# **User Stories Document**

**Project Name**: Menu Match  
**Team**: CS673 Team 1

## **Overview**

This document outlines user stories for the Menu Match platform, which helps users with special dietary needs find suitable dining options. Each user story includes a description, acceptance criteria, and priority level.

### **User Story 1: View Overall Restaurant Review**

**Description**:  
As a user, I want to see the overall rating of a restaurant, so that I can quickly gauge the general quality of the establishment.

**Acceptance Criteria**:

1. Given the user is viewing a restaurant profile, when the restaurant has user reviews, then the overall rating should be displayed as a single score on the page.
2. Given new reviews are submitted for a restaurant, when the overall rating is recalculated, then the new rating should reflect the average of all reviews and be updated on the restaurant profile.

**Priority**: High

### **User Story 2: Submit a Review**

**Description**:  
As a user, I want to submit my own reviews and ratings for restaurants so that I can share my dining experience and contribute to the community.

**Acceptance Criteria**:

1. Given a user is logged in, when they visit a restaurant's profile, they should see a form to submit a review and rating.
2. Given the user submits a review and rating, when the system processes the submission, it should appear on the restaurant's profile with the correct username and timestamp.

**Priority**: High

### **User Story 3: Dietary Filtering**

**Description**:  
As a user, I want to filter restaurant search results based on dietary needs like vegan, vegetarian, halal, and gluten-free, so that I can easily find restaurants that match my preferences.

**Acceptance Criteria**:

1. Given the user selects a dietary preference, when they perform a search, then only restaurants that meet the selected dietary preference should appear in the results.
2. Given a restaurant supports multiple dietary needs, when it is listed in search results, it should display all applicable tags (e.g., Vegan, Halal).

**Priority**: High

### **User Story 4: Retrieve Restaurant by ID**

**Description**:  
As a user, I want to retrieve detailed information about a specific restaurant by its ID, so that I can explore its offerings and reviews.

**Acceptance Criteria**:

1. Given the user enters a valid restaurant ID, when they make a request, then the system should return details like name, address, phone number, and overall rating.
2. Given the user enters an invalid restaurant ID, when they make a request, then the system should return a 404 error with an appropriate message.

**Priority**: Medium

### **User Story 5: Search Top Restaurants**

**Description**:  
As a user, I want to see a list of top-rated restaurants so that I can quickly decide where to dine based on ratings and reviews.

**Acceptance Criteria**:

1. Given a user accesses the platform, when they view the top restaurants section, then a list of the top 10 restaurants with the highest ratings should be displayed.
2. Given new reviews are added, when the top restaurant list is refreshed, then the rankings should update accordingly.

**Priority**: Medium

### **User Story 6: Secure Access**

**Description**:  
As a user, I want all my interactions with the platform to be secure so that my personal and sensitive data is protected.

**Acceptance Criteria**:

1. Given a user accesses the platform, when they log in or perform sensitive actions, then all communications should be secured using SSL.
2. Given the platform processes user data, when a user views or updates their profile, then all data must be encrypted in transit.

**Priority**: High

### **User Story 7: User Registration**

**Description**:  
As a new user, I want to register on the platform so that I can access its features, like submitting reviews and managing my profile.

**Acceptance Criteria**:

1. Given a new user accesses the platform, when they navigate to the registration page and fill out the form, then their account should be created upon successful submission.
2. Given an error occurs during registration (e.g., invalid email), when the user submits the form, then an error message should guide them to correct the issue.

**Priority**: Medium

### **User Story 8: Edit Profile**

**Description**:  
As a user, I want to edit my profile, including dietary preferences and personal details, so that the platform provides more personalized recommendations.

**Acceptance Criteria**:

1. Given a user is logged in, when they access their profile settings, then they should be able to edit personal information and dietary preferences.
2. Given changes are made to the profile, when the user saves them, then the updated information should be reflected immediately across the platform.

**Priority**: Medium

### **User Story 9: View Dish-Specific Reviews**

**Description**:  
As a user, I want to read reviews specific to a dish so that I can decide whether to try it at a restaurant.

**Acceptance Criteria**:

1. Given the user views a restaurant profile, when they click on a specific dish, then reviews for that dish should appear, including ratings and comments.
2. Given no reviews exist for a dish, when the user accesses its reviews, then a message should indicate the absence of reviews.

**Priority**: Low

### **User Story 10: View Personal Contributions**

**Description**:  
As a user, I want to see a list of all the reviews I’ve submitted so that I can track my contributions to the platform.

**Acceptance Criteria**:

1. Given the user is logged in, when they access their profile, then they should see a section listing all their submitted reviews.
2. Given no reviews have been submitted, when the user accesses their profile, then a message should indicate that no reviews are available.

**Priority**: Low

**User Story 11: Save Dietary Preferences  
Description:**As a user, I want my dietary filter selections to be saved when I log in so that I don’t need to re-select them every time I use the platform.

**Acceptance Criteria:**

* Given a user is logged in, when they select dietary filters (e.g., Vegan, Halal), then these selections should be saved to their profile.
* Given a user logs out and logs back in, when they perform a search, then the previously saved dietary filters should be automatically applied.
* Given the user updates their dietary filters, when they save the changes, the updated preferences should be reflected in future searches.

**Priority:** High

**User Story 12: Location-Based Dietary Recommendations  
Description:**As a user, I want to set my preferred location so that dietary recommendations are tailored to the area where I plan to dine.

**Acceptance Criteria:**

* Given a user is logged in, when they set a preferred location (e.g., city, neighborhood, or zip code), then the system should save this location to their profile.
* Given the user logs in again or starts a new session, when they search for restaurants, the saved location should be automatically applied as the default search area.
* Given the user updates their preferred location, when they save the changes, the updated location should be reflected in future searches.

**Priority:** Medium