

CAFÉ FAUSSE

A photograph of a restaurant interior at night. The scene is dimly lit, with warm light from the restaurant's interior and the city lights visible through large windows in the background. In the foreground, a bottle of wine stands on a table covered with a white cloth, surrounded by several glasses of white wine. Other tables are visible in the background, also set for dining.

LADONNA STEPHENS

A Full-Stack Restaurant Web App

Café Fausse

Home Menu Reservations About Gallery

Reserve a Table

Date & Time: mm/dd/yyyy --:-- -- Guests: 2

Name: Email: Phone (optional):

Book Now

We have 30 tables per time slot. If a time is fully booked, please try another.

Café Fausse
1234 Culinary Ave · Suite 100 · Washington, DC 20002 · (202) 555-4567

Menu

Starters

Bruschetta \$8.50
Fresh tomatoes, basil, and olive oil on toasted baguette.

Caesar Salad \$9.00
Crisp romaine with house Caesar and shaved parmesan.

Join Our Newsletter

New menus, exclusive tastings, and special events—delivered occasionally.

Full name: Email address:

Phone (optional): **Subscribe**

Hours
Mon–Sat: 5:00PM – 11:00 PM
Sun: 5:00 PM – 9:00 PM

Address
1234 Culinary Ave
Suite 100
Washington, DC 20002

Phone
(555) 123-4567

About Café Fausse

Founded in 2010 by Chef Antonio Rossi and restaurateur Maria Lopez, Café Fausse blends traditional Italian flavors with modern culinary innovation. Our mission is to provide an unforgettable dining experience that reflects both quality and creativity.



Chef Antonio Rossi

Trained in classic Italian kitchens and inspired by contemporary technique, Chef Rossi's cooking honors regional traditions while embracing seasonal creativity. His menus showcase handcrafted pastas, pristine seafood, and elegant plating—balancing comfort and refinement in every course.



Gallery

All Location Dishes Catering Behind The Scenes founders

Location





PROJECT OVERVIEW

- Café Fausse blends traditional Italian flavors with modern innovation — just like this project blends elegant design with modern tech.
- Goal: deliver a responsive, database-driven site demonstrating professional full-stack implementation.
- Core Pages: Home | Menu | Gallery | Reservations | Newsletter | About | Admin.

The collage includes the following elements:

- Top Left:** Home page featuring a "Reserve a Table" form with fields for Date & Time, Guests, Name, Email, and Phone (optional), along with a "Book Now" button.
- Top Center:** A newsletter sign-up form titled "Join Our Newsletter" with fields for Full name, Email address, and Phone (optional), and a "Subscribe" button.
- Top Right:** A contact section with hours (Mon-Sat: 5:00PM – 11:00 PM, Sun: 5:00 PM – 9:00 PM), address (1234 Culinary Ave, Suite 100, Washington, DC 20002), and phone number ((555) 123-4567).
- Middle Left:** A "PROJECT COMPLETE" banner with the text "WEB APPLICATION & INTERFACE DESIGN".
- Middle Center:** A "Menu" section showing "Starters" like "Bruschetta" (\$8.50) and "Caesar Salad" (\$9.00) with descriptions and small images.
- Middle Right:** A "Gallery" section with tabs for All, Location, Dishes, Catering, Behind The Scenes, and founders, showing thumbnail images of the restaurant's exterior and interior.
- Bottom Left:** A "Location" section showing thumbnail images of the restaurant's exterior and interior.

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ARCHITECTURE & TECHNOLOGY STACK

Frontend:

React (Vite)
Modular components
Responsive UI

Tools:

VS Code
Postman
Canva Pro (assets)
GitHub

Backend:

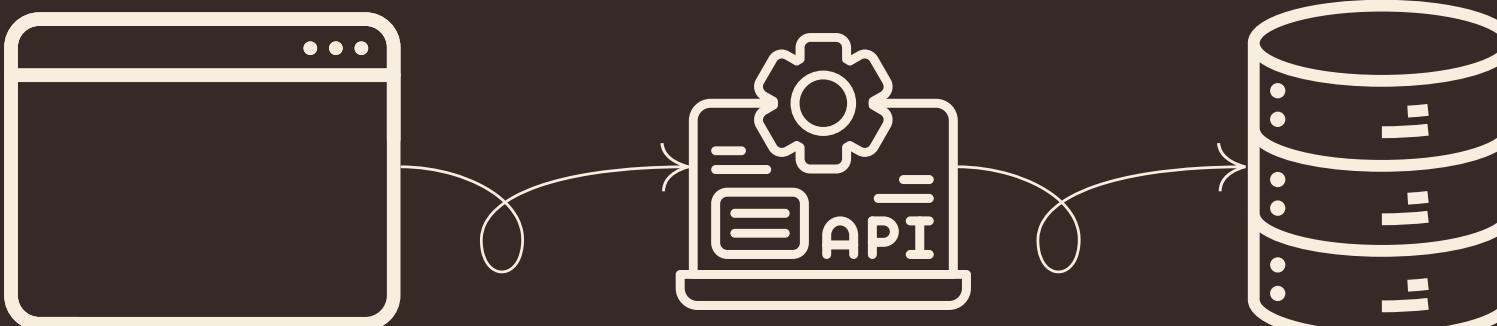
Flask (API)
+ SQLAlchemy ORM

Deployment:

Frontend → Netlify
Backend → Render

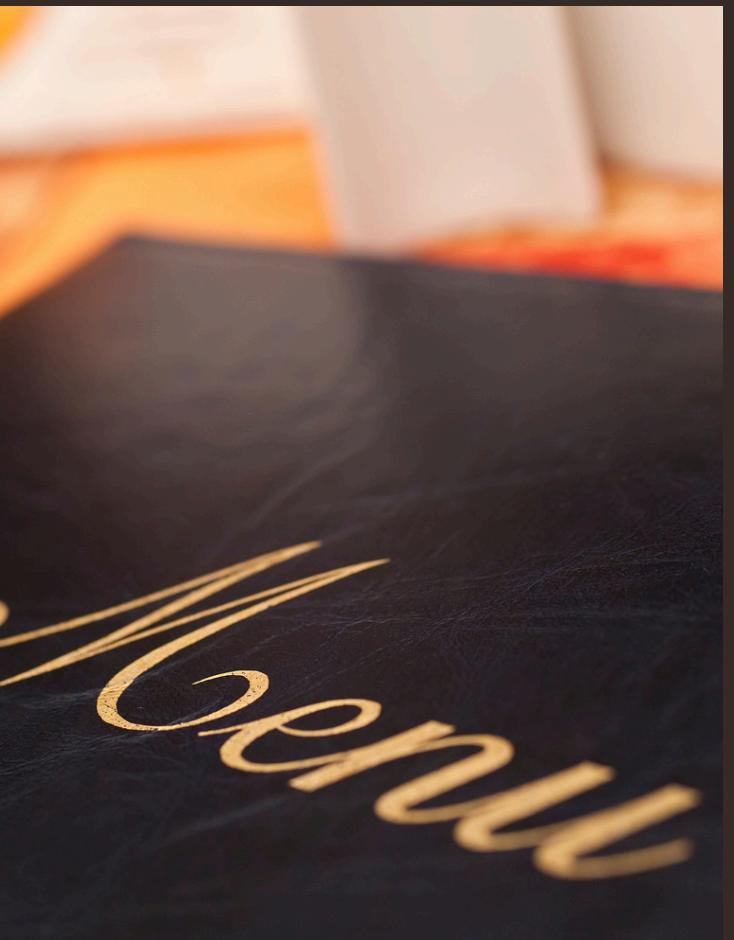
Database:

PostgreSQL
(Render hosted)



FUNCTIONAL REQUIREMENTS

- **Homepage:** Hero image + CTA “Reserve a Table.”
- **Menu:** Stacked layout using Bilbo Swash Caps font.
- **Gallery:** Filterable by Dishes / Catering / Location / Behind the Scenes.
- **Reservations:** Validates and stores data in PostgreSQL.
- **Newsletter:** Simple subscription form with input validation.
- **About:** Founders’ bios + restaurant mission.
- **Admin:** View customers and reservations (grouped by day and time).



IMPLEMENTATION DECISIONS

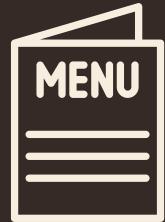


Area	Implementation	Why it Works
Backend Framework	Flask + SQLAlchemy	Lightweight & Pythonic ORM
Frontend Build	Vite (React)	Fast dev cycle, modern tooling
DB Integration	PostgreSQL	Reliable & Render-hosted
Styling	CSS modules + custom fonts	Clean, brand-consistent look
Security	.env vars + Admin token	Safe credentials & restricted access
Testing Data	Seed routes (5-11 PM slots)	Predictable demo scenarios

KEY FEATURES & DEMO HIGHLIGHTS



Responsive Design - desktop, tablet, mobile.



Dynamic Menu - photos and descriptions.



Gallery Filter - category-based organizations.



Reservations - validation + table availability logic.



Newsletter - API-connected form.



Admin Dashboard - grouped reservations & customer records.

DEPLOYMENT, TESTING & TOOLING

Frontend

<https://cafe-fausse-ls.netlify.app>

Backend

<https://quantic-msse-webapp-interface-design.onrender.com>

Database

Render PostgreSQL (connected via SQLAlchemy)

Seeding

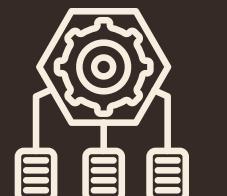
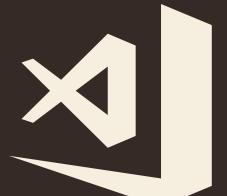
/api/admin/seed creates demo data (5–11 PM reservations)

Local Testing

.env.sample for safe config setup

Tooling & Validation

Postman (API tests) · ChatGPT for debugging · VS Code for development · GitHub for version control



CLOSING AND REFLECTION

- Completed all Functional and Non-Functional.
- Demonstrates modern full-stack architecture and secure deployment.
- Future Enhancements:
 - Authenticated admin login
 - Advanced analytics or menu management
- Thank You!
 - LaDonna Stephens • [GitHub](#)

