

**QuickBite – Smart Food Recommendation and Delivery System**

**Ideation Phase**

**Date:** 31 January 2025  
**Team ID:** LTVIP2025TMID57182  
**Project Name:** QuickBite – Smart Food Recommendation System

**Project Description**

QuickBite is a modern, user-friendly web application designed to transform the way people discover and order food. Its standout feature is a personalized meal recommendation system based on individual diet plans, enhancing both health and convenience in food selection.

The platform serves three main user types:

* **General Customers:** Browse diverse cuisines, view restaurants, and access a daily menu curated to their dietary needs.
* **Restaurant Partners:** Manage listings and menu items with a tailored partner dashboard.
* **Platform Admins:** Oversee overall activity and ensure smooth platform operations via an admin dashboard.

QuickBite is built using the MERN stack (MongoDB, Express.js, React.js, Node.js), creating a secure, responsive, mobile-friendly environment that streamlines the journey from food discovery through order placement.

**Tech Stack**

|  |  |
| --- | --- |
| Layer | Technology |
| Frontend | React.js, TailwindCSS, Vanilla CSS |
| Backend | Node.js, Express.js |
| Database | MongoDB Atlas |
| Authentication | Role-based (admin, restaurant, user) |
| Version Control | Git, GitHub |

**Customer Problem Statement**

Following the customer-centered structure:

**Problem Statement Template**

* I am (Customer)
* I’m trying to
* But
* Because
* Which makes me feel

**PS-1**

* **I am** a busy professional with specific dietary needs.
* **I’m trying to** quickly find meals that fit my nutrition goals and order from local restaurants.
* **But** existing platforms don’t offer meal recommendations based on personal diet plans.
* **Because** most food ordering apps only filter by basic categories, not nutritional preferences.
* **Which makes me feel** frustrated and worried that I can’t easily maintain my healthy diet.

**PS-2**

* **I am** a local restaurant partner looking to expand my customer base.
* **I’m trying to** efficiently manage my menu and attract health-conscious customers.
* **But** most platforms don’t offer personalized listing tools or highlight my diet-specific offerings.
* **Because** they focus on generic food categories.
* **Which makes me feel** overlooked in a competitive market.

**Summary of Key Features**

* Personalized meal recommendations tailored to individual diets.
* Three distinct user dashboards for customers, restaurant partners, and admins.
* Seamless ordering experience from discovery to checkout.
* Mobile-friendly and secure platform with real-time management features.