

# Product Requirements Document

**Module 2:** Restaurant Discovery (Listing, Search, Filters)

**Project:** QuickBites – Food Ordering & Delivery Platform

**Prepared by:** Varshini (Business Analyst)

Version 1.0

## 1. Feature Overview

The Restaurant Discovery module enables users to browse available restaurants based on location, cuisine, ratings, preparation time, and search keywords.

## 2. Persona & Goals

Primary Persona – Customer

- Wants to find restaurants quickly
- Wants accurate search results
- Wants filters to refine choices
- Wants top-rated & nearby options first

Goals

- Reduce time taken to find food
- Offer relevant recommendations
- Enable powerful search + filters

## 3. Problem Statement

Users get overwhelmed when too many restaurants are shown without proper sorting or filtering. Without strong discovery features, conversion rates drop.

## 4. Feature Description

The module includes:

- Restaurant listing page
- Search bar for restaurants & dishes
- Filters (rating, cuisine, delivery time, price)
- Sorting options (recommended, top rated, fastest delivery)
- Restaurant cards (image, rating, ETA, price)
- Category-based recommendations (e.g., "Top Picks", "Trending Now")

## 5. User Stories

US1 – View Nearby Restaurants

As a user, I want to see restaurants near my location so I can order quickly.

US2 – Search by Name or Dish

As a user, I want to search for a restaurant or dish so I can find what I want faster.

US3 – Apply Filters

As a user, I want to filter restaurants by ratings, cuisine, price, etc., to refine my choices.

US4 – Sort Results

As a user, I want to sort by recommended, top-rated, or fastest delivery.

US5 – View Restaurant Card Details

As a user, I want to see key details like ETA, rating, cost before ordering.

## **6. Acceptance Criteria**

AC1 – Default Listing

Given user opens the app

When restaurant listing loads

Then restaurants must be sorted by “Recommended”

AC2 – Search Function

Given user enters a restaurant/dish name

When search is executed

Then relevant results must appear with proper ranking

AC3 – Filters

Given user applies filters

When results load

Then only restaurants matching criteria must be shown

AC4 – No Results

If no restaurant matches the query

Then show “No matching restaurants found”

## **7. Functional Requirements**

FR1: Restaurant Listing

- Show restaurants based on user’s location radius
- Display: name, rating, ETA, cost, cuisine, image

FR2: Search

- Auto-suggest restaurant names
- Support fuzzy matching
- Search by dish should show restaurants offering that dish

FR3: Filters

- Rating (4+, 3+)
- Cuisine type
- Price range
- Delivery time

FR4: Sorting

- Recommended
- Fastest delivery
- Top-rated
- Cost: Low → High

FR5: Empty State

- Show illustration + retry button

## **8. Non-Functional Requirements**

- Listing load time < 3 seconds
- Search result time < 1.5 seconds
- 99% uptime
- Minimum 30 FPS scrolling

## **9. User Flow**

1. User opens home page
2. Auto-loads nearby restaurants
3. User can scroll or search
4. User applies filters (optional)

5. User selects a restaurant
6. User views the menu

## **10. Assumptions**

- User location permissions granted
- Restaurants operate during displayed hours
- Data is updated via admin panel

## **11. Dependencies**

- Location services
- Restaurant data management (Admin Panel)
- Search engine API

## **12. Success Metrics**

- Time to first order < 50 seconds
- Improvement in search-to-order conversion
- Higher filter usage
- Reduced bounce rate on listing screen

## **13. Risks & Mitigations**

Risk	Mitigation
Too many restaurants → slow load	Pagination & lazy loading
Poor search relevance	Improve ranking algorithm
Incorrect ETA	Use real-time traffic + partner movement data

## **14. Out of Scope**

- Advanced AI recommendations
- Personalized homepage
- Sponsored ads section