair Care	313
Skin Care	22
Make Up	90
Tools	61

77% Total Inventory

Shampoo Conditioner Gel

Top Trend Products

Text	1
Text	2
Text	3
Text	4
Text	5

Lumière

Lumière > Inventory

Inventory

Product list

Register New Product

No.	Name	Brand	Category	Date Added	EXP	Status
1	AAA Conditioner	AAA	Hair Products	02/07/2024	02/07/2024	In Stock
2	BBB Conditioner	BBB	Hair Products	08/03/2024	08/03/2024	In Stock
3	AAA Nail colour	CCC	Nail Products	12/08/2026	12/08/2026	In Stock
4	DDD Sleeping Mask	DDD	Facial Products	02/01/2027	02/01/2027	In Stock
5	EEE Conditioner	EEE	Hair Products	07/11/2023	07/11/2023	Expired
6	FFF Sunscreen	FFF	Facial Products	02/08/2027	02/08/2027	Low Stock
7	GGG Shampoo	GGG	Hair Products	10/06/2025	10/06/2025	In Stock

Search

1 2 ... 5 6 7 >

Settings Sign Out

Lumière

Lumière > Inventory

Inventory

Register New Product

Product list

Search Filter Sort by:

Brand	Product Name	Barcode	Status
Shiseido	Moisturizing Hair Shampoo 500ml	012345678	In Stock
Shiseido	Moisturizing Hair Shampoo 500ml	012345678	In Stock
Shiseido	Moisturizing Hair Shampoo 500ml	012345678	In Stock
Shiseido	Moisturizing Hair Shampoo 500ml	012345678	In Stock
Shiseido	Moisturizing Hair Shampoo 500ml	012345678	In Stock



Design Process

Lumière

Lumière > Inventory > Register New Product

Register New Product

Add to Inventory Add to Product Category

Internal Use Select

Product Information

Product Name:

Brand: Location:

Stock: Low Stock Level:

Unit Price: Barcode Number:

Expiry Date: Period After Opening:

Notes: 0/100

Photos: or drop file here

Notification Settings

Low Stock Alert: Notify when stock is below: Low Stock Level

Expiration Reminder: Notify when expiry date is: Select

CANCEL REGISTER

Settings Sign Out

Lumière

Lumière > Inventory > Register New Product

Register New Product

Add to Inventory Add to Product Category

Internal Use Select

Product Information

Product Name:

Brand:

Location:

Stock: Low Stock Level:

Unit Price: Barcode Number: 012345678910

Expiry Date: Period After Opening: Select

Notes: 0/100

Photos: or drop file here

Notification Settings

Low Stock Alert: Notify when stock is below: Low Stock Level

Expiration Reminder: Notify when expiry date is: Select

CANCEL REGISTER

Lumière

Lumière > Inventory > Product Detail

Brand: Shiseido Internal Use Hair Care

Shiseido Moisturizing Hair Shampoo 500ml

Product Information

Stock	Unit Price	Total Value
80	\$12	\$960

Barcode Number: 012345678910 Location: A-02-D1 Expiry Date: 04 Dec 2025 Period After Opening: 5 Months

Notes:
Country/Region of origin: Japan
A fresh fragrance of a pure bouquet of white flowers, with an herbal note as the accent.

Activity History

Date	User Name	Activity	Quantity Change	Date of Open
02/02/2024 12:05	Adrian Li	Checkout for Service.	-1	02/02/2024
03/02/2024 21:30	Kim	Checkout for Training.	-2	03/02/2024

CANCEL REGISTER

Settings Sign Out

Lumière

Lumière > Inventory > Product Detail

Internal Use Hair Care

Brand: Shiseido

Shiseido Moisturizing Hair Shampoo 500ml

Product Information

Stock	Unit Price	Total Value
80	\$12	\$960

Barcode Number: 012345678910 Location: A-02-D1

Expiry Date: 04 Dec 2025 Period After Opening: 5 Months

Notes:
Country/Region of origin: Japan
A fresh fragrance of a pure bouquet of white flowers, with an herbal note as the accent.

Activity History

Date	User	Activity	Quantity Change
02/02/2024 12:05	Adrian Li	Checkout for Service.	-1
03/02/2024 21:30	Kim	Checkout for Training.	-2



Lumière

Brand Identity

Lumière is a french word means light.

We got the idea of the brand's name and the logo from Lumière, the character from Beauty and the Beast, the manager of the castle.

The alignment of the three oval shapes represents a sense of organization and categorization.

Yellow and orange are cheerful and energetic colour while blue is associated with trustworthiness and reliability, which are perfect for our product approach.

We choose Avenir Next Condensed for our wordmark because of its unique and stylish aesthetic, as well as its clean and minimalist character, which complements our product approach well.



Lumièr



Lumièr

#87BBD7

#F26419

#F5B02C

Aa

Avenir Next Condensed Medium

Aa

Roboto Condensed
for Heading

Aa

Outfit
for Body Content

The Outfit typeface's clean and modern design offers excellent legibility, making it suitable for various purposes, from print to digital media. Additionally, its versatile nature allows for seamless integration across different platforms and applications.

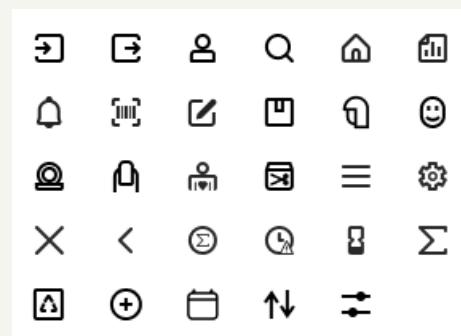
In our User Interface, we meticulously verify color contrast for every color choice to ensure accessibility.

Primary #f5b02c	Secondary #87bbd7
Primary - Dark #a8730f	Secondary - Dark #003c5c
Primary - Light #fcddaa	Secondary - Light #d3e5ed
Primary - button #FDCB2A	Secondary - button #132F3E
Accent #F26419	Body Text #292929

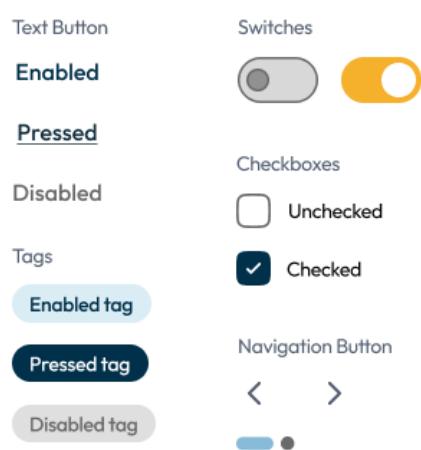
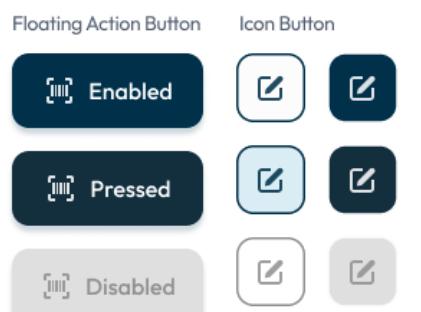
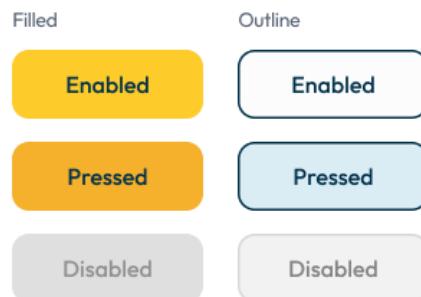


UI Components

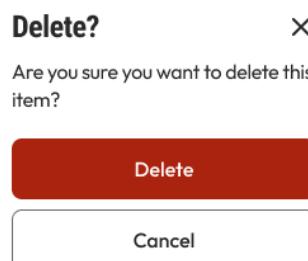
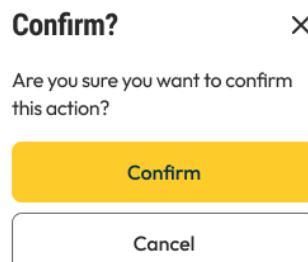
We incorporate rounded corners in our UI components to enhance user-friendly aesthetics. Please feel free to explore all the components on our web application at lumiereapp.ca.



BUTTONS



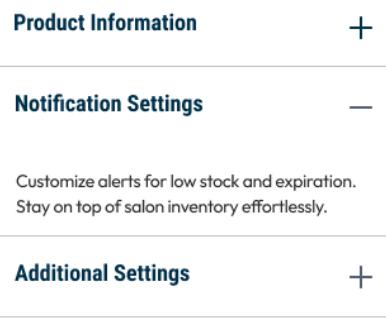
MODAL WINDOW



Tooltips



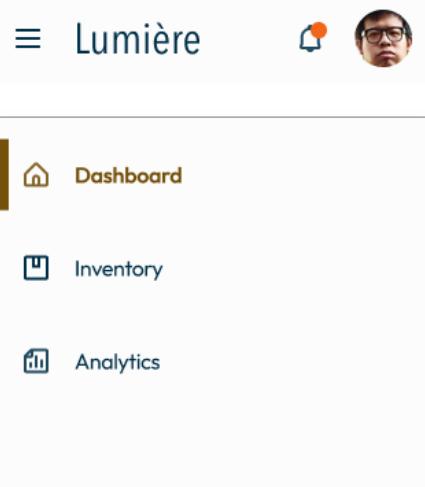
ACCORDION



TABLES

	Brand	Product Name	Barcode	Status
	Shiseido	Moisturizing Hair Shampoo...	012345678910	In Stock
	Shiseido	Moisturizing Hair Shampoo...	012345678910	Low Stock
	Shiseido	Moisturizing Hair Shampoo...	012345678910	Expired
	Shiseido	Moisturizing Hair Shampoo...	012345678910	Wasted

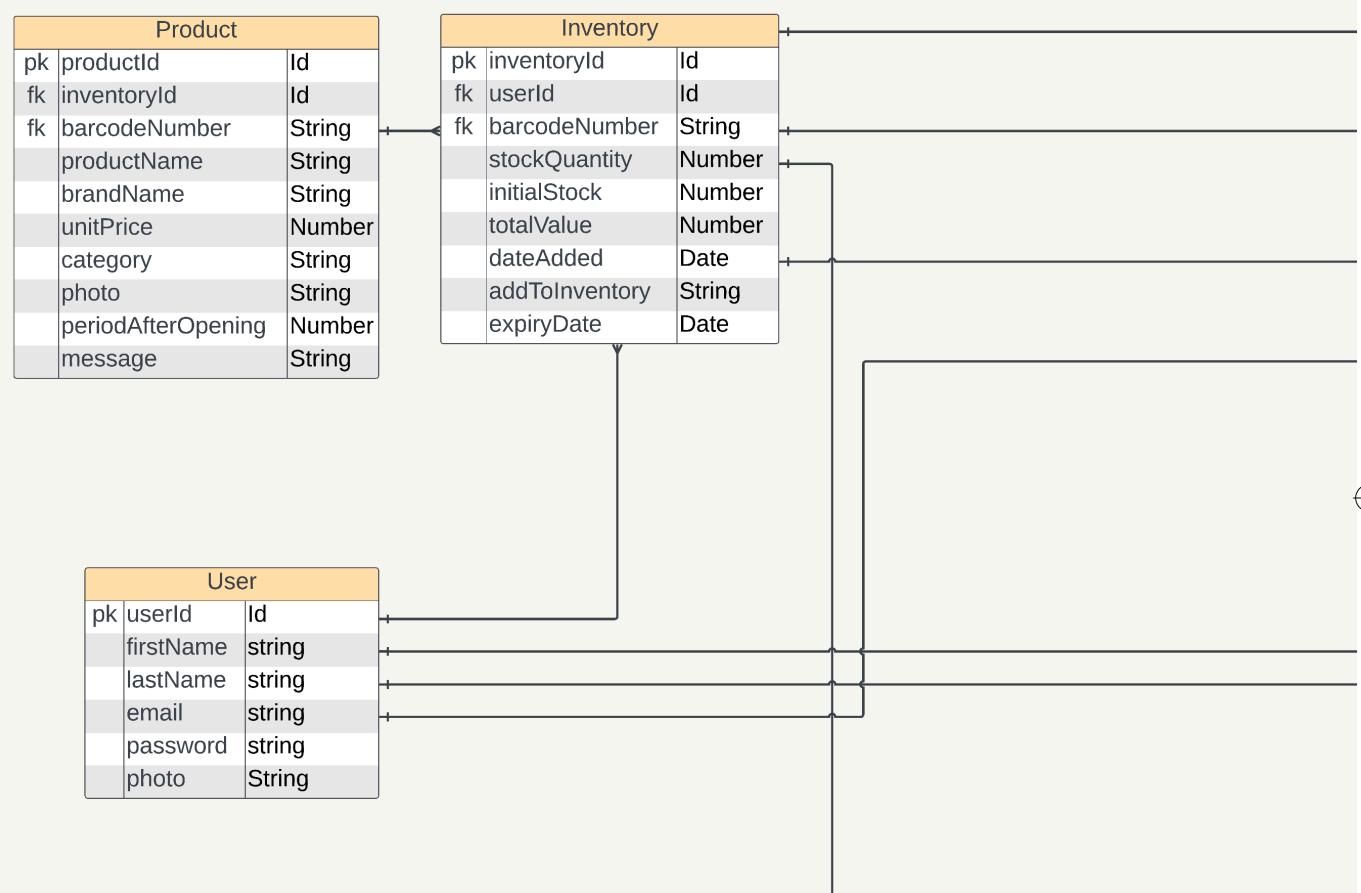
MENUS & NAVIGATION BARS

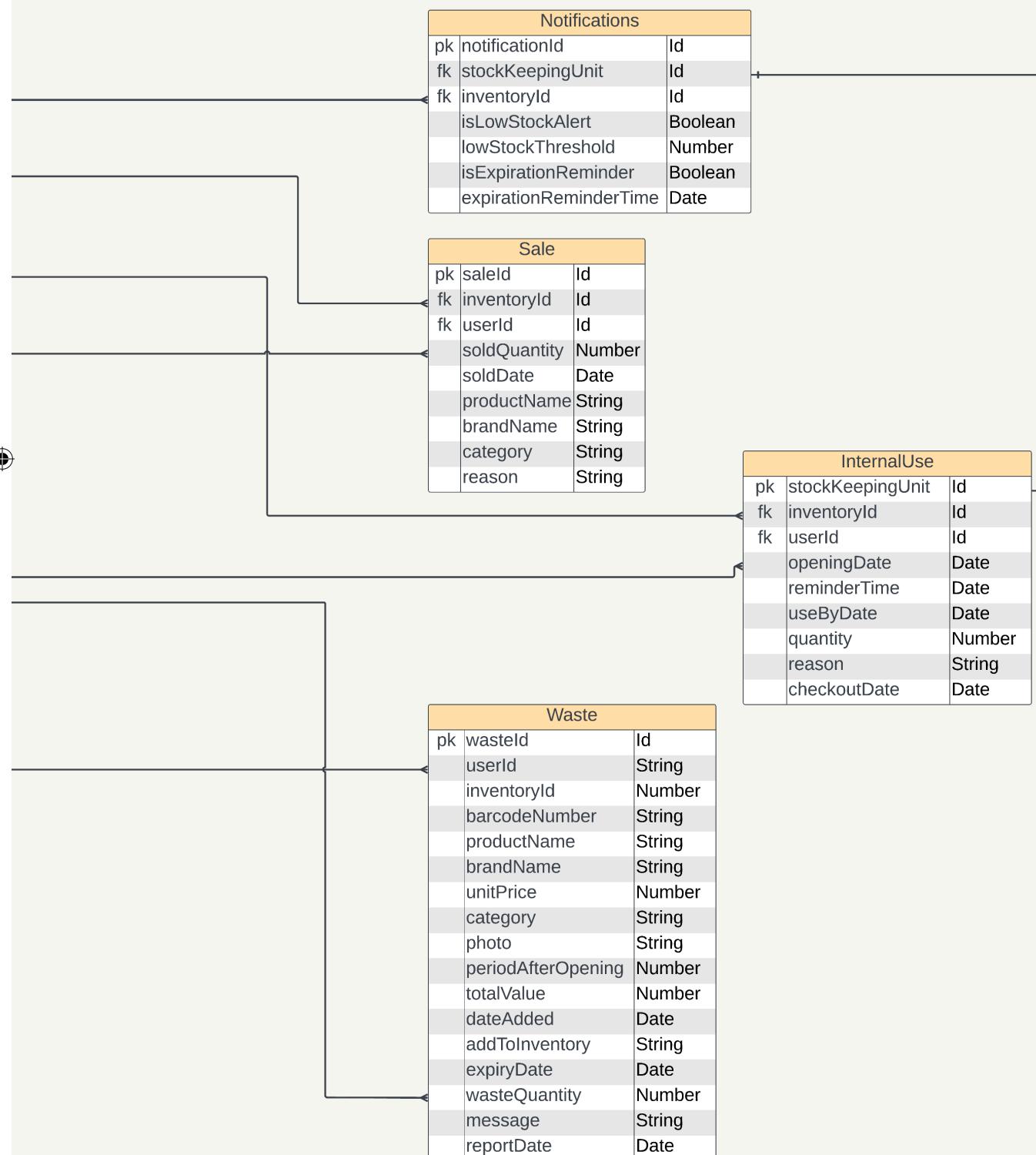




Development Process

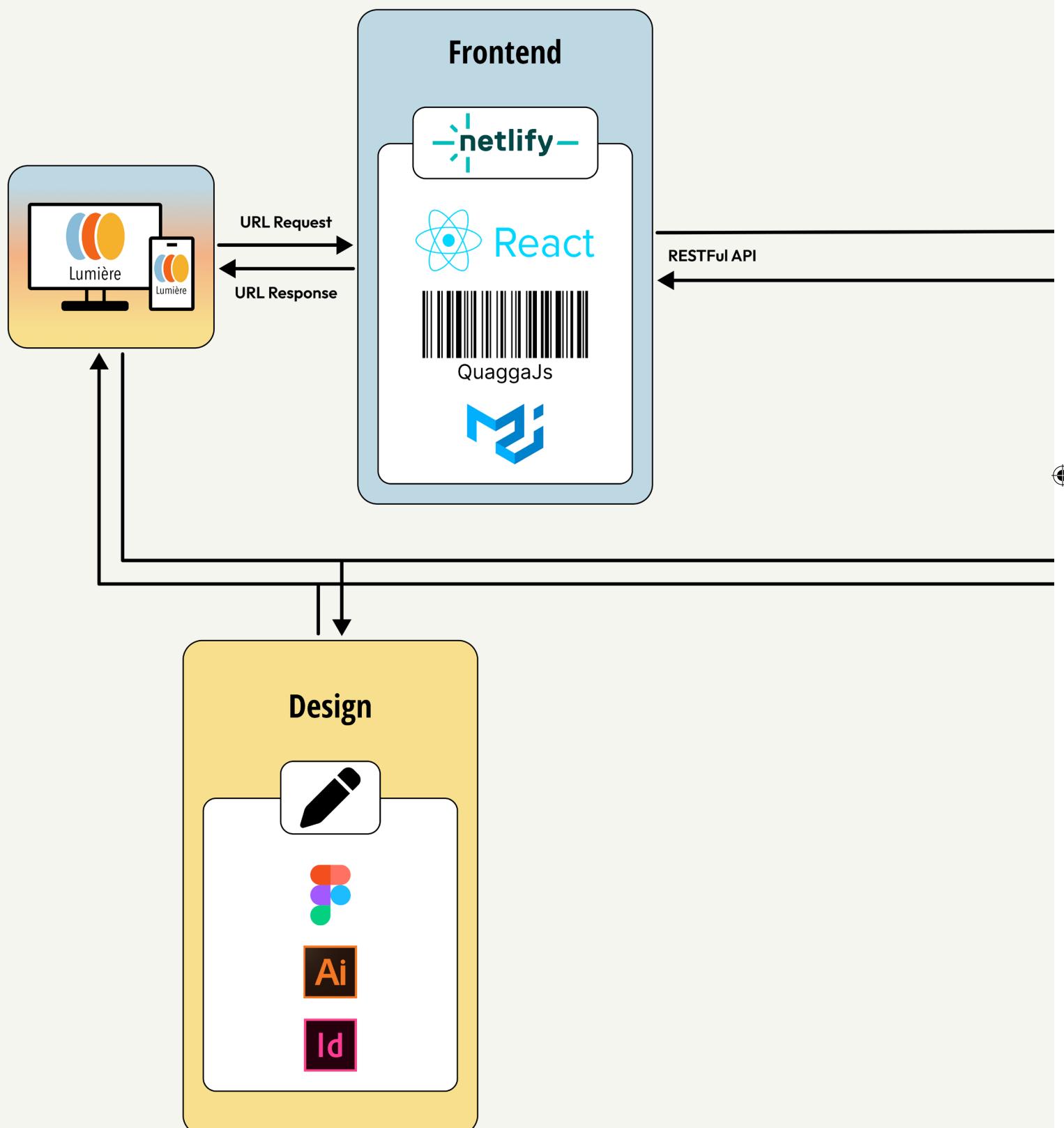
Data Model

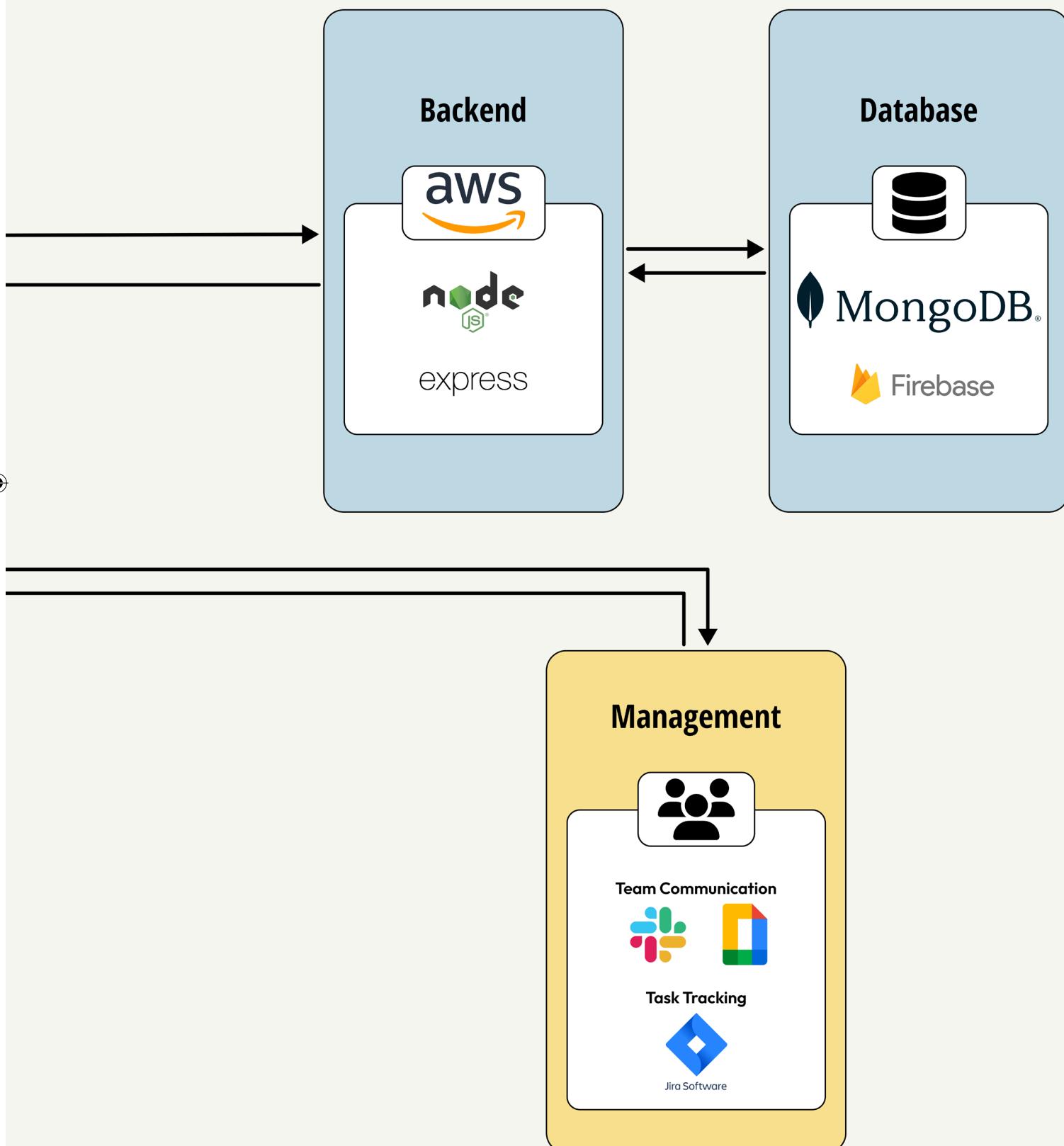






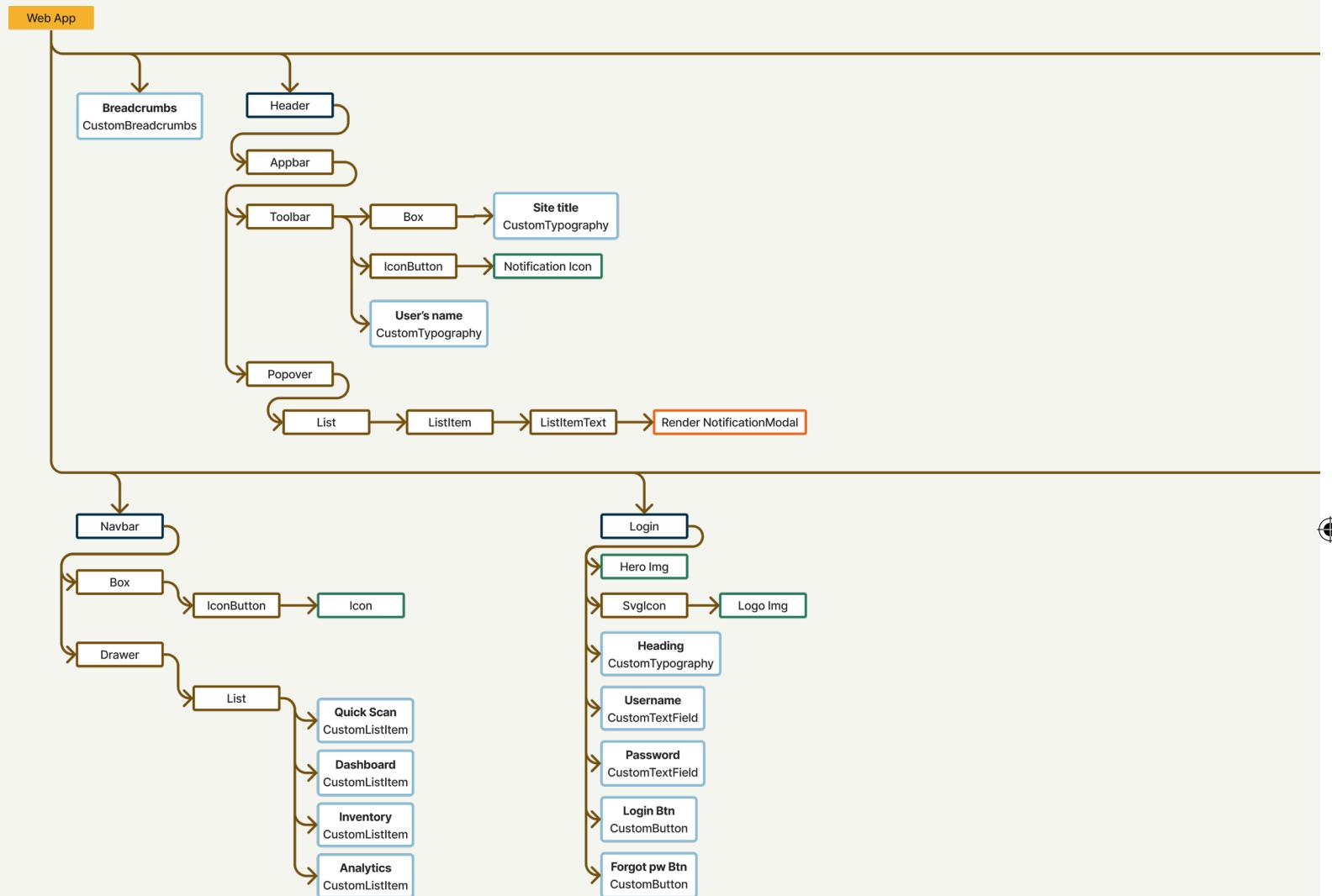
System Architecture

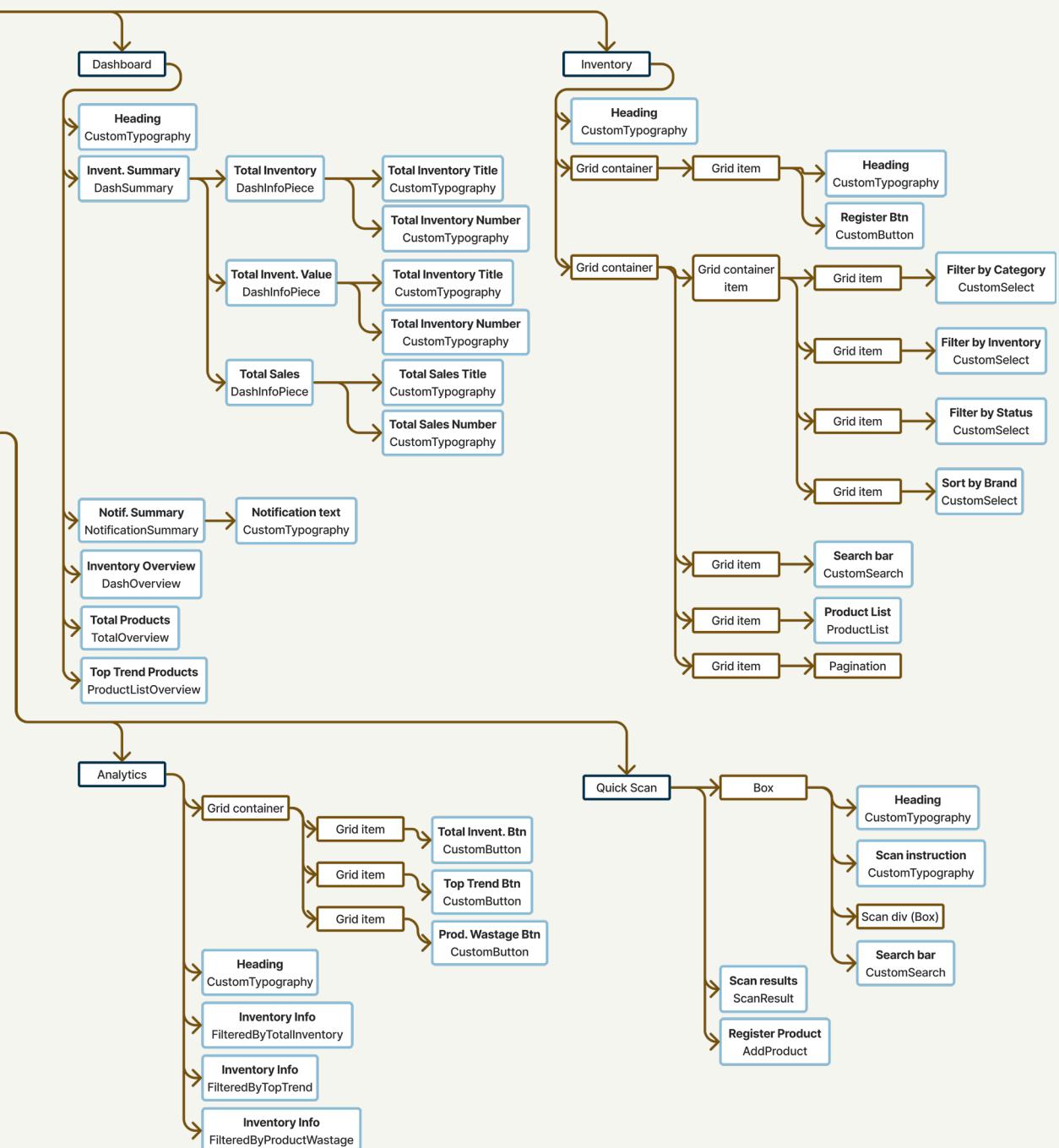






React Component Tree







Design Milestone

Find a problem to solve for project idea and interview people

Week 1

Make a lean canvas and user flow

Week 3

Build desktop wireframe, card sorting, and usability testing

Week 5

Make mobile Mock-ups and UI prototype

Week 7

Choose contents for the project proposal

Week 9

Finish the project proposal, social ad, single page, and presentation script

Week 11

Final Presentation

Week 13

Week 2

Finalize the project idea

Week 4

Build mobile wireframe, paper prototype, and moodboard

Week 6

Create a logo, UI kit, and style tile

Week 8

Make desktop Mock-ups and UI prototype

Week 10

Complete the bug-bash report

Week 12

Finish the presentation slide deck



Development Milestone

Find a problem to solve for project idea and interview people

Week 1

Finalize the project idea

Decide on the system architecture and platform to use

Week 3

Prepare github repo, data model, and development milestone criteria

Create a system design, system structure, and data flow system

Week 5

Finish react component tree back-end configuration

Prepare Issue tracking system and URL setup

Week 7

Finish Barcode scanning and checkout features for the system

Finish authentication, tracking, and notifications features

Week 9

Complete the bug-bash report and alpha demo

Finish analytics feature, export report feature, and styling of the system

Week 11

Beta demo

Final Presentation

Week 13



Team Zodiac

Lumière, developed by Team Zodiac From Langara College, is an innovative solution for salon inventory management. With our shared passion for technology and commitment to excellence, we've crafted a cutting-edge app



Kim David Camaongay
Project Manager, UI/UX Designer

kim-david-camaongay

I'm the friendly helper that guides the team and at the same time tackles the problems of web and mobile application design. With a drive for learning and exploring the problem-solving in design, I would also like to discover new stuff relating to tech and designing.



Cheuk Yan Li (Adrian)
Lead UX Designer, UI Designer

adrian-cheukyan-li

UI/UX Designer with a Creative Media degree and 3 years of project management experience across various platforms, including websites, social media, exhibitions, and events. My focus is on creating engaging and user-centric experiences that leave a positive impact on people and businesses.



Natcha Phaibharamee (Nam)
Lead UI Designer, UX Designer

nphaibharamee

UI/UX Designer with Graphic Design experience. Eagerly explore new things, whether it's picking up new skills, diving into interesting topics, or trying out new experiences.



Hong Ngoc Tran (Celine)
Product Designer

hong-ngoc-tran

As a product designer, I blend design and technology to create innovative solutions, ensuring they meet coding standards. I focus on translating creative ideas into user-friendly interfaces that exceed expectations.



that revolutionizes inventory management for salon owners. Our diverse backgrounds and collaborative spirit have driven us to create a product that exceeds expectations.



Harleen Kaur
Lead Back-end Developer

harleen-kaur

Full Stack Developer skilled in both front-end and back-end technologies, dedicated to crafting seamless digital experiences. Passionate about staying updated with the latest industry trends and technologies to deliver cutting-edge solutions.



Tin Zar Paing
Full Stack Developer

tin-zar-paing

Full Stack Developer who enjoys creating seamless user experiences and robust backend systems. Experienced in front-end, back-end technologies as well as database management to deployment. I enjoy tackling challenges across the entire software development lifecycle.



Maria Beatriz Camargo (Bea)
Front-end Developer

mbeatrizcamargo

A detail-oriented full-stack developer, propelled by curiosity, and adept in customer experience. Continuously pursues innovative solutions tailored to meet the unique requirements of each project.



Greeshma Dharmapalan
Full Stack Developer

greeshma-dharmapalan

Full Stack Developer experienced in web development, adept at both front-end and back-end technologies, ensuring comprehensive solutions for seamless digital experiences. Passionate about integrating the latest trends and technologies to deliver innovative web solutions that exceed expectations.



References

Images

Page 2

https://stock.adobe.com/images/office-employee-working-with-documents-at-table-closeup/251700536?prev_url=detail

Page 3

<https://stock.adobe.com/templates/woman-using-smart-phone-mockup/428855128>

Page 4-5

iPhone® and MacBook Pro® are trademarks of Apple Inc.

<https://developer.apple.com/design/resources/#product-bezels>

Page 7

https://stock.adobe.com/images/group-of-business-workers-standing-together-shaking-hands-at-the-office/328788345?prev_url=detail

Page 8

https://stock.adobe.com/images/three-web-ux-designers-working-together-at-a-busy-desk-with-numerous-mobile-app-wireframe-sketches-and-user-flow-top-view/492751078?prev_url=detail





Created in association with

snəweyət leləm.

THE COLLEGE OF HIGHER LEARNING.

Langara.

THE COLLEGE OF HIGHER LEARNING.

Special thanks to our instructors and advisors

Tomoko Okochi • Jesica Ortega Nava • Ivan Wong

Reza Abbasi • Paul Brassard • Merry Nguyen



