

# SB Foods ? Full Stack Food Ordering App (MERN) - Developer Guide

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## 1. Introduction

SB Foods is a modern web application enabling users to browse menus, order food, and manage accounts, while offering restaurants tools to manage products and view orders ? all built using the MERN stack.

## 2. Architecture & ER Diagrams

Architecture diagram and ER diagram are used to illustrate app structure and data relationships.

## 3. Prerequisites & Setup

Install Node.js, MongoDB, Git. Clone the repository, install dependencies, and run the app.

## 4. Project Structure

The project contains a client folder for React frontend and server folder for Node backend.

## 5. Backend Development

Setup Express server, connect MongoDB, define routes, models, and implement authentication.

## 6. Frontend Development

React app includes pages and components. Use Axios to fetch data from backend APIs.

## 7. Key Features & Functional Flows

Includes user login, product browsing, cart functionality, order placement, and admin controls.

## 8. Database Schema with Code

Includes schemas for User, Product, Cart, Order, Admin, and Restaurant using Mongoose.

## 9. Screenshots & Demo UI

Screenshots cover landing page, restaurants, cart, authentication, and admin dashboard.

## 10. Repository & References

GitHub: <https://github.com/harsha-varadhan-reddy-07/Food-Ordering-App-MERN>