



CRAFTING HAPPINESS

BREWHOUSE

www.brewhouse.com

Introduction:

In the digital era, online platforms have revolutionized the way people interact with businesses, including the food and beverage industry. Coffee shops, which once relied solely on walk-in customers, are now increasingly adopting digital systems to enhance customer experience and streamline operations. The demand for quick, personalized, and convenient services has led to the rise of smart café web applications that allow users to browse menus, place orders, and receive updates instantly from the comfort of their devices.



BrewHouse :

BrewHouse: A Smart Café Web Application is designed to provide an intuitive and efficient online ordering experience for coffee enthusiasts. The system enables users to log in securely using either traditional credentials or One-Time Password (OTP) verification, browse through a visually appealing menu with real product images, add items to a dynamic shopping cart, and view their past orders. The integration of modern technologies such as HTML, CSS, JavaScript, and Firebase ensures responsiveness, interactivity, and secure user authentication.

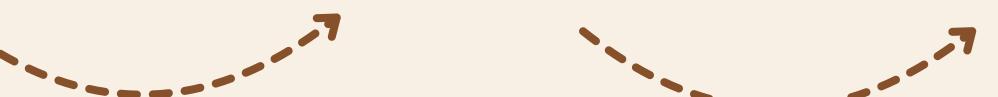
The application also features an interactive Google Map that helps customers locate the café easily, along with an attractive “Offers” section that displays promotional deals every time the user visits. The user interface is developed with a dark, premium theme inspired by modern café designs, providing both elegance and simplicity.

By implementing this system, BrewHouse aims to bridge the gap between customers and café services, offering an engaging online platform that reflects a real-world coffee shop experience. It not only enhances customer satisfaction but also increases operational efficiency, making it a practical and scalable solution for small to medium café businesses.



Objective :

- To design a user-friendly and responsive coffee shop website.
- To implement a secure login system with OTP verification.
- To manage online orders, cart, and order history for each user.
- To provide location and contact information with a real-time map.
- To create a visually appealing dark-themed modern interface.



Features

- Login with OTP (Firebase Ready)
- 🍵 Dynamic Menu with real item photos
- 🛒 Cart System with live total and quantity update
- 📁 My Orders Section – stores and displays past orders
- 🎉 Contact Page with map and BrewHouse email
- 🎉 Offer Banner – “Flat 20% off on Cappuccino Today!”
- 🌙 Dark Premium Theme – Modern Starbucks look
- 💬 Animated Transitions for each section



Technologies Used:

Frontend:

HTML5, CSS3, JavaScript (ES6)

Backend (Future ready):

Firebase for Auth & Storage

UI Libraries:

Tailwind CSS (optional)

Tools Used:

VS Code, Chrome Developer Tools

Hosting (Optional):

GitHub Pages



System Architecture:



Workflow:

- User logs in (password or OTP)
- Home page loads → Offer shown
- Menu displayed → Items added to Cart
- Checkout → Order saved to “My Orders”
- Orders persist using localStorage
- Contact page integrates Google Maps

Output: LOGIN

The screenshot shows a web browser window with the URL `C:/Users/ASUS/Desktop/coff.html` in the address bar. The page is a login screen for a website called **BrewHouse**, which is described as "Crafting Happiness". The main heading on the page is **Freshly Brewed. Perfectly Served.**. Below it, a sub-instruction reads: "Sign in to place orders, save your cart, and get directions to BrewHouse at MIT-WPU." A sign-in form is present, with the "Username" field containing "admin" and the "Password" field containing "1234". There are two buttons at the bottom left of the form: a yellow "Sign In" button and a white "Auto-fill" button. A note below the form says "For demo: admin / 1234.". On the right side of the page, there is a "Visit BrewHouse" section with the text "Located at MIT-WPU Campus, Kothrud — open 8:00 AM to 9:00 PM." and two buttons: "Order Now" and "Find a Store". The browser's toolbar at the top includes icons for file operations, search, and various system functions. The taskbar at the bottom shows several pinned application icons.

Output: HOME PAGE WITH OFFER

 **BrewHouse**
Crafting Happiness

Flat 20% off Cappuccino today — show this on pickup! X

[Menu](#) [Cart](#) [About](#) [Contact](#) [Logout](#)

Welcome to BrewHouse

Savour specialty coffee crafted from carefully selected beans. Cozy interiors • Fast Wi-Fi • Student friendly.

[Order Now](#) [Find on Map](#)

Featured



Cappuccino
₹140

Add



Iced Latte
₹160

Add



Avocado Toast
₹120

Add

Output:

MENU

Screenshot of a web-based menu system for "BrewHouse". The interface is dark-themed with white text and light-colored cards for menu items.

BrewHouse
Crafting Happiness

Menu

Search (latte, muffin...)

All

Item	Description	Price	Add	Add & View
 Espresso	Handcrafted • Fresh	₹80	<input type="button" value="Add"/>	<input type="button" value="Add & View"/>
 Cappuccino	Handcrafted • Fresh	₹140	<input type="button" value="Add"/>	<input type="button" value="Add & View"/>
 Cold Brew	Handcrafted • Fresh	₹150	<input type="button" value="Add"/>	<input type="button" value="Add & View"/>
 Iced Latte	Handcrafted • Fresh	₹160	<input type="button" value="Add"/>	<input type="button" value="Add & View"/>
				
				

System tray icons: Volume, Network, Battery, Date/Time (10-11-2023), Language (ENG IN), and other standard Windows icons.

Output:

CART

 **BrewHouse**
Crafting Happiness

Flat 20% off Cappuccino today — show this on pickup! X

[Menu](#) [Cart](#) [About](#) [Contact](#) [Logout](#)

Your Cart

	Cappuccino ₹140 x 1	₹140
	Iced Latte ₹160 x 1	₹160

Subtotal: ₹300

[Checkout](#) [Clear Cart](#)

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Output:

MY ORDER

The screenshot shows a web browser window with the URL `C:/Users/ASUS/Downloads/BREWHOUSE.html` in the address bar. The page has a dark theme with a navigation bar at the top featuring a logo, the text "BrewHouse Crafting Happiness", and links for Home, Menu, Cart, My Orders (which is highlighted), About, Contact, and Logout.

My Orders

Past orders you placed on this device (stored locally).

Order ORD1762713834641
Placed: 10/11/2025, 12:13:54 am
Total: ₹450
Reorder

- 1 × Cold Brew — ₹150
- 1 × Cappuccino — ₹140
- 1 × Iced Latte — ₹160

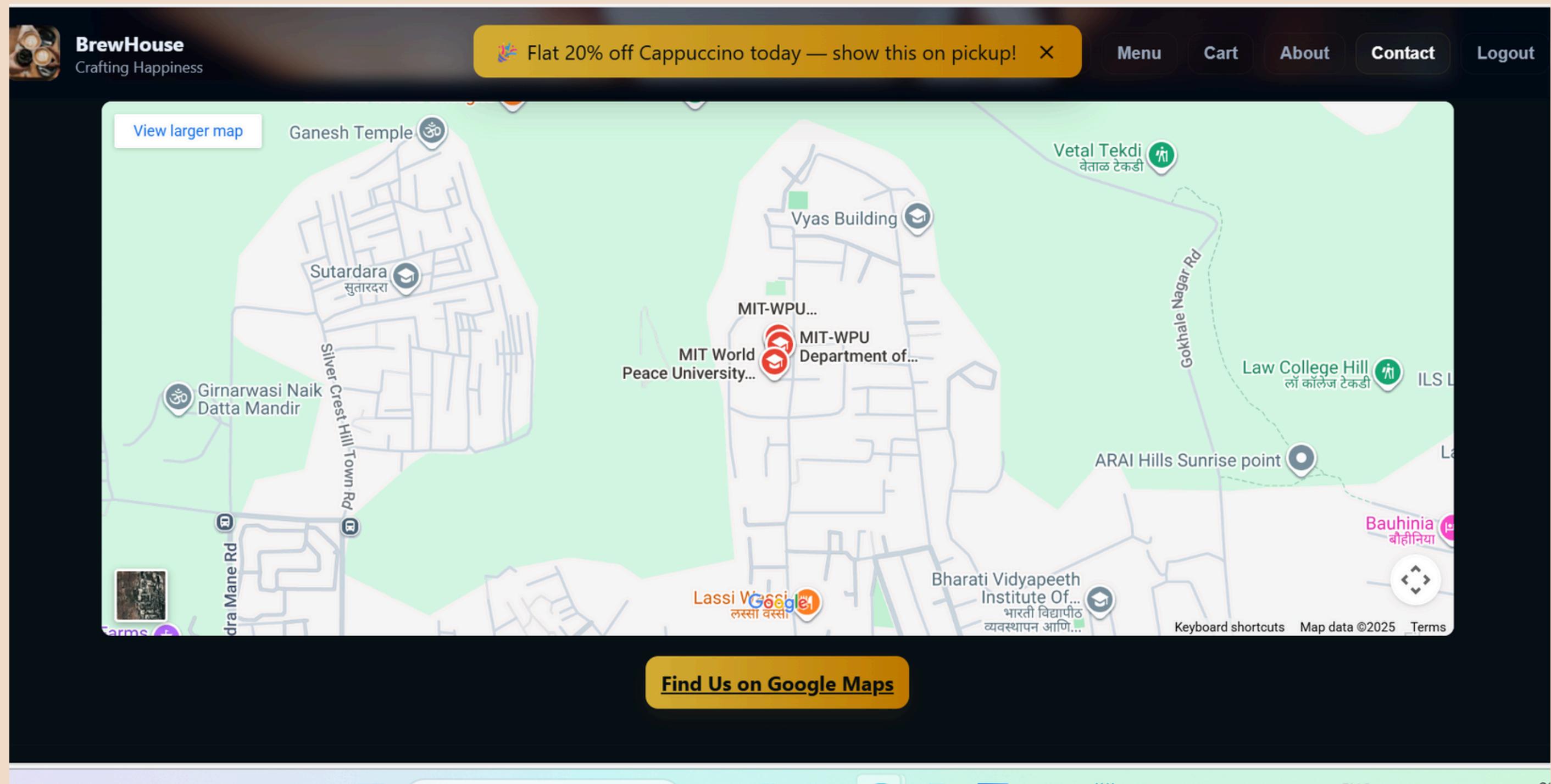
Order ORD1762711520316
Placed: 9/11/2025, 11:35:20 pm
Total: ₹720
Reorder

- 1 × Avocado Toast — ₹120
- 1 × Iced Latte — ₹160
- 1 × Chocolate Muffin — ₹70
- 1 × Espresso — ₹80
- 1 × Cappuccino — ₹140
- 1 × Cold Brew — ₹150

The taskbar at the bottom of the screen includes icons for File Explorer, Search, Edge browser, Task View, File, Mail, and Settings, along with system status indicators like battery level and network connection.

Output:

CONTACT & MAP





Advantages:

- User-friendly single-page design
- Realistic & attractive interface
- Can be connected to Firebase for live data
- Works offline using localStorage
- Ready for future deployment on GitHub or Firebase Hosting



Future Scope:

- Add real-time database integration
- Implement online payment gateway
- Add admin dashboard for inventory & analytics
- Integrate user feedback and loyalty points



Conclusion:

- BrewHouse is a complete front-end web application that demonstrates core full-stack concepts.
- It combines modern UI/UX with functional cart and login logic.
- The project showcases how HTML, CSS, JS, and Firebase can work together to create a professional e-commerce experience.



THANK YOU

Good ideas start with brainstorming — great ideas start with coffee.” ☕

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