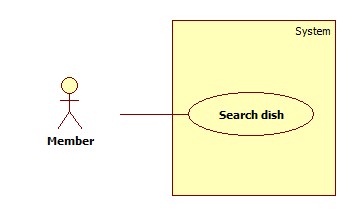


**Use Case Specification**

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| **USE CASE - M01** | | | |
| **Use Case No.** | M01 | **Use Case Version** |  |
| **Use Case Name** | Add food | | |
| **Author** | Truong Thanh Lam | | |
| **Date** | 25/01/2016 | **Priority** | High |
| **Actor:**   * Member   **Summary:**   * This use case allows members to add food. This use case is applied for both mobile application and web interface.   **Goal:**   * Member can use this method to add food to his/her fridge after acquiring food in reality.   **Triggers:**   * Member sends Add food command   **Preconditions:**   * Actor must logged in with role Member   **Post Conditions:**   * Success: New food is added to the system * Fail: Error message is shown   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | **1** | Member accesses Add food view | System shows view and requires new food information:  - Name: free text input, required, length [2,30]  - Quantity: free text input, integer value (0,1000]  - Unit: choose from list  - Expired date: date, required, must be later than or equals current date  - Notification date: number, required. (default value is 3). | | **2** | Member inputs new food information  [Alternative 1] |  | | **3** | Member sends Add food command | New food is added to the system  [Exception 1, 2, 3] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **No** | **Actor Action** | **System Response** | | **1** | Member selects Scan barcode option  Member uses camera to scan barcode  Member inputs remaining information: Quantity, Unit, Expired date, Notification date | System activates camera to scan food’s barcode  System recognizes barcode and fills food name |   **Exception**   |  |  |  | | --- | --- | --- | | **No** | **Cause** | **System Response** | | **1** | Member inputted food name with inappropriate length | System shows error message: “Food name must be between 2 and 30 characters.” | | **2** | Member inputted quantity with a value less than 0 or greater than 1000 | System shows error message: “Quantity must be greater than 0 and less or equals to 1000.” | | **3** | Member inputted expired date sooner than current date | System shows error message: “Expired date must be later or equals current date.” |   **Relationships: N/A**  **Business Rules:**   * Unit can be kilogram, gram, can, bottle, piece, box... or user manually input. * After adding, food has status “Pending” | | | |



**Use Case Specification**

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| **USE CASE - M01** | | | |
| **Use Case No.** | M02 | **Use Case Version** |  |
| **Use Case Name** | Search dish | | |
| **Author** | Truong Thanh Lam | | |
| **Date** | 25/01/2016 | **Priority** | Normal |
| **Actor:**   * Member   **Summary:**   * This use case allows members to search dishes by name. This use case is applied for both mobile application and web interface.   **Goal:**   * Member can use this method to search for dishes. After inputting dish name, some suggested dishes are displayed.   **Triggers:**   * Member changes text in search field   **Preconditions:**   * Actor must logged in with role Member   **Post Conditions:**   * Success: Search result is shown   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | **1** | Member accesses Search dish view | System shows view and requires search information:  - Search text: free text input, required, length [2,50] | | **2** | Member inputs dish name | System searches dishes based on name and displays result  [Alternative 1] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **No** | **Actor Action** | **System Response** | | **1** |  | If no record is matched, system displays message “No record is matched.” |   **Exception: N/A**  **Relationships:**   * Add favorite dish * View recipe   **Business Rules:**   * Searching by comparing search text and dish name. If dish name contains search text, the dish is selected. * Search result is sorted by founded order. * Search result is displayed as a table contains dishes’ names, short description and options for Member to Add favorite dish, View recipe | | | |