|  |  |  |  |
| --- | --- | --- | --- |
| Use Case Id | Use Case | Actor | Description |
| UC1 | View Recipes | Guest User, Registered User, Admin | Allows users to browse and view available recipes on the platform. |
| UC2 | Search Recipes | Guest User, Registered User | Enables users to search recipes by keyword, category, or ingredient. |
| UC3 | View Most Liked Recipes | Guest User, Registered User, Admin | See list of most liked recipes. |
| UC4 | Share Recipes | Registered User | Submit a new recipe with details and image. |
| UC5 | Edit/Delete Own Recipes | Registered User | Modify or delete user's own recipes. |
| UC6 | Update Profile | Registered User | Update profile details such as name, bio, or password. |
| UC7 | Comment on Recipes | Registered User | Registered users can write comments or feedback on any recipe post. |
| UC8 | Rate Recipes | Registered User | Registered users can give star ratings (1–5) to recipes based on their experience. |
| UC9 | Like & Bookmark Recipes | Registered User | Like a recipe or bookmark it for later access. |
| UC10 | Report Inappropriate Content | Registered User | Flag inappropriate recipes/comments for admin review. |
| UC11 | Block/Delete Users | Admin | Block malicious or delete inactive users. |
| UC12 | Approve/Delete Any Recipe | Admin | Review and manage recipes submitted by users. |
| UC13 | View & Act on Reports | Admin | View reported content and take appropriate action. |
| UC14 | View Total Users | Admin | View number of registered users. |
| UC15 | View Active Contributors | Admin | Identify users with high contribution activity. |

## Use Case Description

## UC1: View Recipes

|  |  |
| --- | --- |
| Use Case | View Recipes |
| Actor | Guest User, Registered User, Admin |
| Description | Enables users to browse and explore all available recipes on the platform with basic information like title, ingredients, and author. |
| Preconditions | Access to the website. |
| Postconditions | List of recipes displayed. |
| Normal Flow | 1. User navigates to recipe section 2. System loads all recipes |
| Exceptions | No recipes available |

## UC2: Search Recipes

|  |  |
| --- | --- |
| Use Case | Search Recipes |
| Actor | Guest User, Registered User |
| Description | Allows users to search for recipes using keywords, categories, or ingredients to quickly find relevant results. |
| Preconditions | Access to search page |
| Postconditions | Filtered recipes shown |
| Normal Flow | 1. User enters keyword 2. System displays matching recipes |
| Exceptions | No results found |

## UC3: View Most Liked Recipes

|  |  |
| --- | --- |
| Use Case | View Most Liked Recipes |
| Actor | Admin, Guest User ,Registered User |
| Description | Provides the admin with a list of top-liked recipes to track popular content and trends. |
| Preconditions | Admin logged in |
| Postconditions | Recipes shown by popularity |
| Normal Flow | 1. Go to reports 2. View list |
| Exceptions | No liked recipes |

## UC4: Share Recipes

|  |  |
| --- | --- |
| Use Case | Share Recipes |
| Actor | Registered User |
| Description | Lets registered users create and submit new recipes by providing a title, ingredients, instructions, and optionally an image. |
| Preconditions | User is logged in |
| Postconditions | Recipe stored (pending approval if needed) |
| Normal Flow | 1. Click “Add Recipe” 2. Enter details and submit |
| Exceptions | Validation error |

## UC5: Edit/Delete Own Recipes

|  |  |
| --- | --- |
| Use Case | Edit/Delete Own Recipes |
| Actor | Registered User |
| Description | Provides registered users the ability to update or remove their previously submitted recipes to ensure accuracy or remove outdated content. |
| Preconditions | User logged in and owns recipe |
| Postconditions | Recipe updated or deleted |
| Normal Flow | 1. User opens “My Recipes” 2. Chooses edit/delete |
| Exceptions | Unauthorized access |

## UC6: Update Profile

|  |  |
| --- | --- |
| Use Case | Update Profile |
| Actor | Registered User |
| Description | Allows registered users to modify their profile details including name, bio, email, and password. |
| Preconditions | User logged in |
| Postconditions | Profile updated |
| Normal Flow | 1. Navigate to Profile 2. Edit and save changes |
| Exceptions | Invalid input |

## UC7: Comment on Recipes

|  |  |
| --- | --- |
| Use Case | Comment on Recipes |
| Actor | Registered User |
| Description | Enables users to provide feedback on recipes through comments and star ratings, helping others assess the quality of the content. |
| Preconditions | Logged in and viewing recipe |
| Postconditions | Comment is saved and shown |
| Normal Flow | 1. Enter comment 2. Submit |
| Exceptions | Empty/invalid comment |

## UC8: Rate Recipes

|  |  |
| --- | --- |
| Use Case | Rate Recipes |
| Actor | Registered User |
| Description | Give star ratings (1–5) to recipes based on experience. |
| Preconditions | Logged in and viewing recipe |
| Postconditions | Rating saved and averaged |
| Normal Flow | 1. Choose rating 2. System updates average |
| Exceptions | Duplicate/invalid rating |

## UC9: Like & Bookmark Recipes

|  |  |
| --- | --- |
| Use Case | Like & Bookmark Recipes |
| Actor | Registered User |
| Description | Allows users to express appreciation for recipes by liking them and to save favorite recipes for later access through bookmarking. |
| Preconditions | User is logged in |
| Postconditions | Like/bookmark is saved |
| Normal Flow | 1. Click like/bookmark 2. Status updated |
| Exceptions | Already liked/bookmarked |

## UC10: Report Inappropriate Content

|  |  |
| --- | --- |
| Use Case | Report Inappropriate Content |
| Actor | Registered User |
| Description | Lets users report any recipe or comment they find inappropriate or offensive, which notifies the admin for review and action. |
| Preconditions | Logged in |
| Postconditions | Admin receives report |
| Normal Flow | 1. Click “Report” 2. Select reason |
| Exceptions | Already reported |

## UC11: Block/Delete Users

|  |  |
| --- | --- |
| Use Case | Block/Delete Users |
| Actor | Admin |
| Description | Empowers the admin to block or permanently delete users who violate platform rules or engage in harmful behavior. |
| Preconditions | Admin logged in |
| Postconditions | User blocked/deleted |
| Normal Flow | 1. Admin opens user list 2. Takes action |
| Exceptions | Permission error |

## UC12: Approve/Delete Any Recipe

|  |  |
| --- | --- |
| Use Case | Approve/Delete Any Recipe |
| Actor | Admin |
| Description | Allows the admin to review user-submitted recipes and approve or remove them to maintain content quality. |
| Preconditions | Admin logged in |
| Postconditions | Recipe approved or deleted |
| Normal Flow | 1. Open pending recipes 2. Approve/delete |
| Exceptions | Recipe not found |

## UC13: View & Act on Reports

|  |  |
| --- | --- |
| Use Case | View & Act on Reports |
| Actor | Admin |
| Description | Enables the admin to view reported content and take actions such as deleting the content or warning/blocking the user. |
| Preconditions | Admin logged in |
| Postconditions | Issue resolved |
| Normal Flow | 1. Check reports 2. Delete or warn user |
| Exceptions | No reports found |

## UC14: View Total Users

|  |  |
| --- | --- |
| Use Case | View Total Users |
| Actor | Admin |
| Description | Allows the admin to see the total number of registered users for monitoring platform growth and activity. |
| Preconditions | Admin logged in |
| Postconditions | User count displayed |
| Normal Flow | 1. Open dashboard 2. View total users |
| Exceptions | System error |

## UC15: View Active Contributors

|  |  |
| --- | --- |
| Use Case | View Active Contributors |
| Actor | Admin |
| Description | Shows the admin a list of the most active users based on recipe submissions, likes, and engagement. |
| Preconditions | Admin logged in |
| Postconditions | List displayed |
| Normal Flow | 1. View contributor stats |
| Exceptions | No contributors found |

**Use Case Diagram**

