Internship Report: foodislice

# Introduction

During my internship, I had the opportunity to work on a web-based food ordering and management platform called foodislice. The project aimed to provide restaurants and food businesses with a modern, user-friendly admin panel to manage their menu, orders, and customer interactions efficiently.

# Company/Project Presentation

foodislice is a digital solution designed for restaurants and food vendors to streamline their operations. The platform offers an intuitive admin dashboard, menu management, order tracking, and payment configuration, all accessible through a web interface. The project was developed as part of a team effort to address the growing need for digital transformation in the food service industry.

# Project Objectives

- Develop a responsive and modern admin panel for food business management.

- Enable easy menu and category management.

- Provide real-time order tracking and status updates.

- Allow configuration of payment and delivery settings.

- Ensure a secure authentication system for administrators.

# Technical Stack

- Frontend: React.js, Material-UI, Framer Motion

- Backend: Node.js, Express.js

- Database: PostgreSQL (via Prisma ORM)

- Other Tools: Axios, TailwindCSS, JWT for authentication

# Features Developed

- Dashboard: Overview of orders, earnings, customers, and products.

- Menu Management: Add, edit, and remove menu items and categories.

- Order Management: Track and update order statuses (pending, completed, rejected).

- Payment Settings: Configure currency, service fee, and delivery fee.

- Settings: Customize display options and manage admin credentials.

- Export/Invoice: Export orders as CSV and generate invoices in PDF format.

# My Contributions

- Implemented the menu management interface with category toggles and item CRUD operations.

- Developed the dashboard with real-time statistics and recent orders table.

- Integrated authentication and security settings for admin users.

- Enhanced the UI/UX using Material-UI and custom themes.

- Added features for exporting data and generating invoices.

# Challenges and Solutions

- Challenge: Handling real-time updates for orders and menu changes.  
 Solution: Used React state management and localStorage for persistence.

- Challenge: Ensuring secure authentication.  
 Solution: Implemented JWT-based authentication and secure password management.

- Challenge: Creating a responsive and intuitive UI.  
 Solution: Leveraged Material-UI components and custom themes for consistency.

# Skills Acquired

- Advanced React.js development and state management.

- UI/UX design with Material-UI and TailwindCSS.

- Backend API integration and authentication.

- Database management with Prisma and PostgreSQL.

- Team collaboration and agile development practices.

# Conclusion

This internship allowed me to apply and expand my technical skills in a real-world project. I gained valuable experience in full-stack development, problem-solving, and working within a team. The foodislice project is a testament to the impact of digital solutions in the food industry, and I am proud to have contributed to its development.