

Project Report

Project Title: Smart Dine

Introduction

Smart Dine is a web-based restaurant management and food ordering system. It allows users to view the menu, place online orders, and reserve tables easily. The main goal of this project is to make restaurant operations faster and more convenient for both customers and staff.

Technologies Used

HTML – for structuring the web page

CSS – for styling and layout

JavaScript – for client-side interactivity

PHP – for server-side processing

MySQL Database – for storing user details, orders, and menu items

Description

The website has sections for the menu, order form, and table booking. Customers can browse dishes, add them to their cart, and place an order. Admin users can manage menu items and view customer orders through a backend panel. The design is responsive and user-friendly.

Testing

The system was tested for correct order placement, data storage, and responsive design. It works smoothly on different browsers and devices.

Snapshot

The screenshot shows the homepage of the Smart Dine website. At the top, there is a navigation bar with links for Home, Menu, About Us, Contact, and NGO Portal. Below the navigation, a large, light-colored circular placeholder image is displayed. To its left, the text "Welcome to Smart Dine" is prominently shown in a large, bold, dark font. Below this text is a smaller subtitle: "Experience culinary excellence with our premium dining service". A yellow "View Menu" button is located below the subtitle.

Menu Page

The screenshot shows the menu page of the Smart Dine website. At the top, there is a navigation bar with links for Home, **Menu**, About Us, Contact, and NGO Portal. Below the navigation, the text "Our Menu" is prominently shown in a large, bold, dark font. A subtitle "Delicious dishes prepared with fresh ingredients" follows. A "Special Notes" section contains a text input field with the placeholder "No garlic or onion please, make it extra crispy." and a "Save" button. An "Allergy Information" section includes checkboxes for Nuts, Dairy, Gluten, Seafood, and Eggs, with Gluten, Seafood, and Eggs checked. Three menu items are listed in cards:

- Red Kidney Curry** - \$12.99 - Red kidney beans in rich tomato gravy - **Add to Cart**
- Vegetable Biryani** - \$13.99 - Aromatic basmati rice with mixed vegetables - **Add to Cart**
- Vegetable Fried Rice** - \$10.99 - Wok-tossed rice with fresh vegetables - **Add to Cart**

A shopping cart icon in the bottom right corner indicates one item has been added.

Smart Dine

Your Order

Cheesecake	1
Creamy New York style cheesecake	\$6.99
Paneer Butter Masala	1
Rich creamy paneer curry with butter and spices	\$15.99
Vegetable Fried Rice	1
Wok-tossed rice with fresh vegetables	\$10.99
Fresh Lime Soda	1
Refreshing lime drink with soda	\$2.99

Order Summary

Table Number: 9

Subtotal: \$36.96

Tax (8%): \$2.96

Total: \$39.92

Payment Method:

Online Payment

Pay at Counter

Place Order

About Us Page

Smart Dine

About Smart Dine

Where technology meets culinary excellence to create unforgettable dining experiences

Our Story

Smart Dine was born from a vision to revolutionize the dining experience through technology while maintaining the warmth and quality of traditional hospitality.

We believe that great food should be accessible, sustainable, and socially responsible. That's why we've created a platform that not only serves exceptional cuisine but also contributes to reducing food waste and supporting local communities.

Our Mission

To provide an exceptional dining experience that combines culinary excellence with innovative technology, while making a positive impact on our community through sustainable practices.

We are committed to reducing food waste by partnering with local NGOs and ensuring that excess food reaches those who need it most.

What Makes Us Special



Premium Quality

Fresh, locally-sourced ingredients prepared by expert chefs



Smart Technology

Seamless ordering system with allergy management and special requests



Social Impact

Partnership with NGOs to reduce food waste and help communities

Contact Page

The screenshot shows the 'Contact Us' page of the Smart Dine website. At the top, there are two tabs: 'Contact Us - Smart Dine' and 'Admin Panel - Smart Dine'. The URL in the address bar is 'localhost/smart-dine/contact.html'. The page has a header with the 'Smart Dine' logo and navigation links for Home, Menu, About Us, Contact (which is highlighted in yellow), and NGO Portal.

Feedback Form:

- Name:** Patel Nitya
- Email:** nitya02@gmail.com
- Subject:** Hospitality
- Message:** Appreciate your service, thanks to chef and team for making our meal special.

Buttons:

- A large yellow 'Send Message' button at the bottom right of the form.

Admin Panel

The screenshot shows the 'Admin Panel - Smart Dine' page. The URL in the address bar is 'localhost/smart-dine/admin/'. The page features a header with the 'Smart Dine - Admin' logo and links for 'Back to Site' and 'Kitchen'.

Admin Dashboard:

Manage your restaurant operations

Recent Orders:

Order #	Table	Total	Status	Date	Action
Order #8	Table 9	\$39.9168	Pending	01/11/2025, 06:54:41	<button>Complete</button> <button>View</button>
Order #7	Table 2	\$12.9492	Completed	01/11/2025, 06:26:54	<button>View</button>
Order #6	Table 2	\$9.7092	Completed	01/11/2025, 06:22:28	<button>View</button>
Order #5	Table 10	\$17.2692	Completed	01/11/2025, 05:38:40	<button>View</button>

Management Tabs:

- Overview
- Orders (highlighted in yellow)
- NGO Management
- Food Donations
- Menu Management

Database

The screenshot shows the phpMyAdmin interface for the 'smart_dine' database. The left sidebar lists databases: New, information_schema, mysql, performance_schema, phpmyadmin, smart_dine, test, and several tables under smart_dine: admin_users, food_donations, menu_items, ngos, orders, and order_items. The main panel displays the structure of the 'admin_users' table. The table has columns: id, username, password, email, role, and created. It contains two rows: one for 'admin' and one for 'kitchen'. The 'password' column uses a MySQL-specific password hashing function.

Table	Action	Rows	Type	Collation	Size	Overhead
admin_users	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	48.0 Kib	-
food_donations	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 Kib	-
menu_items	Browse Structure Search Insert Empty Drop	6	InnoDB	utf8mb4_general_ci	16.0 Kib	-
ngos	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 Kib	-
orders	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 Kib	-
order_items	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	48.0 Kib	-

The screenshot shows the phpMyAdmin interface for the 'admin_users' table in the 'smart_dine' database. The table structure is identical to the one in the previous screenshot. The data shows two users: 'admin' and 'kitchen'. The 'password' column is hashed using the MySQL 'password' function.

	id	username	password	email	role	created
1	admin	\$2y\$10\$92IXUNpkjO0rOQ5byMi.Ye4oKoEa3Ro9lC/.og/at2...	admin@smartdine.com	admin	2025-10-11 11:51:55	
2	kitchen	\$2y\$10\$92IXUNpkjO0rOQ5byMi.Ye4oKoEa3Ro9lC/.og/at2...	kitchen@smartdine.com	kitchen_staff	2025-10-11 11:51:55	

The screenshot shows the phpMyAdmin interface for the `smart_dine` database. The left sidebar lists databases and tables, with `menu_items` selected. The main area displays the contents of the `menu_items` table:

	Edit	Copy	Delete	id	name	description	price	category	allergies	image_url	is_available	created_at
<input type="checkbox"/>	Edit	Copy	Delete	1	Grilled Salmon	Fresh Atlantic salmon with herbs and lemon	24.99	main	[{"seafood"}]	NULL	1	2025-10-31 11:51:55
<input type="checkbox"/>	Edit	Copy	Delete	2	Chicken Alfredo	Creamy pasta with grilled chicken	18.99	main	[{"dairy", "gluten"}]	NULL	1	2025-10-31 11:51:55
<input type="checkbox"/>	Edit	Copy	Delete	3	Caesar Salad	Fresh romaine lettuce with parmesan and croutons	12.99	salad	[{"dairy", "gluten"}]	NULL	1	2025-10-31 11:51:55
<input type="checkbox"/>	Edit	Copy	Delete	4	Beef Steak	Premium ribeye steak cooked to perfection	32.99	main	[]	NULL	1	2025-10-31 11:51:55
<input type="checkbox"/>	Edit	Copy	Delete	5	Chocolate Cake	Rich chocolate cake with vanilla ice cream	8.99	dessert	[{"dairy", "eggs", "gluten"}]	NULL	1	2025-10-31 11:51:55
<input type="checkbox"/>	Edit	Copy	Delete	6	Vegetable Stir Fry	Fresh seasonal vegetables with soy sauce	15.99	vegetarian	[]	NULL	1	2025-10-31 11:51:55

Conclusion

Smart Dine provides an easy and efficient way for restaurants to manage orders and reservations online. This project helped me learn how to connect frontend and backend technologies to create a dynamic web application.