# Full Stack Development with MERN

OrderOnTheGo: Your On-Demand Food Ordering Solution

## 1. Introduction

DHK FOODIES is a MERN Stack-based food ordering system that allows users to browse restaurants, view menus, and place orders online easily.

### 1.1 Purpose

The purpose is to eliminate traditional manual food ordering and provide a real-time, efficient, and user-friendly digital experience.

## 2. Ideation Phase

### 2.1 Problem Statement

Manual food ordering (via phone or in-person) often leads to errors, delays, and customer dissatisfaction.

### 2.2 Empathy Map Canvas

- Customers: Frustrated with long wait times and order errors.  
- Restaurants: Difficulty in managing phone orders and peak-time rush.  
- Admin: Needs better control and tracking of orders.

### 2.3 Brainstorming

- Real-time order tracking  
- Restaurant and menu browsing  
- Role-based access for customers, restaurants, and admin

## 3. Requirement Analysis

### 3.1 Customer Journey Map

Registration → Login → Browse Restaurants → View Menu → Place Order → Track Order

### 3.2 Solution Requirements

- User registration/login  
- Restaurant and menu management  
- Order placement and tracking  
- Admin control panel

### 3.3 Technology Stack

- Frontend: React React.js (CDN) + Tailwind CSS  
- Backend: Node.js / Express  
- Database: MongoDB

## 4. Project Design

### 4.1 Problem Solution Fit

Provides a digital, real-time food ordering and tracking system for users and restaurants.