Overview

   Create a web application and server to support users about searching reviews of each food by review ID or food keyword.

Specification

   Front-End (Main Page) :

- Input Box :
  - Function
    - Input text
    - Identify text (food keyword, review ID)
- List View:
  - UI:
    - Display List of search result by blocks
    - Contain edit icon
  - Function
    - Display search result
    - Change background color when cursor hover on each block
- Edit Icon
  - Function
    - Click

Front-End (Pop Up):
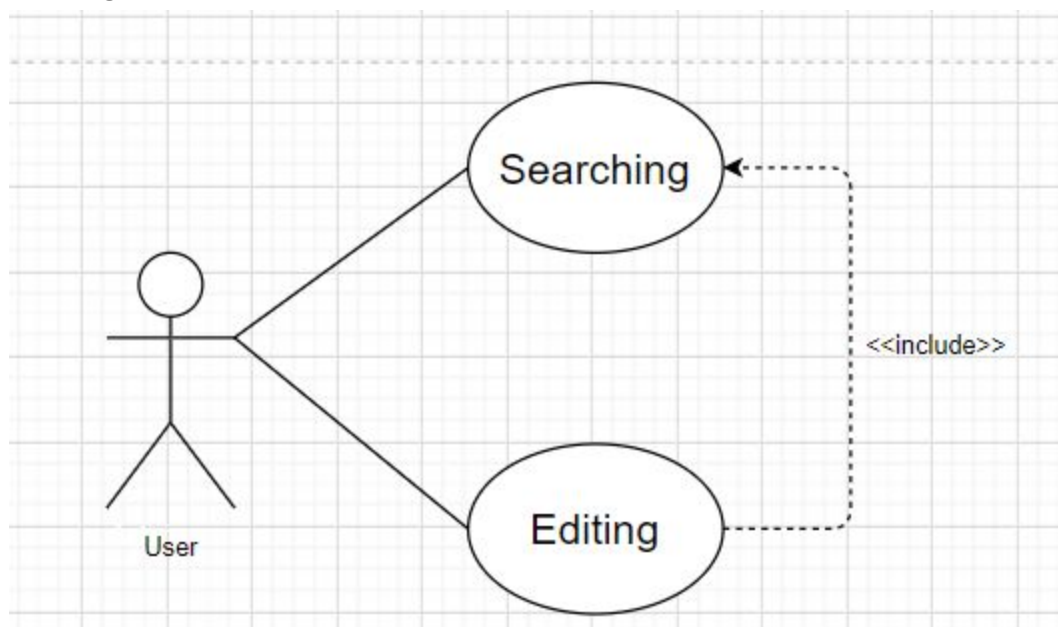


```
Review ID : x                                        ◯

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut
labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco
laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in
voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur
sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt

                                                        OK
```
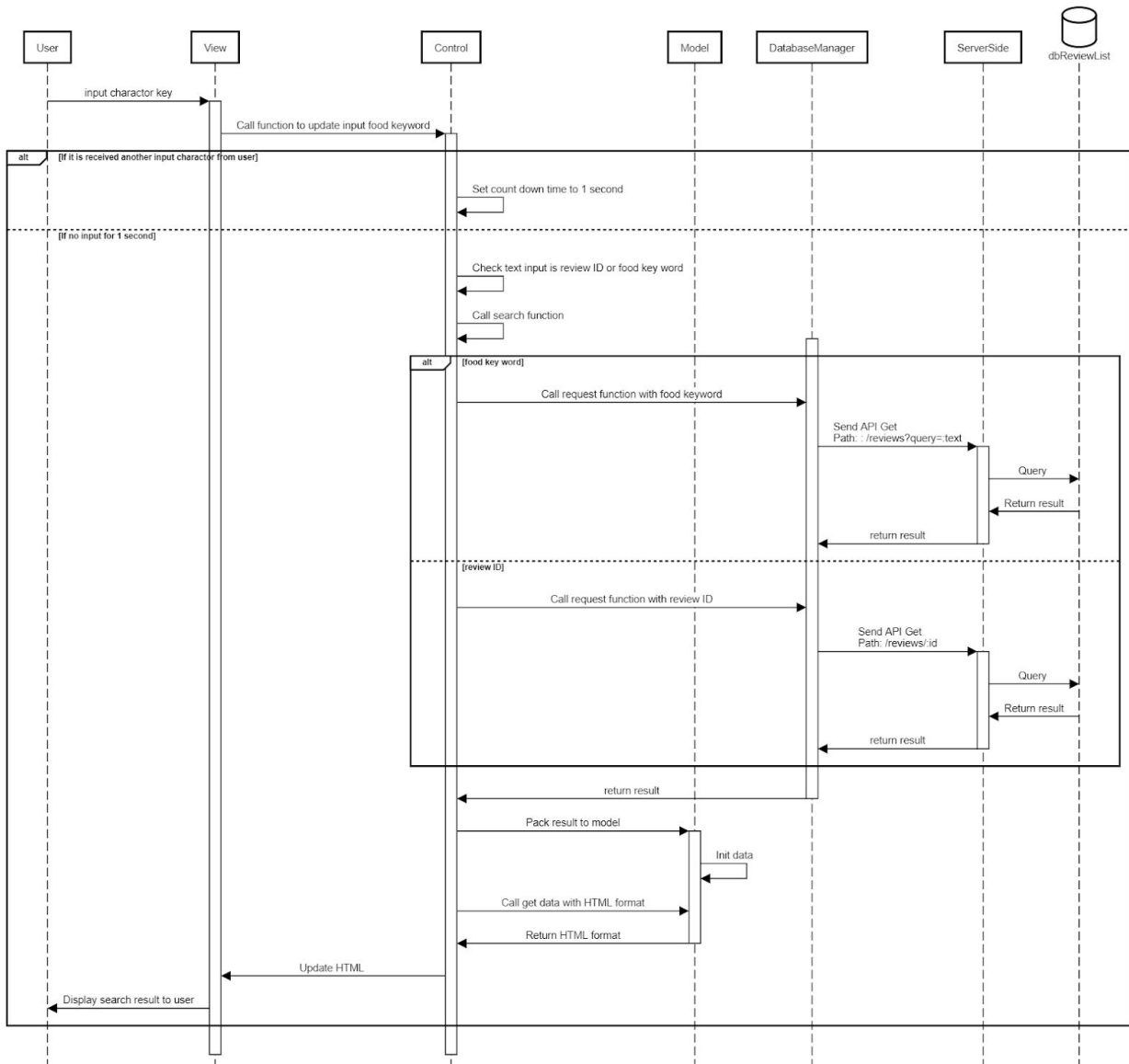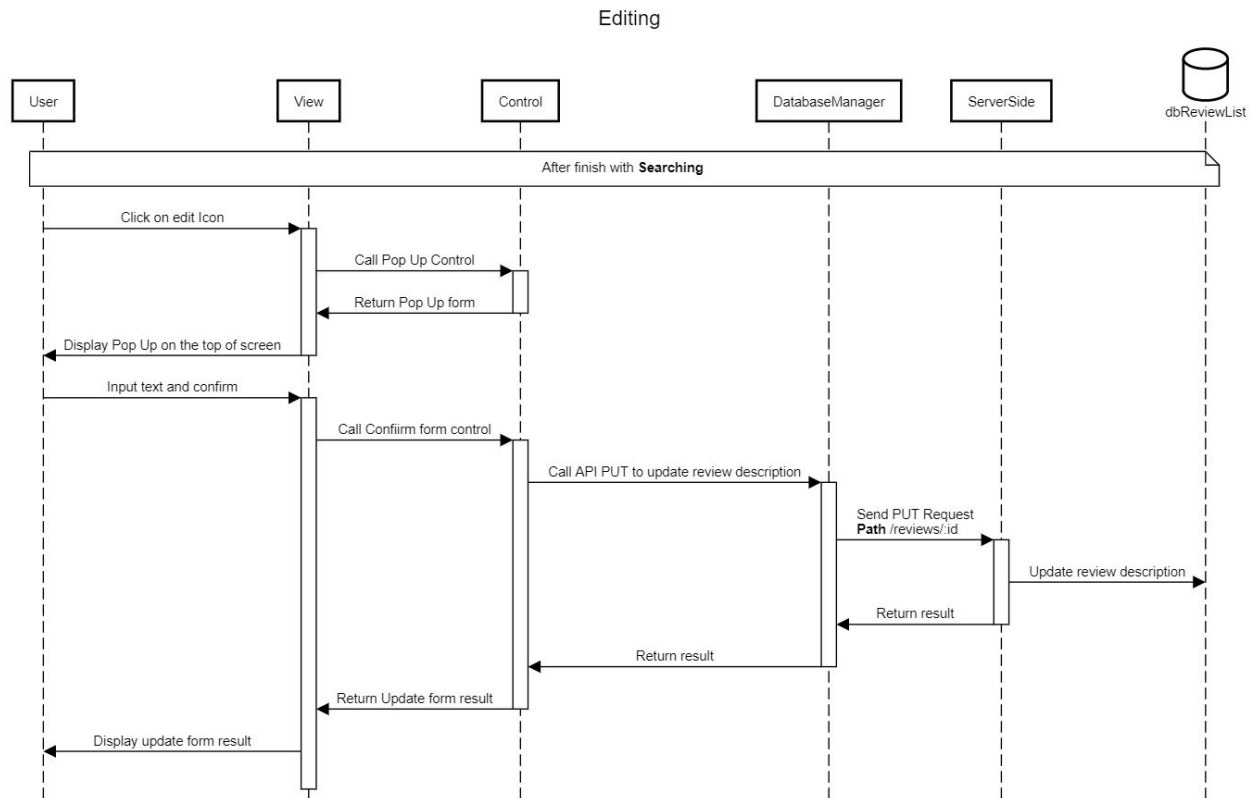
- Confirm Button:
  - Submit form

Use Case Diagram

Use Case Description

Searching

User	View	Control	Model	DatabaseManager	ServerSide	dbReviewList

- input charactor key
- Call function to update input food keyword

alt [If it is received another input charactor from user]

- Set count down time to 1 second

[If no input for 1 second]

- Check text input is review ID or food key word
- Call search function

alt [food key word]

- Call request function with food keyword
- Send API Get Path: : /reviews?query=:text
- Query
- Return result
- return result

[review ID]

- Call request function with review ID
- Send API Get Path: /reviews/:id
- Query
- Return result
- return result

- return result
- Pack result to model
- Init data
- Call get data with HTML format
- Return HTML format
- Update HTML
- Display search result to user

Use case description
- ● Use Case: Searching
- ● Pre-Condition: User input food keyword or review ID
- ● Pos-Condition: Search data
- ● Main Flow:
  1. Users input key.
  2. Users do not input any key for 1 second.
     - 2.1 Check input key
     - 2.2 Call search function
     - 2.3 Send **GET** Request API to ServerSide
       - In case of input text is food keyword
         - Send to path: /reviews?query=:text
       - In case of input text is Review ID
         - Send to path: /reviews/:id
     - 2.4 Pack the result to **Model**
     - 2.5 Export result with HTML data via method of **Model**
     - 2.6 Return HTML data to View

Editing

Use case description
- ● Use Case: Editing
- ● Pre-Condition: User click on edit icon
- ● Pos-Condition: -
- ● Main Flow:
    1. User click edit icon
    2. User input text
    3. User confirm text
    4. Call confirm control
    5. Call API PUT to update review description
    6. Send PUT request to path /reviews/:id
    7. Display result

Flow Chart :