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Documentation and Reporting

Project Title : Ignite Perfume Web Application

1. Technical Report

1.1 System Design

Ignite Perfume is a complete online shopping website made to give people a simple method for looking at, buying, and taking care of their perfume purchases online. The setup has three important parts:

Frontend (React.js): Takes care of what the user sees and does. People can look through perfumes, see specifics, handle their shopping cart, and make purchases. Admins can sign in to handle products.

Backend (Node.js & Express): Gives tools for signing in, handling products, shopping carts, and checking out. It works as a connection between what the user sees and the database.

Database (MongoDB): Keeps information on people, products, and orders. It is a certain type of database that is good for growing and changing easily.

1.2 System Architecture Diagram

1.3 Implementation Highlights

User Features:

Look through perfumes (with info, cost, and pictures).

Put perfumes in a cart and then pay for them.

Users can sign up for accounts and sign in.

Admin Features:

Add, change, remove, and handle products.

Keep track of what customers order.

Security:

Use of JWT token to make logins safe.

Passwords kept safe through encryption.

UI/UX:

Simple design that adjusts to fit screens, using Tailwind CSS.

1.4 Key Outcomes

A perfume selling website that works and can grow.

Easier way to buy perfumes using computers and the internet.

Good match with today's computer tech (React.js, MongoDB, Cloud hosting via Vercel).

2. User Guide

2.1 Starting Up

Go to the website: <https://igniteperfume.vercel.app/>

Make a new profile or sign in with your current info.

Look at different scents on the main page or list of items.

2.2 How to Operate

Look at Items: Tap a scent to read more (cost, scent group, what it smells like).

Put in Cart: Pick "Add to Cart" and see what is in your cart.

Pay: Head to the cart, put in info, and say yes to buy.

User Profile:

See your info and what you have bought.

Change your profile details.

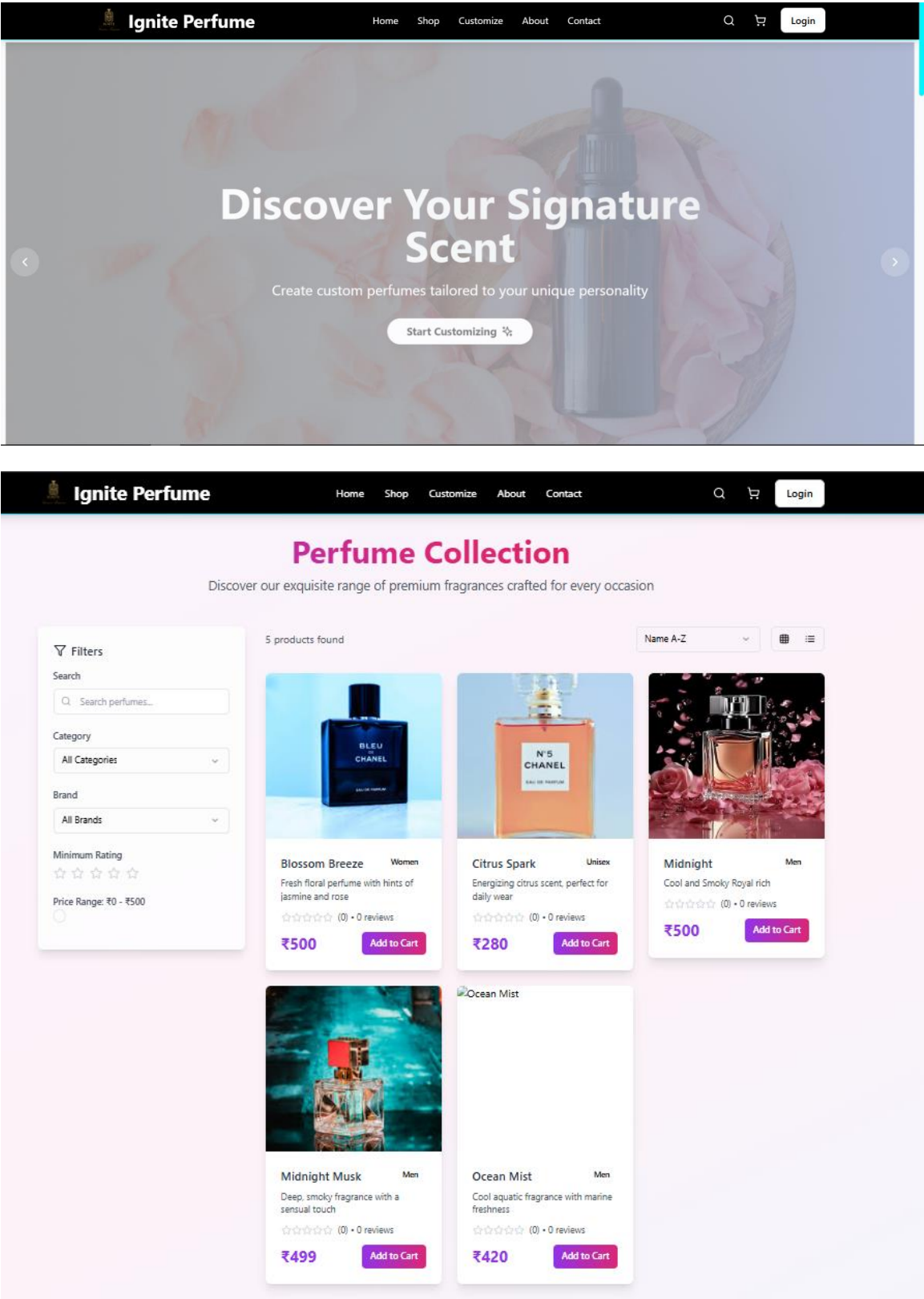
Admin Controls (just for admins):

Put up new scents with names, cost, and info.

Change or take off scents.

Watch customer buys.

2.3 Screenshot Flow



Our Story

Crafting unique fragrances that capture the essence of individuality

Our Mission

At Ignite Perfume, we believe that fragrance is the most intimate form of self-expression. Our mission is to create exceptional, personalized scents that tell your unique story and ignite your confidence.

Founded in 2020 by a team of passionate perfumers and fragrance enthusiasts, we combine traditional craftsmanship with modern innovation to deliver luxury fragrances that are both timeless and contemporary.



Our Values

The principles that guide everything we do



Excellence

We're committed to using only the finest ingredients and maintaining the highest standards in every aspect of our work.



Passion

Our love for fragrance drives us to create scents that evoke emotions and create lasting memories.



Sustainability

We're dedicated to ethical sourcing and environmentally responsible practices in all our operations.

Meet Our Team

The talented individuals behind every fragrance



Hency Depani
Master Perfumer

With over 15 years of experience in luxury fragrance creation, Hency leads our scent development team.



Jerril Vaghaniya
Creative Director

Moves from conceptual design and brand vision to create unforgettable fragrance experiences.




Bhumika Makwana
Fragrance Consultant

Guides large customers through their product wants through personalized consultation and expertise.






Prashant Sarvaiya
Quality Assurance

Ensures every bottle meets our highest quality standards before reaching our customers.





 Ignite Perfume

[Home](#) [Shop](#) [Customize](#) [About](#) [Contact](#)

   Hency

Create Your Signature Scent

Design a unique fragrance that reflects your personality. Choose from premium ingredients to create your perfect scent combination with our expert perfumers.

Choose Concentration

Select Concentration Level

Eau de Toilette (15%)
Light and fresh, perfect for daily wear


Eau de Parfum (20%)
Balanced intensity, suitable for most occasions

Parfum (25%)
Rich and long-lasting, for special moments

Previous

Next

Your Custom Perfume



ice
50ml - Eau

Top Notes
Bergamot

Middle Notes
Jasmine

Base Notes
Cedar

Base Price

Notes

Concentration

Bottle Size

Total

₹150.00

₹300.00

₹320.00


₹500.00

₹770.00




1.3x

1x

₹1,651.00





 Ignite Perfume

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   Hency

Create Your Signature Scent

Design a unique fragrance that reflects your personality. Choose from premium ingredients to create your perfect scent combination with our expert perfumers.

Select Notes

Build Your Fragrance Pyramid

Top Notes

Middle Notes

Base Notes

Top Notes (1/3)
First impression - fresh and light (lasts 15-30 minutes)

Bergamot
Citrusy and fresh
Intensity: ●●●●●●●●●●

Lemon
Bright and zesty
Intensity: ●●●●●●●●●●


Lavender
Floral and calming
Intensity: ●●●●●●●●●●

Mint
Cool and refreshing
Intensity: ●●●●●●●●●●

Previous

Next

Your Custom Perfume



ice
50ml - Eau

Top Notes
Bergamot

Middle Notes
No notes selected

Base Notes
No notes selected

Base Price

Notes

Concentration

Bottle Size

Total


₹150.00

₹150.00




1.3x

1x

₹845.00





**Ignite Perfume**

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   Hency


Create Your Signature Scent

Design a unique fragrance that reflects your personality. Choose from premium ingredients to create your perfect scent combination with our expert perfumers.


   

Select Bottle Size


Choose Your Bottle Size



30ml - Travel Size
0.8x Price



50ml - Standard
Standard Price




100ml - Premium
1.8x Price

Previous

Add to Cart - ₹1,651.00

Your Custom Perfume



ice
50ml - Eau

Top Notes

Bergamot ₹150.00

Middle Notes

Jasmine ₹300.00

Base Notes

Cedar ₹320.00


Base Price ₹500.00

Notes ₹770.00




Concentration 1.3x

Bottle Size 1x

Total ₹1,651.00


**Ignite Perfume**

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   Hency

Shopping Cart

2 items in your cart





Blossom Breeze

-

1

+

₹500.00 




Citrus Spark

-

1

+

₹280.00 

Order Summary

Subtotal ₹780.00


Shipping Free

Tax ₹62.40




Total ₹842.40

Proceed to Checkout

Continue Shopping

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   Hency


Checkout


Complete your order


Contact Information

Shipping Address


Payment Method

 Debit Card


 Online Payment

 Cash on Delivery

Order Summary

 **Blossom Breeze**
Qty: 1

\$500.00

 **Citrus Spark**
Qty: 1

\$280.00

Subtotal

\$780.00

Shipping

Free

Tax


\$62.40

Total




\$842.40

Place Order

By placing your order, you agree to our Terms of Service and Privacy Policy.

 **Ignite Perfume**

[Home](#) [Shop](#) [Customize](#) [About](#) [Contact](#)

   Hency


Checkout


Complete your order


Contact Information

Shipping Address


Payment Method

 Debit Card


 Online Payment

 Cash on Delivery

Order Summary

 **Blossom Breeze**
Qty: 1

\$500.00

 **Citrus Spark**
Qty: 1

\$280.00

Subtotal

\$780.00

Shipping

Free

Tax

\$62.40

Total


\$842.40

Placing Order...




By placing your order, you agree to our Terms of Service and Privacy Policy.

igniteperfume.vercel.app says
Order placed successfully! You will receive a confirmation email shortly.

OK


**Ignite Perfume**


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   Admin


Admin Dashboard


Welcome back, Admin

 Dashboard










 Products


 Orders

 Customize Orders




 Users

Customize Orders

ID	Name	Bottle Size (ml)	Concentration (%)	Total Price	Date	Actions
#68d4eafc3f3d6512601e27a6	ice	50	20	₹1651	2025-09-25	
#68d4eae3f3d6512601e27a4	ice	50	20	₹1651	2025-09-25	
#68d23ac505747af7e20a7b3c	vivek	50	15	₹1510	2025-09-23	
#68d23af05747af7e20a7b35	bakajiki	100	25	₹3686.4	2025-09-23	
#68d22b5dba1f21ed0c232cf3	Real	50	20	₹1859	2025-09-23	
#68d0f0798b72c1f03c841d13	greenwood	100	25	₹3513.6	2025-09-22	
#68d0d4b57721613d0fe6f28a	Henshi	50	25	₹2032	2025-09-22	
#68d0d4ad7721613d0fe6f288	Henshi	50	25	₹2032	2025-09-22	
#68d0ccd31e66a192024eaf98	Jenil nu sugandh	100	15	₹3816	2025-09-22	


**Ignite Perfume**


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   Admin


Admin Dashboard


Welcome back, Admin

 Dashboard























 Products

 Orders

 Customize Orders

 Users

Users Management

Name	Email	Role	Join Date	Orders	Actions
harshvardhan soni	harshvardhan.soni119516@marwadiuniversity.ac.in	<div>user</div>	2025-09-23	0	 
vraj	ssd@gmail.com	<div>user</div>	2025-09-23	1	 
esg	fbdsfs	<div>user</div>	2025-09-23	1	 
vivek	viveksinhchavda@gmail.com	<div>user</div>	2025-09-23	2	 
Hit Rachhadiya	hitrachhadiya@gmail.com	<div>user</div>	2025-09-23	2	 
UMUTONI JUSTINE	umutonijustine1@gmail.com	<div>user</div>	2025-09-23	1	 
Niv	niv@gmail.com	<div>user</div>	2025-09-23	0	 
Chirag	vaghasiyachirag2001@gmail.com	<div>user</div>	2025-09-22	1	 
Hency	hency@gmail.com	<div>user</div>	2025-09-22	2	 
Bhumika	bhumika.makwana119737@marwadiuniversity.ac.in	<div>user</div>	2025-09-22	0	 
Harshil Vadher	harshil.vadher119694@marwadiuniversity.ac.in	<div>user</div>	2025-09-22	0	 

My Orders

Track and manage your perfume orders

Order ORD-2025-1758548284

Placed on 9/22/2025 • ₹780.00

🕒 Processing

🔗 View Details



Blossom Breeze
Qty: 1



Citrus Spark
Qty: 1

Order ORD-2025-1758527297

Placed on 9/22/2025 • ₹499.00

✅ Delivered

🔗 View Details



Midnight Musk
Qty: 1

Order ORD-2025-1758523472

Placed on 9/22/2025 • ₹1497.00

🕒 Processing

🔗 View Details



Midnight Musk
Qty: 3

My Profile

View your account information

Account Details

Name

Jenil

Email

vaghasiyajenil29@email.com

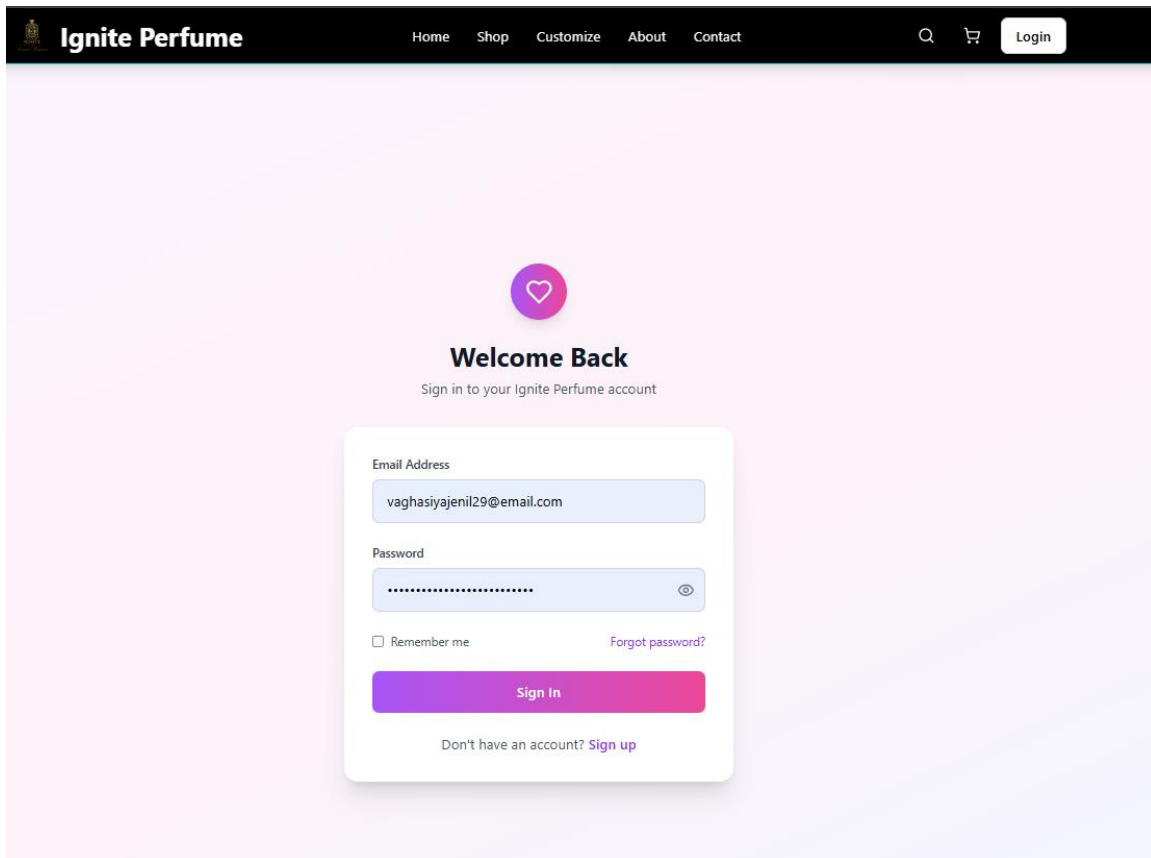
Role

User

User ID

68d0de04b0ddd82865361c46

Looking to add more details (address, phone, etc.)? We can extend this page to fetch your full profile from the backend once the endpoint is available.



2.4 Fixing Problems

Can't sign in: Be sure you're using the right email and password. If there is one, try the "Forgot Password" option.

Items not changing in cart: Reload the website; if it's still not working, make sure you're connected to the internet.

Can't see admin tools: Only those with admin access can view the choices for handling products.

3. Code Documentation

3.1 Codebase Overview

/frontend

/components → Reusable UI components (Navbar, ProductCard, CartItem)

/pages → Main pages (Home, ProductDetails, Cart, Checkout, AdminPanel)

/utils → Helper functions and services

/backend

/controllers → Handle logic (ProductController, UserController, CartController)

/routes → Define API endpoints

/models → MongoDB schemas (User.js, Product.js, Order.js)

/middleware → Authentication (AuthMiddleware.js)

/config → Database connection

3.2 Key Modules & Functions

- **ProductController.js** – Fetch, add, update, and delete perfumes.
- **CartController.js** – Manage user cart (add/remove items, checkout).
- **AuthMiddleware.js** – Validate user tokens and restrict admin features.

- **UserController.js** – Handle user signup, login, and profile management.

3.3 Dependencies

- **Frontend:**

```
"@radix-ui/react-dialog": "^1.1.15",  
"@radix-ui/react-dropdown-menu": "^2.1.16",  
"@radix-ui/react-select": "^2.2.6",  
"@radix-ui/react-slider": "^1.3.6",  
"@radix-ui/react-tabs": "^1.1.13",  
"@radix-ui/react-toast": "^1.2.15",  
"class-variance-authority": "^0.7.1",  
"clsx": "^2.1.1",  
"framer-motion": "^12.23.12",  
"lucide-react": "^0.344.0",  
"react": "^18.3.1",  
"react-dom": "^18.3.1",  
"react-router-dom": "^7.6.3",  
"tailwind-merge": "^3.3.1"
```

- **Backend:**

```
"bcryptjs": "^2.4.3",  
"cors": "^2.8.5",  
"dotenv": "^16.4.5",  
"express": "^4.19.2",
```

"jsonwebtoken": "^9.0.2",

"mongoose": "^8.6.0",

"morgan": "^1.10.0"

- **Database:** MongoDB.