ONLINE SHOP PROJECT

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Background

Due to COVID-19, the client would like to provide an elegant, refreshing, and safe way of sterilization.

New setup

No real store

THE HISTORY OF THE LORA

The Lora is the story of a relationship between a couple, Lora and Philip. A relationship based on mutual inspiration while embracing the diversity of their respective backgrounds and mentalities. The authenticity of this relationship was carried into what in 2020 became The Lora. The vision was to create a niche in the lifestyle industry based on a dualistic approach that combined the two completely different styles. At The Lora, we believe in unifying human relations across physical and cultural borders by defining a visionary lifestyle based on compassion, creativity, and the freedom to aim high - we make premium aromatic.

CLIENT REQUIREMENTS

ONLINE PAYMENT

VISA, Master, Paypal

ADD NEW PRODUCTS BY USER

Self maintain product list

MEMBERSHIP BASE

Marketing, Promotion

CLIENT REQUIREMENTS

COMMENT NOTES

Deploy new item

NEWSLETTER

Promote new product

SALES ANALYSIS

Business strategy

FUNCTIONAL

1. Customers can buy the products through the system.

2. Customer must be registered for membership before the shopping process.

3. Customer must log in with email and authentication with a password.

4. Customers can search for the product with the product name or packaging sizes.

5. Customer must finish the shopping process in the shopping cart.

6. Inventory update by using admin API (CRUD).

PERFORMANCE

SYSTEM UPTIME

99% Uptime

TRANSACTION PROCESS

Within 15s
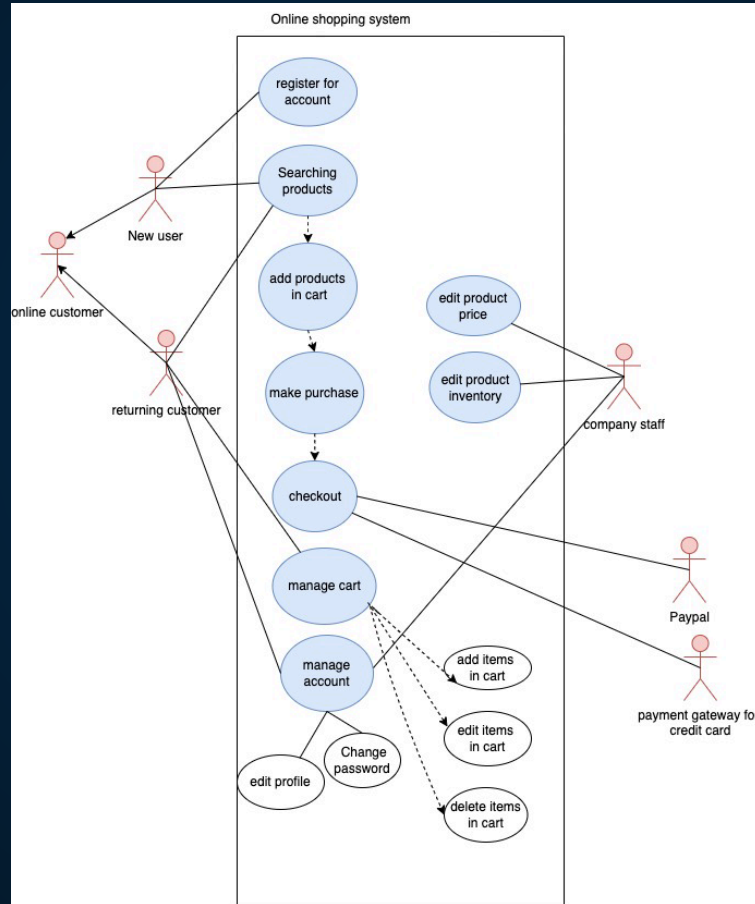
SCALABILITY

Upgrade or Add API

SECURITY

Password encrypted

Session timeout - 30s idle

General Data Protection Regulation

USE CASE DIAGRAM

USE CASE SEQUENCE

Actor	Response
Customer inputs searching parameters	Listing out the products matching the parameters
Customer selects product to view further details	Provide the detailed infomation of selected product
Customer intents to buy the selected product by putting into the basket	Generate the content of basket if the customer logged in successfully.
Customer confirms and checkout	Redirect to payment gateway either credit card or paypal
Customer edits the account profile	Update the changes which the customer made.
Customer changes the password	Update the latest change which the customer made

EVENT TABLE

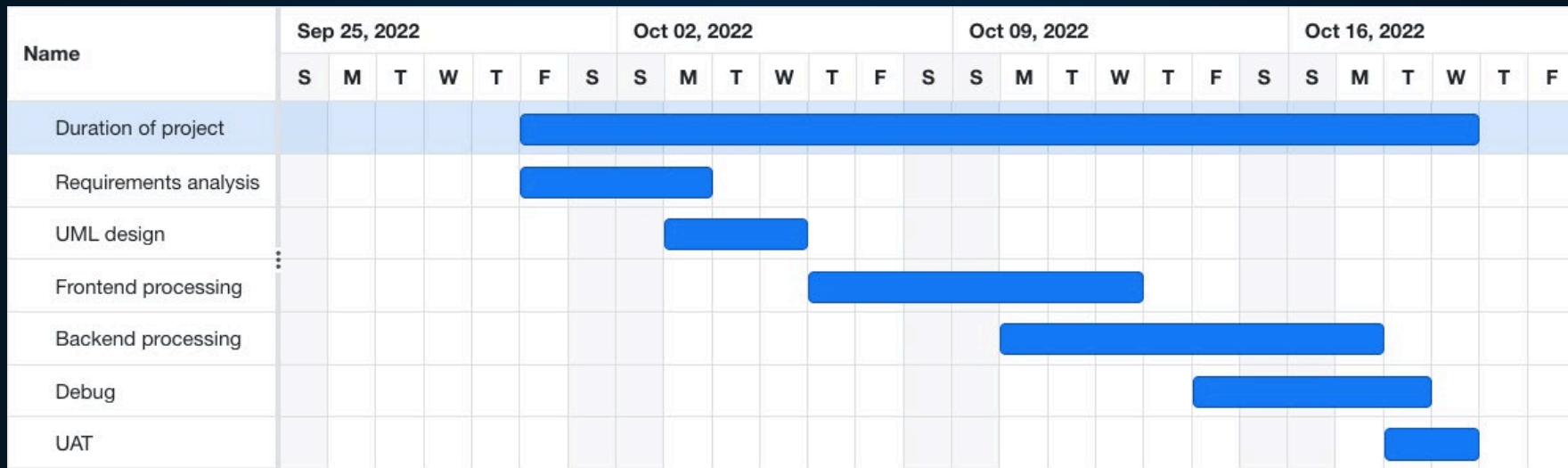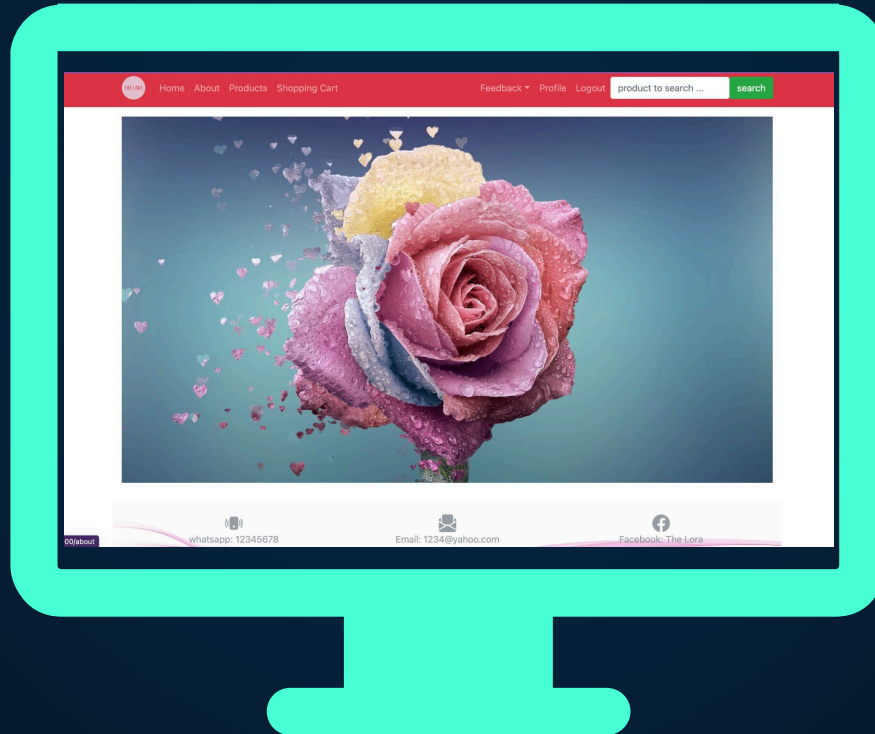| Event Name	Trigger	Source	Activity	Response	Destination
customer login system	login ID and password	customer	authentication for login	main page	customer
visitor creates login	create login ID, password and profile	customer	create login ID, check if the same login ID exists, check password requirements	success message or error message	customer
visitor does registration	name, phone number, email address)	customer	create customer profile	Confimation of registration	cusotmer
customer searching products	products name, products colour	customer	search result is shown	products info page	customer
customer browsing products	request for browsing	customer	provide summary of products	products summary page	customer
edit customer profile	profile amendment	customer	read or update the data in profile	success message	customer
customer adds selected products	products infomation	customer	add products selected	content in cart	customer
customer deletes selected products	products listed in cart	customer	delete products selected	content in cart	customer
customer edits selected products	quantity listed in cart	customer	change the quantity of product selected	content in cart	customer
customer views the cart	request to view the products in cart	customer	show the products in cart	products in cart	customer
customer confirms to buy the products in cart	confirm the order	customer	diverts to payment gateway	payment details	customer
staff edit infomation of products	update product details	staff	product details is edited	edit successfully	staff
amend profile in account	account infomation	staff	update customer infomation	update sucessfully	staff
amend profile in account	account infomation	customer	update customer infomation	update sucessfully	customer
amend password in account	account password	customer	update account password	update sucessfully	customer

MONGO DB MODELING
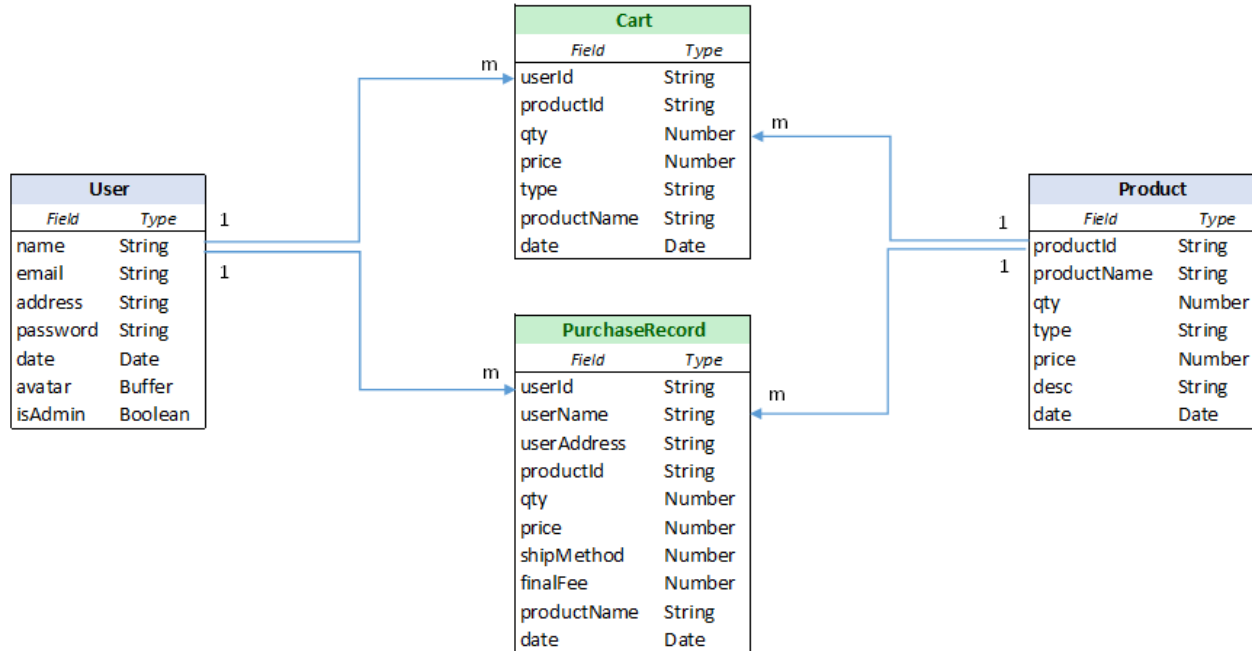
PLATFORM
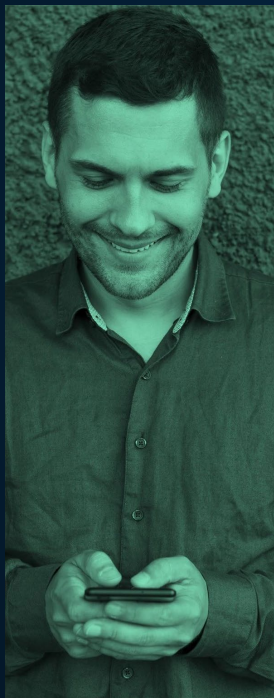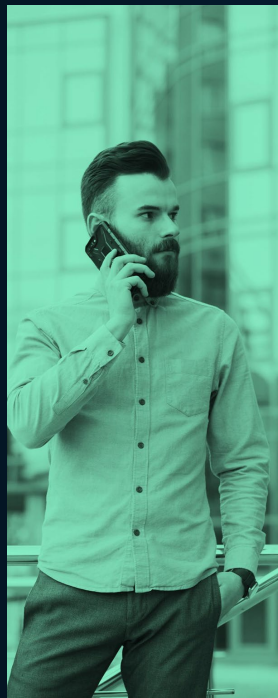Node.js : 16.14.0 + MongoDB : 5.0.11
MODULE
bcryptjs : ^2.4.3   body-parser : ^1.20.0
connect-flash : ^0.1.1   dotenv : ^16.0.1
express : ^4.17.3   express-handlebars : ^6.0.5
express-session : ^1.17.3   kill-port : ^2.0.1
method-override : ^3.0.0   mongoose : ^6.3.0
morgan : ^1.10.0   multer : ^1.4.5-lts.1
ndb : ^1.1.5   passport : ^0.6.0
passport-local : ^1.0.0

OUR TIMELINE

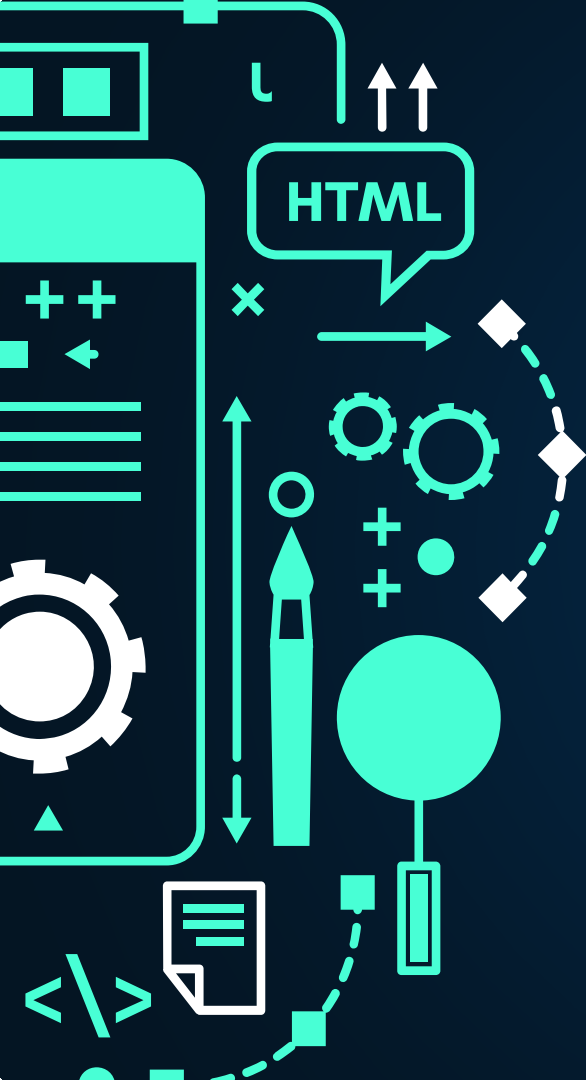| Name	Sep 25, 2022							Oct 02, 2022							Oct 09, 2022							Oct 16, 2022				
	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F
Duration of project						▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬			
Requirements analysis						▬	▬	▬	▬																	
UML design									▬	▬	▬															
Frontend processing												▬	▬	▬	▬	▬										
Backend processing															▬	▬	▬	▬	▬							
Debug																		▬	▬	▬	▬					
UAT																							▬	▬		

SNEAK PEEK

THE TEAM

Philip Huen(4)

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THANKS!

If you have any further queries, please do not hesitate to contact us.

CREDITS

- Tutor : Aaron WAI