

**Rate a Restaurant**

**Group Project (Midterm)**

**IS 4460**

## **Introduction**

Our project is a restaurant review application that allows for consumers to review food at restaurants and for restaurants to see those reviews and pay to be promoted in the app. It is titled “Rate a Restaurant.”

### **1. Project objectives**

The main objective of our project is to create an application that produces revenue. In order to do this, we must accomplish the sub-objectives of our project. One of those sub-objectives is for the application to offer premium membership subscriptions to restaurants in exchange for sponsored placement. Another one is for the app to be appealing to users, namely by allowing them to browse restaurants and food items, view and submit reviews, and follow restaurants they may be interested in.

### **2. Description of the proposed project** (briefly since it's already provided in the customer requirements)

The proposed project is a food review app for both consumers and restaurant owners. As mentioned above, consumers will be able to browse restaurants and food items, view and submit reviews, and follow restaurants. Restaurant owners will be able to upload their restaurants and the food they offer, view reviews left by consumers, and pay for a premium membership in exchange for promotion.

### **3. Your motivation** (Why is this project interesting/valuable to you?)

This project is very interesting to us because it is such a relevant possibility for an application. There is no shortage of restaurant-reviewing applications, and all of us use them on at least a monthly basis. Being able to view some of the behind-the-scenes work that goes into them will give us a new understanding and appreciation for what it takes to build the apps that

make our lives so much easier. Additionally, this project is valuable to us because it could very easily be a job that we are hired for in the future. This kind of simple but useful application is one of the most common jobs that people like software engineers are hired for, and it usually pays very well. By completing this project, we can show it in our portfolio to potential employers and be prepared for similar projects in the future.

#### **4. Objectives and benefits of the application to the customer**

The main objective of the application to the customer is to find the best food. The sub-objectives they have in order to accomplish that goal are to read reviews/ratings left by other customers so they can find the best food, and to leave reviews of their own so that others can do the same. The benefits of the application to the customer are that it gives them an increased chance at a pleasant dining experience, as well as saving them time and effort when searching for something to eat.

## **2 Set of CRUD Use Cases**

### **USER CASE 1**

#### **Role 1: Restaurant**

- Create: New food items
- Read: (View) List of food items for a restaurant
- Update: Update information about existing food items (menu)
- Delete: Delete food items that are no longer available, popular, highly rated, etc (menu)

**Objective:** This set of use cases allows the restaurant to manage its own food items. The app provides accurate and up-to-date information to its users.

#### **Role 2: Member**

- **Create:** Add new reviews for food items
- **Read:** View reviews for food items and restaurants
- **Update:** Update reviews that have already been submitted
- **Delete:** Delete reviews that were mistakenly added

**Objective:** This set of use cases allows members to share their opinions about food items. The app provides accurate and up to date information to its users.

## USER CASE 2

### Role 1: Admin

- **Create:** Add new restaurants to the app
- **Read:** View information about all restaurants and their followers
- **Update:** Update information about existing restaurants
- **Delete:** Delete restaurants that are no longer active

**Objective:** This set of use cases allows the admin to manage the database of restaurants. The app provides accurate and up to date information to its users.

### Role 2: Member

- **Create:** Subscribe to premium membership for restaurants
- **Read:** View list of premium restaurants and their subscription fees
- **Update:** Update subscription preferences for premium membership
- **Delete:** Cancel premium membership for restaurants

**Objective:** This set of use cases allows members to manage their premium membership for restaurants. The application generates revenue from its premium restaurant partners while providing them with both value and flexibility.

## **Team Work**

1. As a group, discuss at least 3 strategies you will employ to ensure a successful outcome for this project.

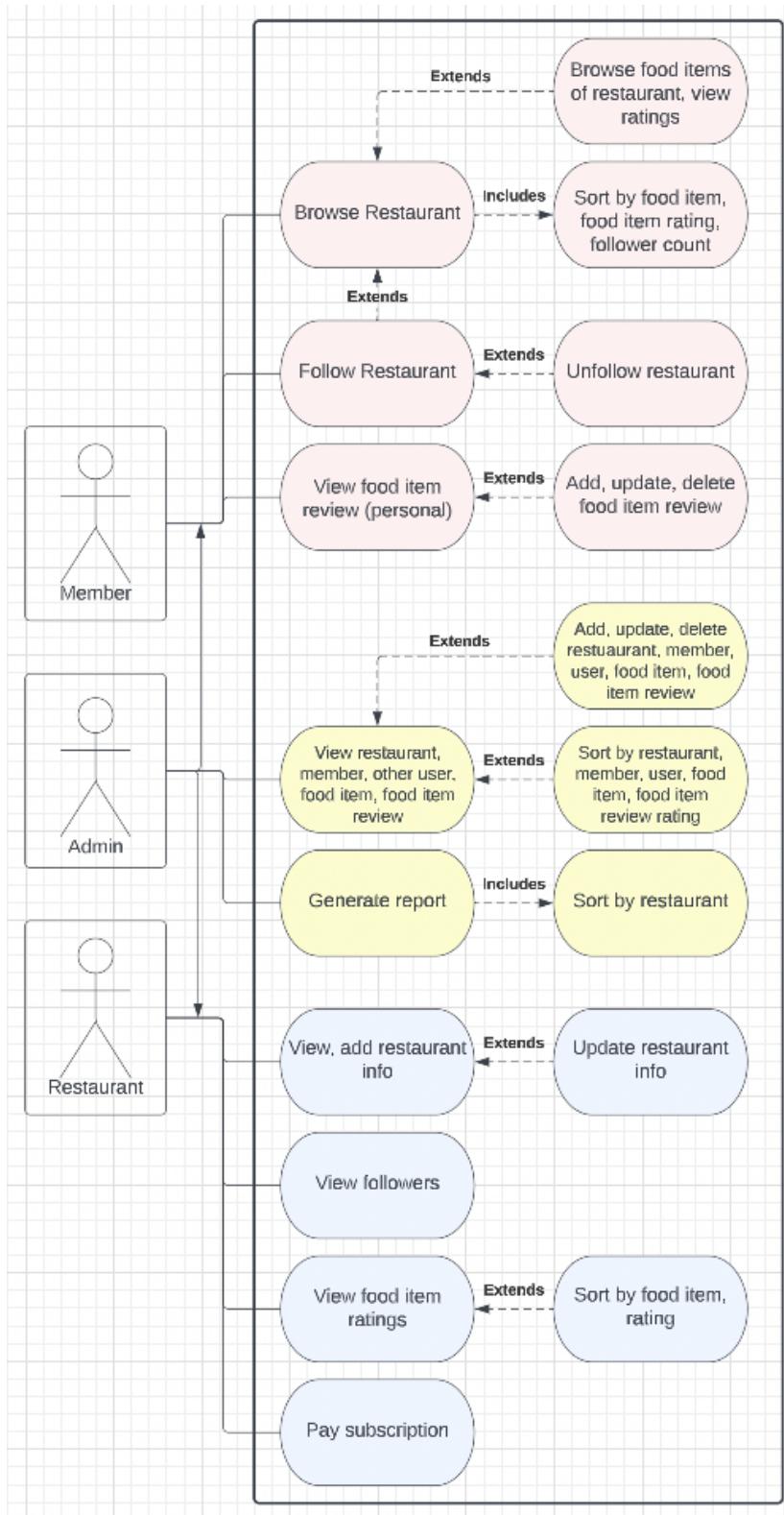
- Strategy #1: Develop a clear outline of the necessary tasks that need to be accomplished and the order that they need to be done. Breakdown the tasks into subtasks and assign story points to each subtask. Establish an ideal completion rate of story points per day (project velocity) to obtain a reasonable time estimate for when whole tasks and the project itself can/should be completed.
- Strategy #2: When dividing up work among team members, we will consistently communicate with each other on the statuses of our subtasks and announce to each other if we have questions or concerns on the respective subtasks we are trying to accomplish. Upon nearing completion of a subtask, we will have team members overview each other's work to ensure that it is sensible and aligns with the objectives of the project.
- Strategy #3: In the worst-case-scenarios where all group members are having difficulty understanding a concept and/or completing a subtask, we will utilize external resources including course TAs and the professor for added guidance.

2. How do you incorporate ethics into design and project management?

In order to adhere to ethics when designing our system we will, at every stage of the development process, ensure that the system maintains transparency in completing its objectives and that we can provide thorough security in a user's interactions with the system. Moreover, transparency will require us to be honest about our intentions with a user in order to mitigate any shady practices that may occur when designing the system or managing the project itself. With being thorough in security, we will manage the project and design the system with complete

consideration of important user assets and how they flow through the system, who/what receives it, and the safeguards in place to protect the assets at all times when in the system.

## Use Case Model (UCD)



## Use Case Documents (Narratives)

Use Case #1

Use case	Browse restaurants																	
Description	Rate a Restaurant Member/Admin browses restaurants																	
Actor(s)	Member, Admin																	
Pre-condition	1. Member, Admin must be logged into the system																	
Post-condition	1. Member, Admin browses restaurants where they specify their search by food items, food item ratings, and follower count																	
Basic Success flow	<table border="1"> <thead> <tr> <th>Stage</th><th>Client</th><th>System</th></tr> </thead> <tbody> <tr> <td>1</td><td>Client is on the homepage (home.php)  Client selects “Browse” link on homepage</td><td>Redirect client to browse page <b>{add file name here}</b></td></tr> <tr> <td>2</td><td>Client selects desired food items, food item ratings, and follower counts</td><td></td></tr> <tr> <td>3</td><td>Client submits search specification request</td><td>Connect to database  Insert restaurant search specification into Restaurant table  Forward client to <b>{add file name here}</b></td></tr> <tr> <td>4</td><td>Client views specified restaurants on <b>{add file name here}</b></td><td></td></tr> </tbody> </table>			Stage	Client	System	1	Client is on the homepage (home.php)  Client selects “Browse” link on homepage	Redirect client to browse page <b>{add file name here}</b>	2	Client selects desired food items, food item ratings, and follower counts		3	Client submits search specification request	Connect to database  Insert restaurant search specification into Restaurant table  Forward client to <b>{add file name here}</b>	4	Client views specified restaurants on <b>{add file name here}</b>	
Stage	Client	System																
1	Client is on the homepage (home.php)  Client selects “Browse” link on homepage	Redirect client to browse page <b>{add file name here}</b>																
2	Client selects desired food items, food item ratings, and follower counts																	
3	Client submits search specification request	Connect to database  Insert restaurant search specification into Restaurant table  Forward client to <b>{add file name here}</b>																
4	Client views specified restaurants on <b>{add file name here}</b>																	
Variations in success flow	xxx																	

Alternate paths	xxx
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## Use Case #2

Use case	Follow a restaurant																	
Description	Member/admin follows a restaurant																	
Actor(s)	Member, Admin																	
Pre-condition	1. Member/admin must be logged into the system																	
Post-condition	1. Member/admin is following a restaurant																	
Basic Success flow	<table border="1"> <thead> <tr> <th>Stage</th><th>Client</th><th>System</th></tr> </thead> <tbody> <tr> <td>1</td><td>Client is on the homepage (home.php)  Client selects “View my restaurants” link on homepage</td><td>Redirect client to restaurant view page <b>{add file name here}</b></td></tr> <tr> <td>2</td><td>Client selects “Add a Restaurant” on restaurant view page</td><td>Redirect client to restaurant direct search page {insert file name here}</td></tr> <tr> <td>3</td><td>Client is on restaurant search page  Client inserts restaurant name</td><td>Connect to database  Insert restaurant name search into Restaurant table  Forward client to <b>{add file name here}</b></td></tr> <tr> <td>4</td><td>Client views search result  Client selects “Follow”</td><td>Connect to database  Add client to Follower table  Add restaurant to {insert file name}</td></tr> </tbody> </table>			Stage	Client	System	1	Client is on the homepage (home.php)  Client selects “View my restaurants” link on homepage	Redirect client to restaurant view page <b>{add file name here}</b>	2	Client selects “Add a Restaurant” on restaurant view page	Redirect client to restaurant direct search page {insert file name here}	3	Client is on restaurant search page  Client inserts restaurant name	Connect to database  Insert restaurant name search into Restaurant table  Forward client to <b>{add file name here}</b>	4	Client views search result  Client selects “Follow”	Connect to database  Add client to Follower table  Add restaurant to {insert file name}
Stage	Client	System																
1	Client is on the homepage (home.php)  Client selects “View my restaurants” link on homepage	Redirect client to restaurant view page <b>{add file name here}</b>																
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3	Client is on restaurant search page  Client inserts restaurant name	Connect to database  Insert restaurant name search into Restaurant table  Forward client to <b>{add file name here}</b>																
4	Client views search result  Client selects “Follow”	Connect to database  Add client to Follower table  Add restaurant to {insert file name}																
Variations in	xxx																	

success flow			
Alternate paths	<p>1. [Extension]: Client unfollows a restaurant</p>		
Stage	Client	System	
2a	Client selects “view My Restaurants” from restaurant list page	Redirect client to {insert file name here}	
3a	Client views followed restaurants Client selects “Unfollow” tab next to restaurant name	Connect to database Remove client from Follower table Remove restaurant from {insert file name here}	

### Use Case #3

Use case	Browse food items and ratings																				
Description	Member/admin browses food items and views ratings per restaurant																				
Actor(s)	Member, admin																				
Pre-condition	1. Member/admin must be logged into the system																				
Post-condition	1. Member/admin is able to browse food items of restaurants based on selected criteria and can view																				
Basic Success flow	<table border="1"> <thead> <tr> <th>Stage</th><th>Client</th><th>System</th></tr> </thead> <tbody> <tr> <td>1</td><td>Client is on the homepage (home.php)  Client selects “Browse” link on homepage</td><td>Redirect client to {insert file name here}</td></tr> <tr> <td>2</td><td>Client selects desired food items, food item ratings, and follower count</td><td></td></tr> <tr> <td>3</td><td>Client submits search specification request</td><td>Connect to database  Insert search specification criteria into Restaurants table  Forward client to {insert file name here}</td></tr> <tr> <td>4</td><td>Client views restaurants  Client selects “Rating details” next to restaurant</td><td>Show pull down menu showing restaurants food items and their respective ratings</td></tr> <tr> <td>5</td><td>Client views all food items of restaurant and respective ratings</td><td></td></tr> </tbody> </table>			Stage	Client	System	1	Client is on the homepage (home.php)  Client selects “Browse” link on homepage	Redirect client to {insert file name here}	2	Client selects desired food items, food item ratings, and follower count		3	Client submits search specification request	Connect to database  Insert search specification criteria into Restaurants table  Forward client to {insert file name here}	4	Client views restaurants  Client selects “Rating details” next to restaurant	Show pull down menu showing restaurants food items and their respective ratings	5	Client views all food items of restaurant and respective ratings	
Stage	Client	System																			
1	Client is on the homepage (home.php)  Client selects “Browse” link on homepage	Redirect client to {insert file name here}																			
2	Client selects desired food items, food item ratings, and follower count																				
3	Client submits search specification request	Connect to database  Insert search specification criteria into Restaurants table  Forward client to {insert file name here}																			
4	Client views restaurants  Client selects “Rating details” next to restaurant	Show pull down menu showing restaurants food items and their respective ratings																			
5	Client views all food items of restaurant and respective ratings																				

Variations in success flow	xxx
Alternate paths	xxx

## Use Case #4

Use case	View/add/update/delete a food item review																	
Description	Member, admin views/adds/updates/deletes a food item review																	
Actor(s)	Member, admin																	
Pre-condition	1. Member/admin must be logged into the system																	
Post-condition	1. Member/admin is able to view/add/update/delete a food item review for a restaurant or restaurants																	
Basic Success flow	<table border="1"> <thead> <tr> <th>Stage</th><th>Client</th><th>System</th></tr> </thead> <tbody> <tr> <td>1</td><td>Client is on home page (home.php)  Client selects “View my restaurants” link on main menu</td><td>Redirect client to <b>{add file name here}</b></td></tr> <tr> <td>2</td><td>Client views followed restaurants  Client selects “Review” next to restaurant</td><td>Redirect client to restaurant review page {insert file name here}</td></tr> <tr> <td>3</td><td>Client is on food item review page  Client selects food items they want to view review  Client enters ratings for each selected food item</td><td></td></tr> <tr> <td>4</td><td>Client submits form</td><td>Connect to database  Insert client review data into Review table</td></tr> </tbody> </table>			Stage	Client	System	1	Client is on home page (home.php)  Client selects “View my restaurants” link on main menu	Redirect client to <b>{add file name here}</b>	2	Client views followed restaurants  Client selects “Review” next to restaurant	Redirect client to restaurant review page {insert file name here}	3	Client is on food item review page  Client selects food items they want to view review  Client enters ratings for each selected food item		4	Client submits form	Connect to database  Insert client review data into Review table
Stage	Client	System																
1	Client is on home page (home.php)  Client selects “View my restaurants” link on main menu	Redirect client to <b>{add file name here}</b>																
2	Client views followed restaurants  Client selects “Review” next to restaurant	Redirect client to restaurant review page {insert file name here}																
3	Client is on food item review page  Client selects food items they want to view review  Client enters ratings for each selected food item																	
4	Client submits form	Connect to database  Insert client review data into Review table																

			Save review for restaurant  Review is saved under “My reviews”												
Variations in success flow	xxx														
Alternate paths	<p>1. [Extension]: Member/admin wants to view/update/delete review</p> <table border="1"> <thead> <tr> <th>Stage</th><th>Client</th><th>System</th></tr> </thead> <tbody> <tr> <td>2a</td><td>Client views followed restaurants (Client selected view my restaurants)  Client selects “My reviews” tab</td><td>Redirect client to reviews page {insert file name here}</td></tr> <tr> <td>3a</td><td>Client views their reviews  Client selects edit link or remove link next to review</td><td>Connect to database  Select client’s review in Review database  Redirect client to food item review page {insert file name here}</td></tr> <tr> <td>4a</td><td>Client is on food item review page  Client selects food items they want to review  Client enters ratings for each selected</td><td></td></tr> </tbody> </table>			Stage	Client	System	2a	Client views followed restaurants (Client selected view my restaurants)  Client selects “My reviews” tab	Redirect client to reviews page {insert file name here}	3a	Client views their reviews  Client selects edit link or remove link next to review	Connect to database  Select client’s review in Review database  Redirect client to food item review page {insert file name here}	4a	Client is on food item review page  Client selects food items they want to review  Client enters ratings for each selected	
Stage	Client	System													
2a	Client views followed restaurants (Client selected view my restaurants)  Client selects “My reviews” tab	Redirect client to reviews page {insert file name here}													
3a	Client views their reviews  Client selects edit link or remove link next to review	Connect to database  Select client’s review in Review database  Redirect client to food item review page {insert file name here}													
4a	Client is on food item review page  Client selects food items they want to review  Client enters ratings for each selected														

		food item	
5a	Client submits form	Connect to database Insert client review data into Review table Save review for restaurant Review is saved under “My reviews”	

## Use Case #5

Use case	View/update/add restaurant info																	
Description	Restaurant/admin views/updates/adds restaurant info																	
Actor(s)	Restaurant, admin																	
Pre-condition	1. Restaurant/admin must be logged into system																	
Post-condition	1. Restaurant/admin is able to view, update, and/or add restaurant info																	
Basic Success flow	<table border="1"> <thead> <tr> <th>Stage</th><th>Client</th><th>System</th></tr> </thead> <tbody> <tr> <td>1</td><td>Client is on home page (home.php)  Client selects “My restaurants”</td><td>Redirect client to my restaurants page {insert file name here}</td></tr> <tr> <td>2</td><td>Client is on My restaurants page  Client selects add restaurant info</td><td>Redirect client to restaurant details form</td></tr> <tr> <td>3</td><td>Client inputs food items</td><td></td></tr> <tr> <td>4</td><td>Client submits form</td><td>Connect to database  Insert restaurant information in Restaurants table</td></tr> </tbody> </table>			Stage	Client	System	1	Client is on home page (home.php)  Client selects “My restaurants”	Redirect client to my restaurants page {insert file name here}	2	Client is on My restaurants page  Client selects add restaurant info	Redirect client to restaurant details form	3	Client inputs food items		4	Client submits form	Connect to database  Insert restaurant information in Restaurants table
Stage	Client	System																
1	Client is on home page (home.php)  Client selects “My restaurants”	Redirect client to my restaurants page {insert file name here}																
2	Client is on My restaurants page  Client selects add restaurant info	Redirect client to restaurant details form																
3	Client inputs food items																	
4	Client submits form	Connect to database  Insert restaurant information in Restaurants table																
Variations in success flow	xxx																	
Alternate paths	1. [Extension]: Restaurant/admin wants to update restaurant info																	
	<table border="1"> <thead> <tr> <th>Stage</th><th>Client</th><th>System</th></tr> </thead> </table>			Stage	Client	System												
Stage	Client	System																

	2a	Client is on my restaurants page  Client selects edit icon next to information table	Redirect client to restaurant details form
	3a	Client inputs new food items	
	4a	Client submits form	Connect to database  Update restaurant information in Restaurant table

## Use Case #6

Use case	View restaurant followers		
Description	Restaurant/admin views list of followers		
Actor(s)	Restaurant, admin		
Pre-condition	1. Restaurant/admin must be logged into the system		
Post-condition	1. Restaurant/admin is able to view followers for restaurant		
Basic Success flow	Stage	Client	System
	1	Client is on home page (home.php)  Client selects "My followers"	Redirect client to my followers page {insert file name here}
	2	Client is on my followers page  Client selects restaurant(s)	
	3	Client submits form	Connect to Database  Insert restaurant data into Follower table  Retrieve follower data, send to client
	4	Client views followers for given restaurant	
Variations in success flow	xxx		
Alternate paths	xxx		

## Use Case #7

Use case	View food item rating (restaurant)																	
Description	Restaurant/admin views food item ratings for their restaurant																	
Actor(s)	Member, Admin																	
Pre-condition	1. Restaurant/admin must be logged into the system 2. Restaurant/admin must have at least one food item posted in restaurant info																	
Post-condition	1. Member/admin is able to view food item ratings for a specified restaurant																	
Basic Success flow	<table border="1"> <thead> <tr> <th>Stage</th><th>Client</th><th>System</th></tr> </thead> <tbody> <tr> <td>1</td><td>Client is on home page (home.php)  Client selects “My Ratings” on home page</td><td>Redirect client to ratings file {insert file name here}</td></tr> <tr> <td>2</td><td>Client is on ratings page  Client selects their restaurant(s)</td><td></td></tr> <tr> <td>3</td><td>Client submits form</td><td>Connect to database  Retrieve rating data from Review table  Send rating data to client</td></tr> <tr> <td>4</td><td>Client views food item ratings of the specified restaurant(s)</td><td></td></tr> </tbody> </table>			Stage	Client	System	1	Client is on home page (home.php)  Client selects “My Ratings” on home page	Redirect client to ratings file {insert file name here}	2	Client is on ratings page  Client selects their restaurant(s)		3	Client submits form	Connect to database  Retrieve rating data from Review table  Send rating data to client	4	Client views food item ratings of the specified restaurant(s)	
Stage	Client	System																
1	Client is on home page (home.php)  Client selects “My Ratings” on home page	Redirect client to ratings file {insert file name here}																
2	Client is on ratings page  Client selects their restaurant(s)																	
3	Client submits form	Connect to database  Retrieve rating data from Review table  Send rating data to client																
4	Client views food item ratings of the specified restaurant(s)																	
Variations in success flow	xxx																	

Alternate paths	xxx
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## Use Case #8

Use case	Pay subscription																				
Description	Restaurant/admin pays monthly subscription for premium service																				
Actor(s)	Restaurant, admin																				
Pre-condition	1. Restaurant/admin must be logged into system 2. Restaurant must have premium status																				
Post-condition	1. Restaurant/admin pays subscription																				
Basic Success flow	<table border="1"> <thead> <tr> <th>Stage</th><th>Client</th><th>System</th></tr> </thead> <tbody> <tr> <td>1</td><td>Client is on home page (home.php)  Client selects “My restaurants”</td><td>Redirect client to my restaurants page {insert file name here}</td></tr> <tr> <td>2</td><td>Client is on my restaurants page  Client selects subscriptions tab</td><td>Redirect client to subscriptions page {insert file name here}</td></tr> <tr> <td>3</td><td>Client views subscriptions  Client selects “Pay” tab</td><td>Redirect client to payment page {insert file name here}</td></tr> <tr> <td>4</td><td>Client is on payment form  Client enters information</td><td></td></tr> <tr> <td>5</td><td>Client submits information</td><td>Connect to database  Insert client payment information into subscriptions table</td></tr> </tbody> </table>			Stage	Client	System	1	Client is on home page (home.php)  Client selects “My restaurants”	Redirect client to my restaurants page {insert file name here}	2	Client is on my restaurants page  Client selects subscriptions tab	Redirect client to subscriptions page {insert file name here}	3	Client views subscriptions  Client selects “Pay” tab	Redirect client to payment page {insert file name here}	4	Client is on payment form  Client enters information		5	Client submits information	Connect to database  Insert client payment information into subscriptions table
Stage	Client	System																			
1	Client is on home page (home.php)  Client selects “My restaurants”	Redirect client to my restaurants page {insert file name here}																			
2	Client is on my restaurants page  Client selects subscriptions tab	Redirect client to subscriptions page {insert file name here}																			
3	Client views subscriptions  Client selects “Pay” tab	Redirect client to payment page {insert file name here}																			
4	Client is on payment form  Client enters information																				
5	Client submits information	Connect to database  Insert client payment information into subscriptions table																			

			Send receipt to client
Variations in success flow	xxx		
Alternate paths	xxx		

## Use Case #9

Use case	Generate membership fee report																				
Description	Admin generates a report of a collected membership fee																				
Actor(s)	Admin																				
Pre-condition	1. Admin must be logged into the system 2. At least 1 restaurant has paid their membership fee																				
Post-condition	1. Admin is able to view a membership fee collection report																				
Basic Success flow	<table border="1"> <thead> <tr> <th>Stage</th><th>Client</th><th>System</th></tr> </thead> <tbody> <tr> <td>1</td><td>Client is on home page (home.php)  Client selects “Premium Members” link</td><td>Redirect client to members page {insert file name here}</td></tr> <tr> <td>2</td><td>Client is on members page, lenient selects subscriptions tab</td><td>Redirect client to subscription page {inset file name here}</td></tr> <tr> <td>3</td><td>Client views premium members, subscriptions stateuses, etc  Client selects “Generate a report”</td><td>Redirect client to report form</td></tr> <tr> <td>4</td><td>Client is on report form  Client selects restaurants to generate a collection fee report</td><td></td></tr> <tr> <td>5</td><td>Client submits request</td><td>Connect to server Insert report data</td></tr> </tbody> </table>			Stage	Client	System	1	Client is on home page (home.php)  Client selects “Premium Members” link	Redirect client to members page {insert file name here}	2	Client is on members page, lenient selects subscriptions tab	Redirect client to subscription page {inset file name here}	3	Client views premium members, subscriptions stateuses, etc  Client selects “Generate a report”	Redirect client to report form	4	Client is on report form  Client selects restaurants to generate a collection fee report		5	Client submits request	Connect to server Insert report data
Stage	Client	System																			
1	Client is on home page (home.php)  Client selects “Premium Members” link	Redirect client to members page {insert file name here}																			
2	Client is on members page, lenient selects subscriptions tab	Redirect client to subscription page {inset file name here}																			
3	Client views premium members, subscriptions stateuses, etc  Client selects “Generate a report”	Redirect client to report form																			
4	Client is on report form  Client selects restaurants to generate a collection fee report																				
5	Client submits request	Connect to server Insert report data																			

			into subscription table
			Return fee amounts to client
Variations in success flow	xxx		
Alternate paths	xxx		

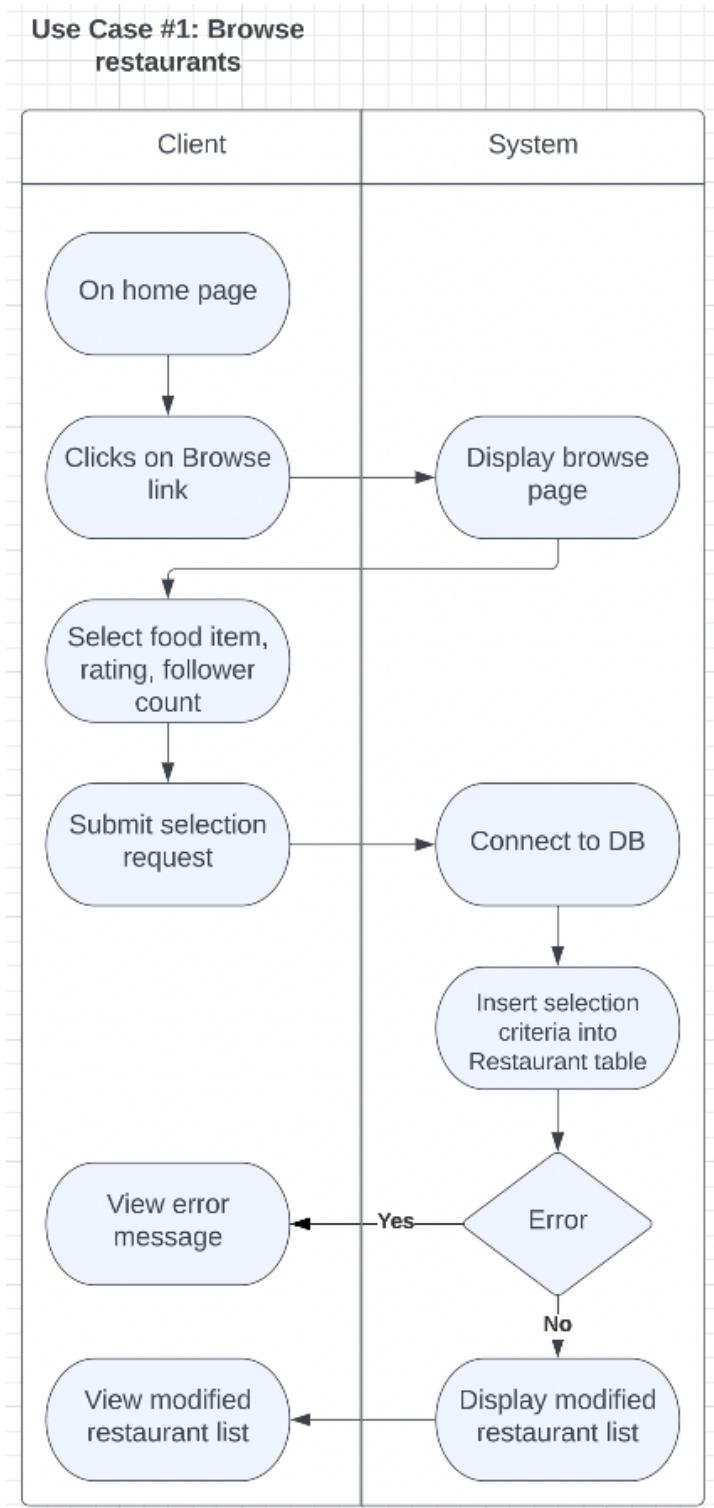
## Use Case #10

Use case	View/add/update/delete restaurant/member/food item/review																	
Description	Admin views/adds/updates/deletes any one of the fundamental parts of the system, those being: restaurant, member, food item, and review																	
Actor(s)	Admin																	
Pre-condition	<ol style="list-style-type: none"> <li>1. Admin must be logged into the system</li> <li>2. At least one restaurant/member/food item/review exists in the system</li> </ol>																	
Post-condition	<ol style="list-style-type: none"> <li>1. Admin is able to view/add/update/delete a restaurant/member/food item/review of their choosing</li> </ol>																	
Basic Success flow	<table border="1"> <thead> <tr> <th>Stage</th><th>Client</th><th>System</th></tr> </thead> <tbody> <tr> <td>1</td><td>           Client is on home page (home.php)            Client selects “System” link on homepage         </td><td>           Redirect client to master system page {insert file here}         </td></tr> <tr> <td>2</td><td>           Client is on master system page            Client selects restaurant, member, food item, or review that they want to view, update, add, or delete.         </td><td></td></tr> <tr> <td>3</td><td>           Client selects submit         </td><td>           Redirect client to Restaurant, member, food item, or review table         </td></tr> <tr> <td>4</td><td>           Client views specified table and/or selects option: update, add,         </td><td></td></tr> </tbody> </table>			Stage	Client	System	1	Client is on home page (home.php) Client selects “System” link on homepage	Redirect client to master system page {insert file here}	2	Client is on master system page Client selects restaurant, member, food item, or review that they want to view, update, add, or delete.		3	Client selects submit	Redirect client to Restaurant, member, food item, or review table	4	Client views specified table and/or selects option: update, add,	
Stage	Client	System																
1	Client is on home page (home.php) Client selects “System” link on homepage	Redirect client to master system page {insert file here}																
2	Client is on master system page Client selects restaurant, member, food item, or review that they want to view, update, add, or delete.																	
3	Client selects submit	Redirect client to Restaurant, member, food item, or review table																
4	Client views specified table and/or selects option: update, add,																	

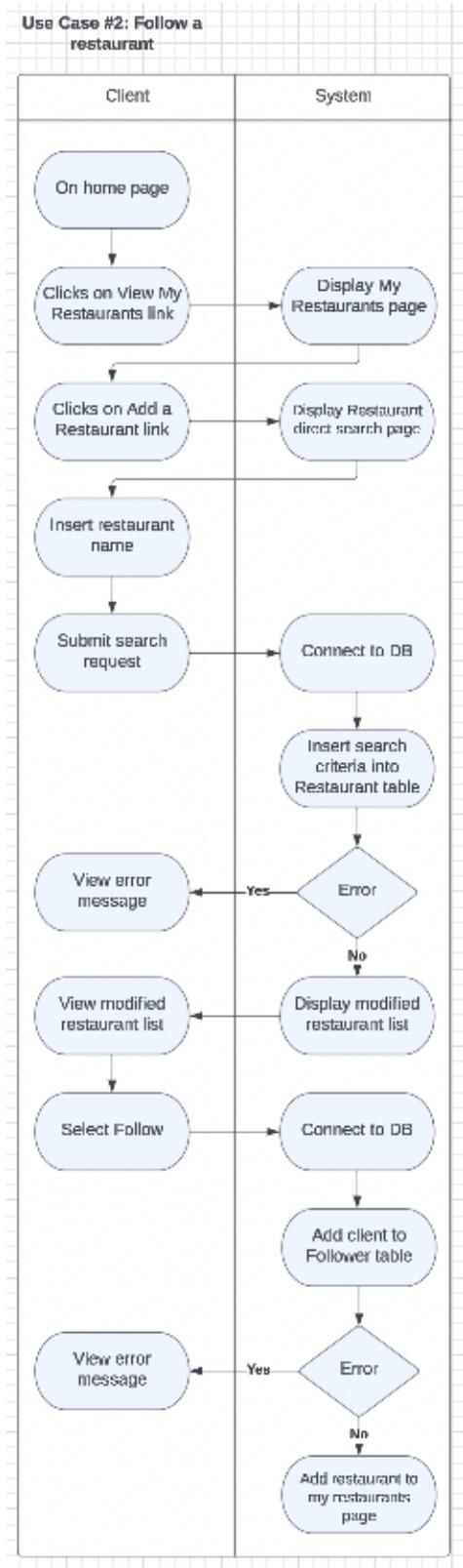
		or delete	
	5	Client submits form	Connect to DB  Update, add, or delete data from specified table  Display changes to specified restaurant, member, food item, or review
	6	Client views modified restaurant, member, food item, or review	
Variations in success flow	xxx		
Alternate paths	xxx		

## Use Case Activity Diagrams

### Use Case #1

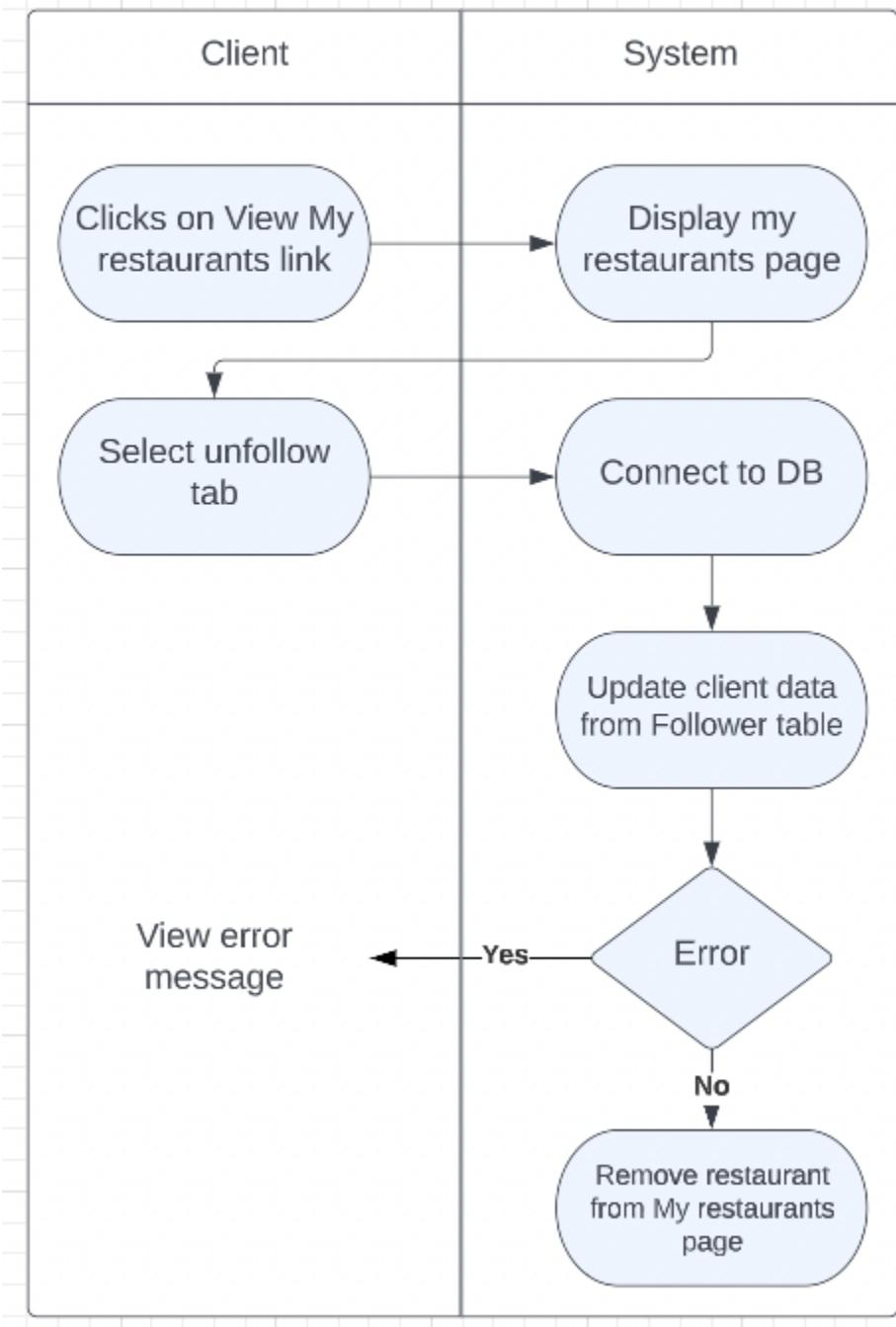


## Use Case #2

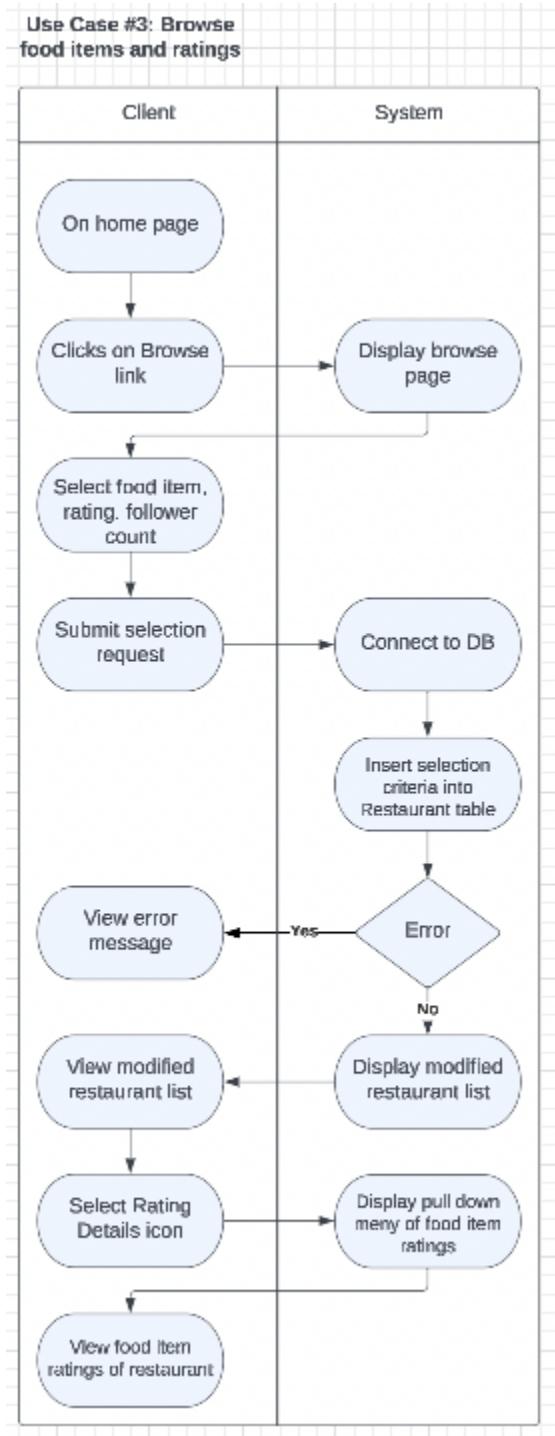


## Use Case #2 (Extension)

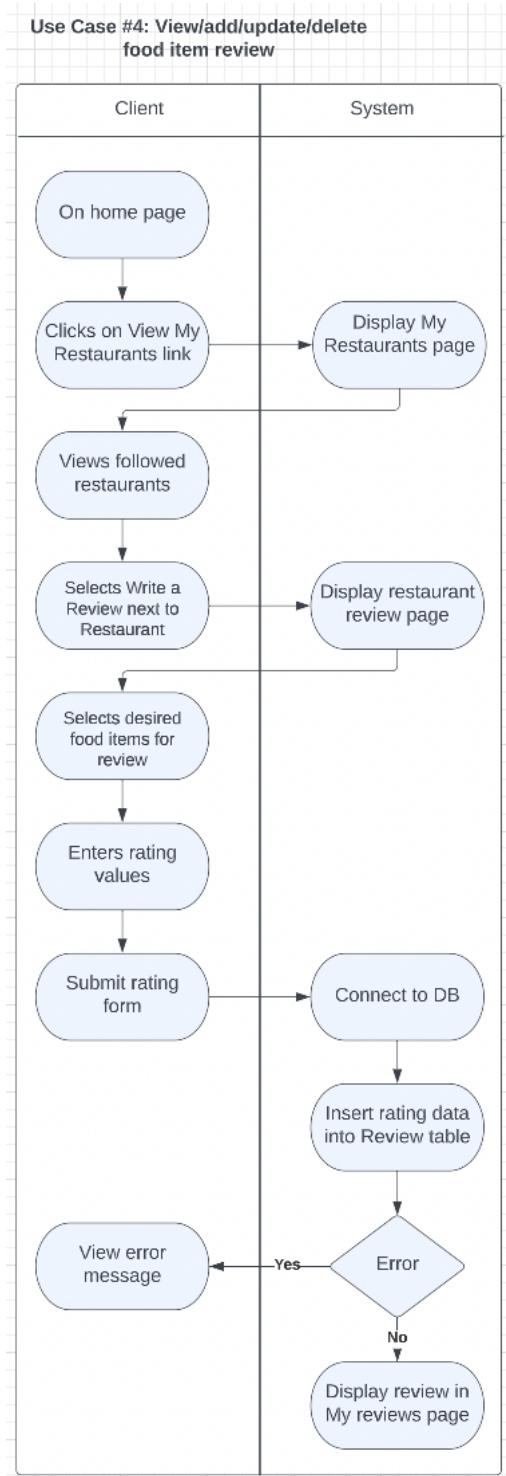
### Use Case #2: Follow a restaurant [Extends]: Unfollow a restaurant



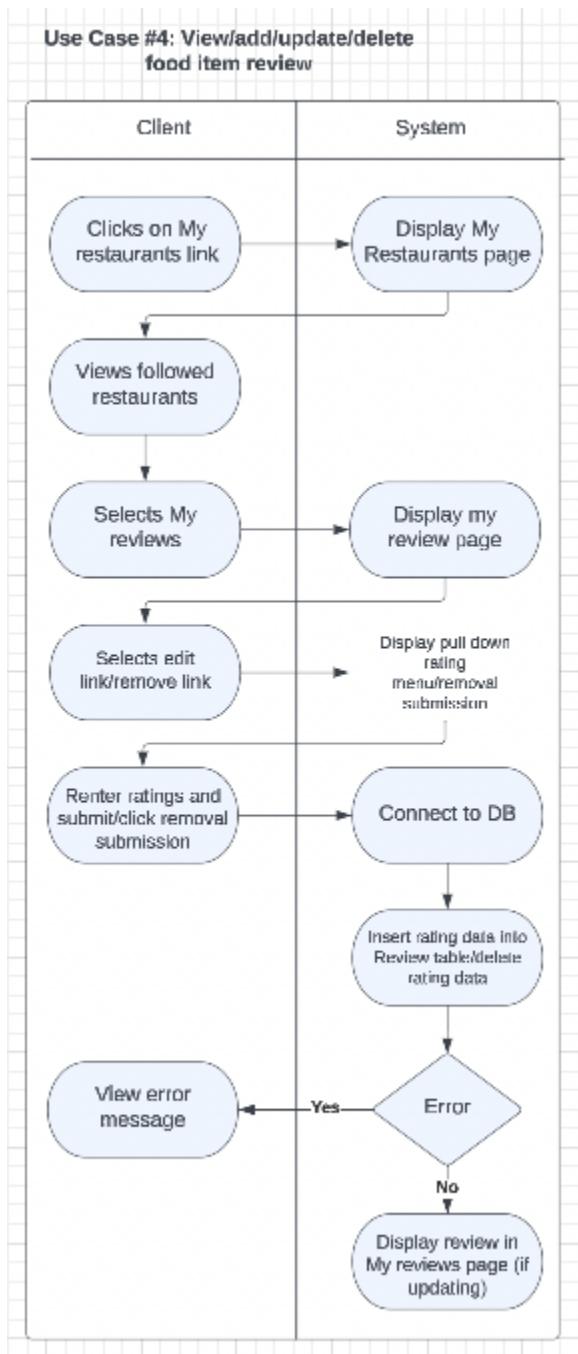
### Use Case #3



## Use Case #4

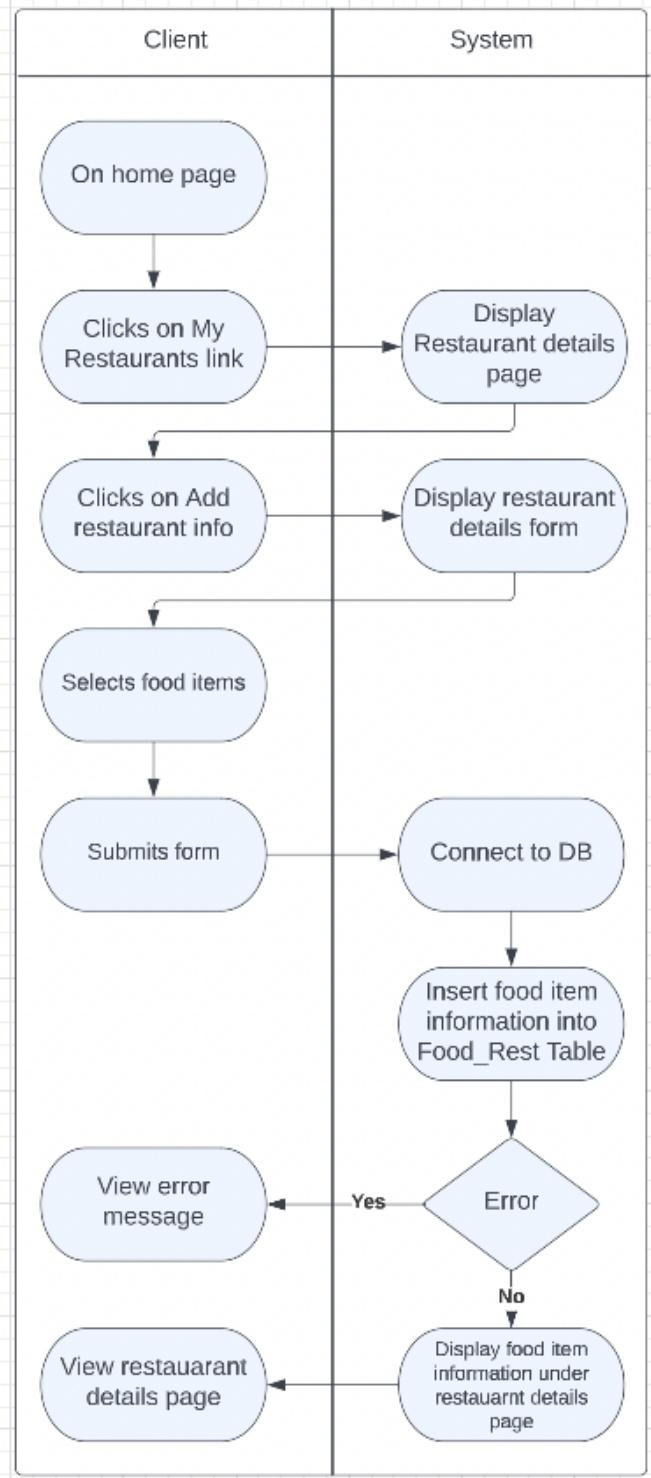


## Use Case #4 Extension



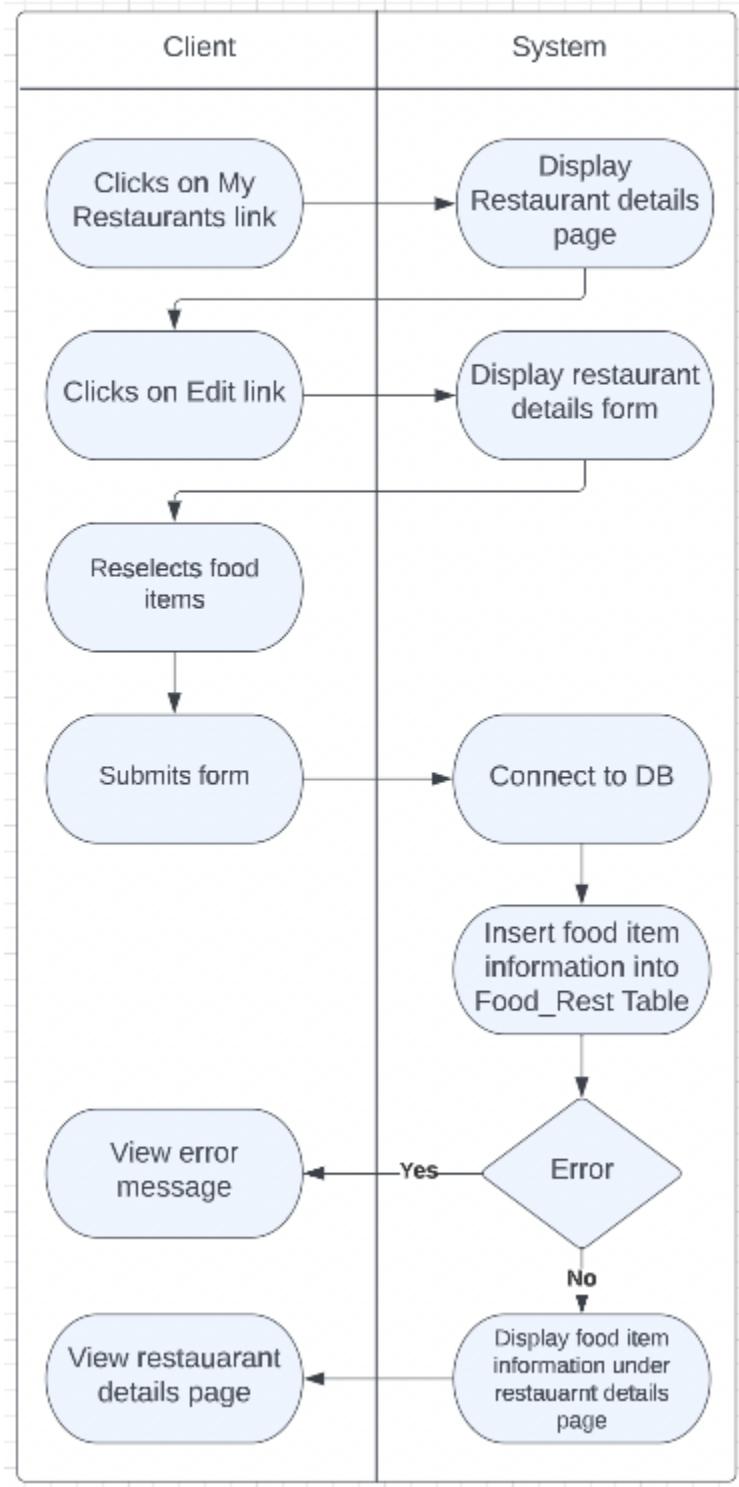
## Use Case #5

**Use Case #5: View/update/add  
restaurant info**

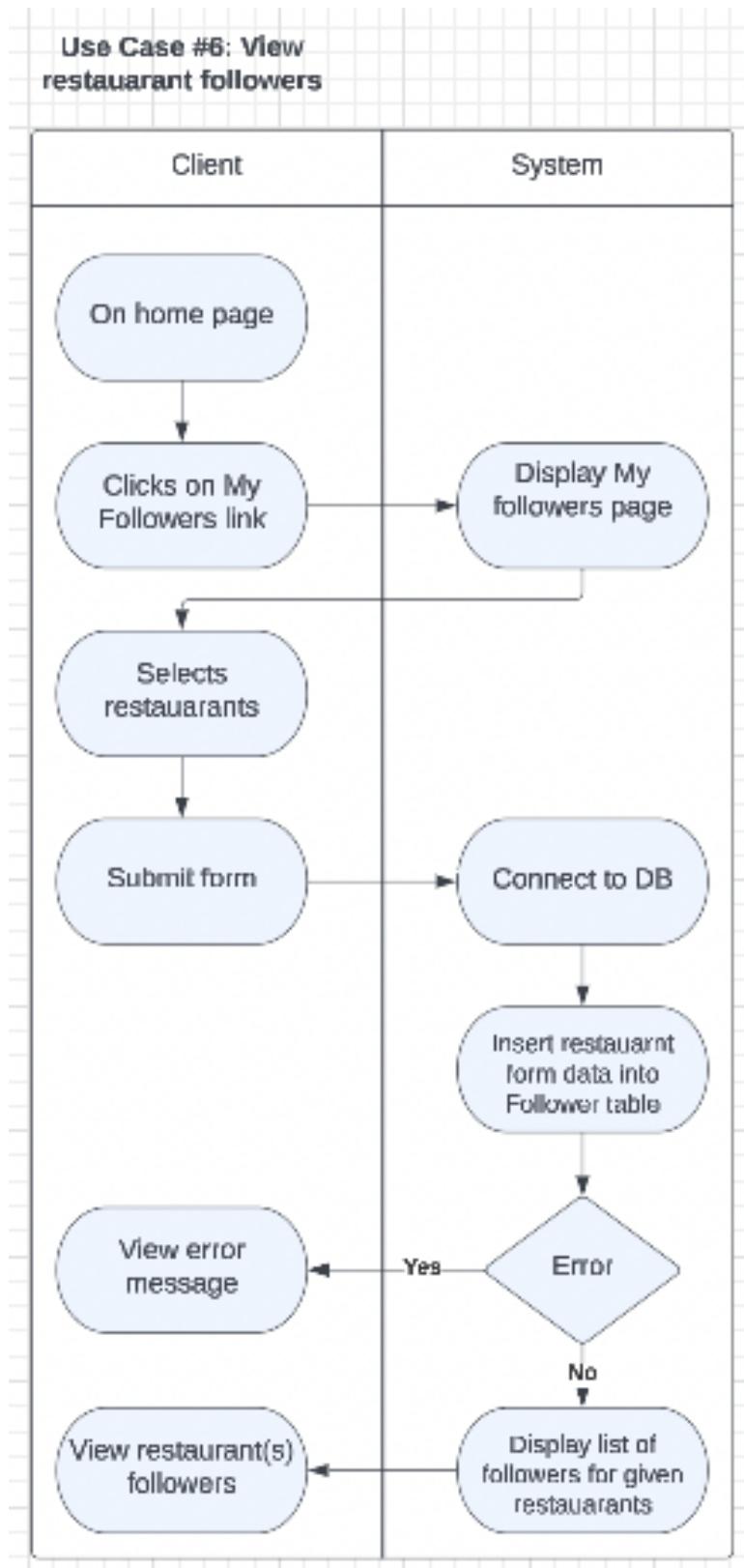


## Use Case Story #5 (Extension)

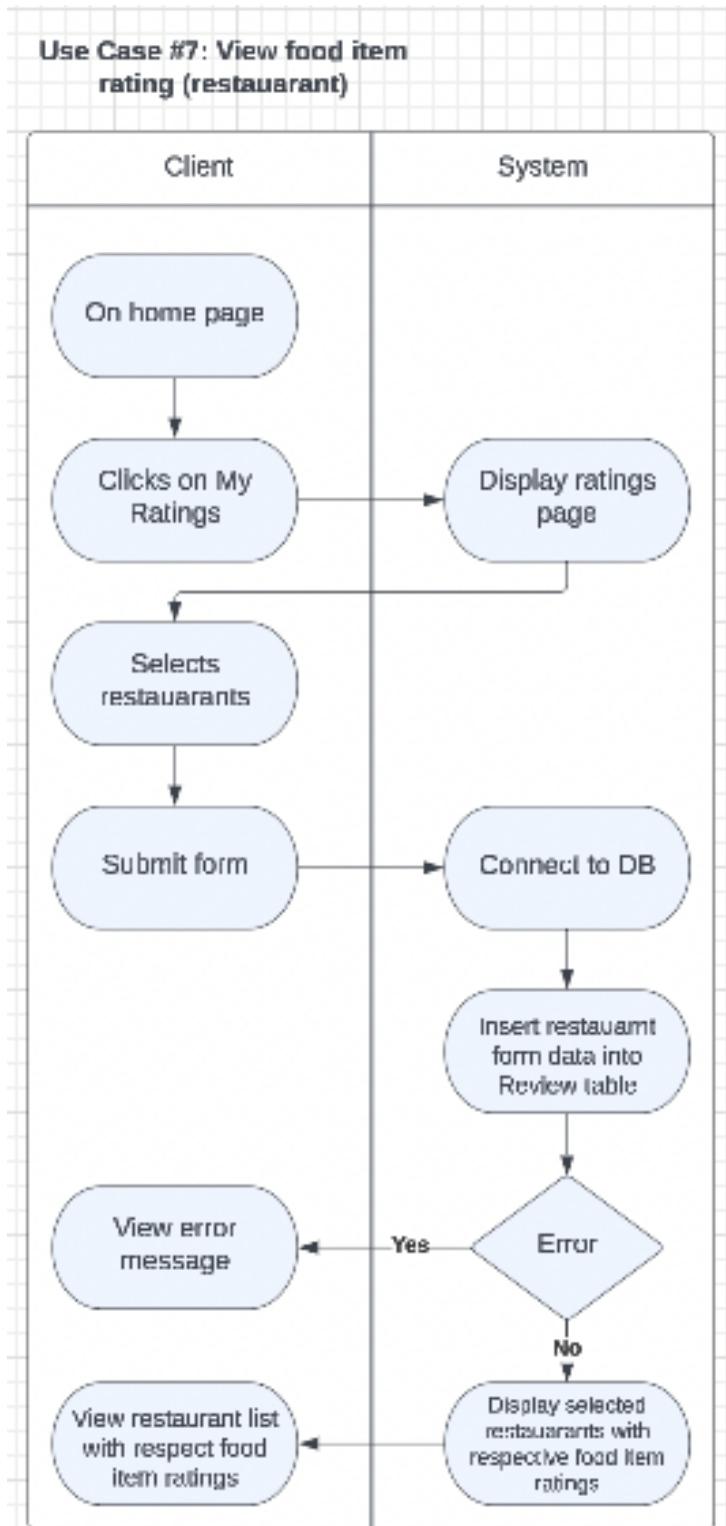
**Use Case #5: View/update/add  
restaurant info [Extension]:  
Update restaurant info**



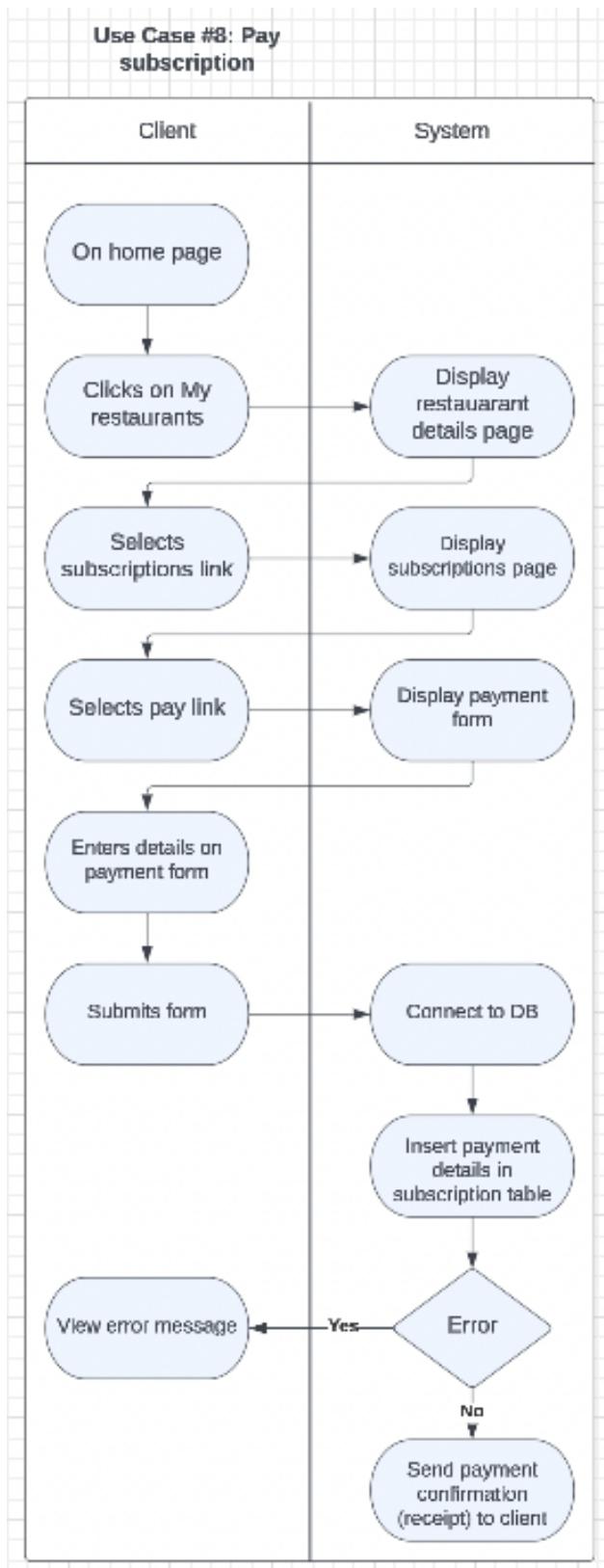
## Use Case #6



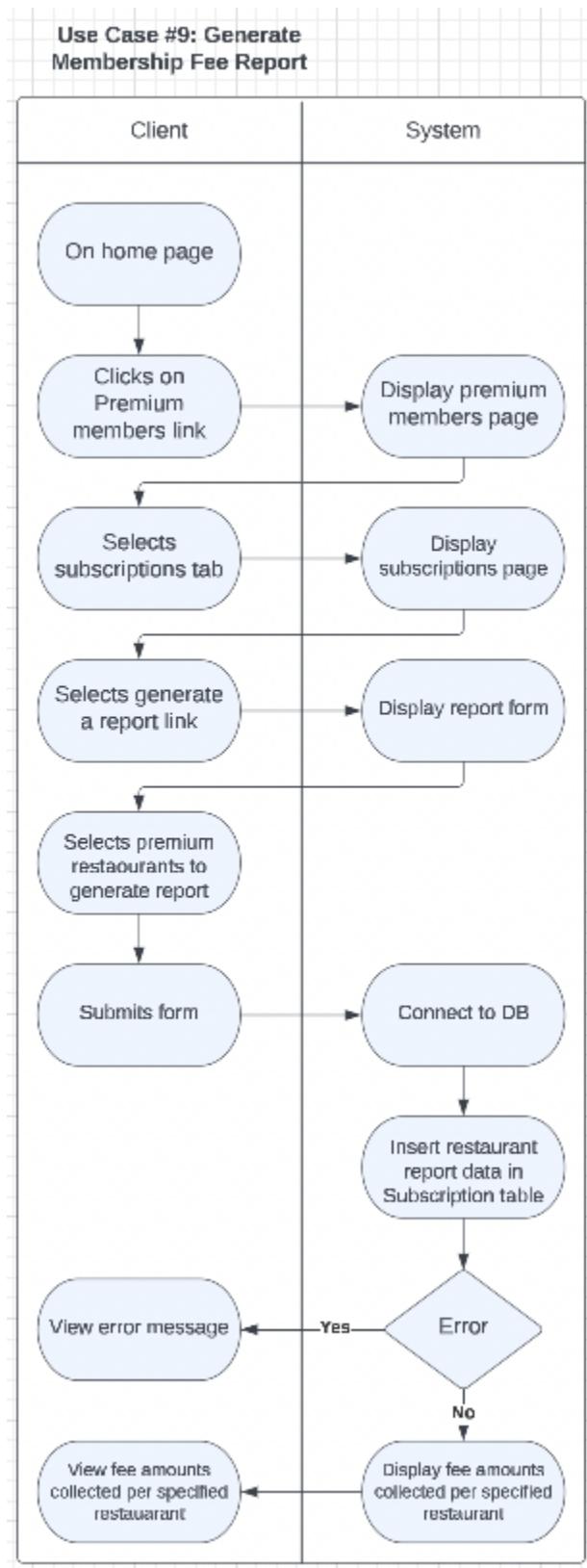
## Use Case #7



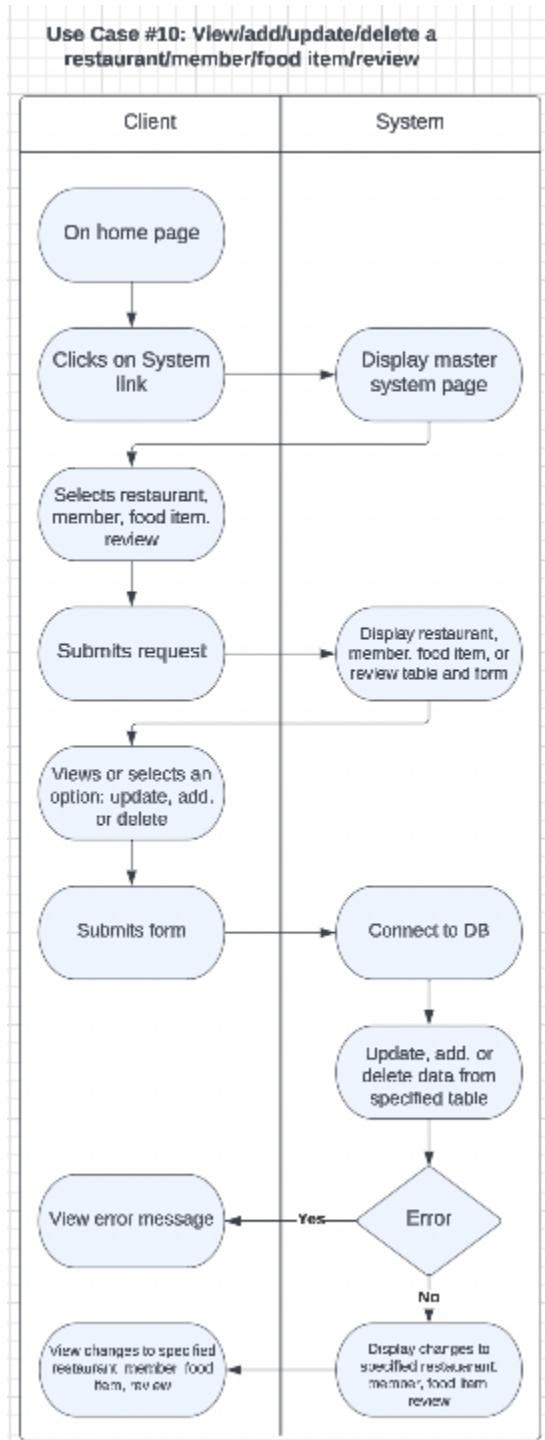
## Use Case #8



## Use Case #9



## Use Case #10



## Wire Frame Diagrams

### UseCase1

**Home**

**Browse**

#### **RESTAURANT**

Food Item:

Rating:

Follower Counter:

**SUBMIT**

**Results**

[www.spaghettihouse.com](http://www.spaghettihouse.com)

[www.italiandream.com](http://www.italiandream.com)

[www.pizzaheaven.com](http://www.pizzaheaven.com)

## UseCase2

<http://www.restaurantreviews.com>

### Home

**View My Restaurants** → **My Restaurants** → **Add a Restaurant**

**RESTAURANT NAME:**

**SEARCH**

### Results

[www.spaghettihouse.com](http://www.spaghettihouse.com)

<http://www.restaurantreviews.com>

### Home

**View My Restaurants** → **My Restaurants** → **Add a Restaurant**

**Spaghetti House**

**Following**

**Following List**

**1. Spaghetti House**

(Added to 'My Restaurants' Page)

## UseCase3

**Home**

Browse

### **RESTAURANT**

Food Item:

Rating:

Follower Counter:

**SUBMIT**

**Results**

[www.spaghettihouse.com](http://www.spaghettihouse.com) View Food Item Ratings

[www.italiandream.com](http://www.italiandream.com)

[www.pizzaheaven.com](http://www.pizzaheaven.com)

**Home**

Browse

### **RESTAURANT**

Food Item:

Rating:

Follower Counter:

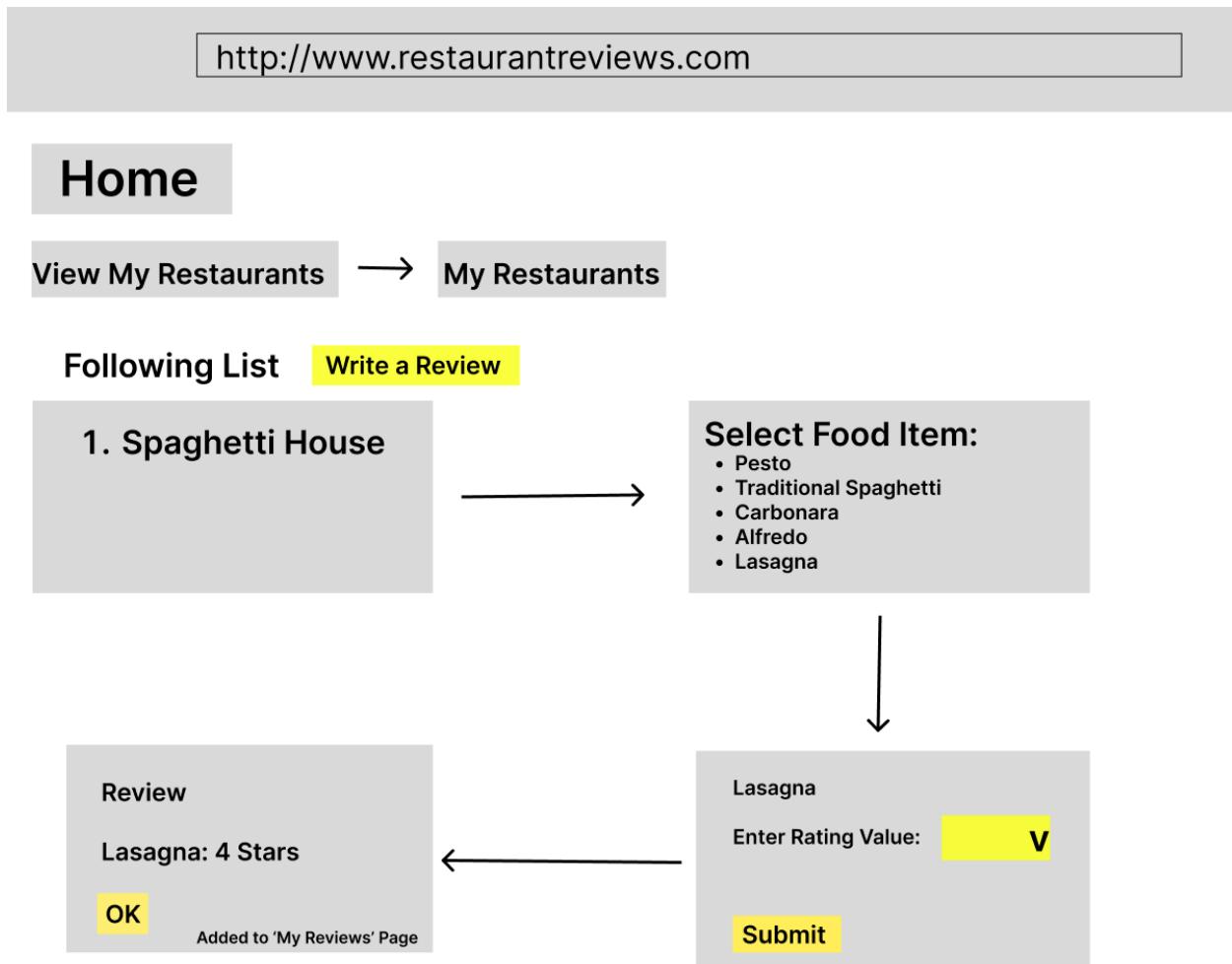
**SUBMIT**

**Results**

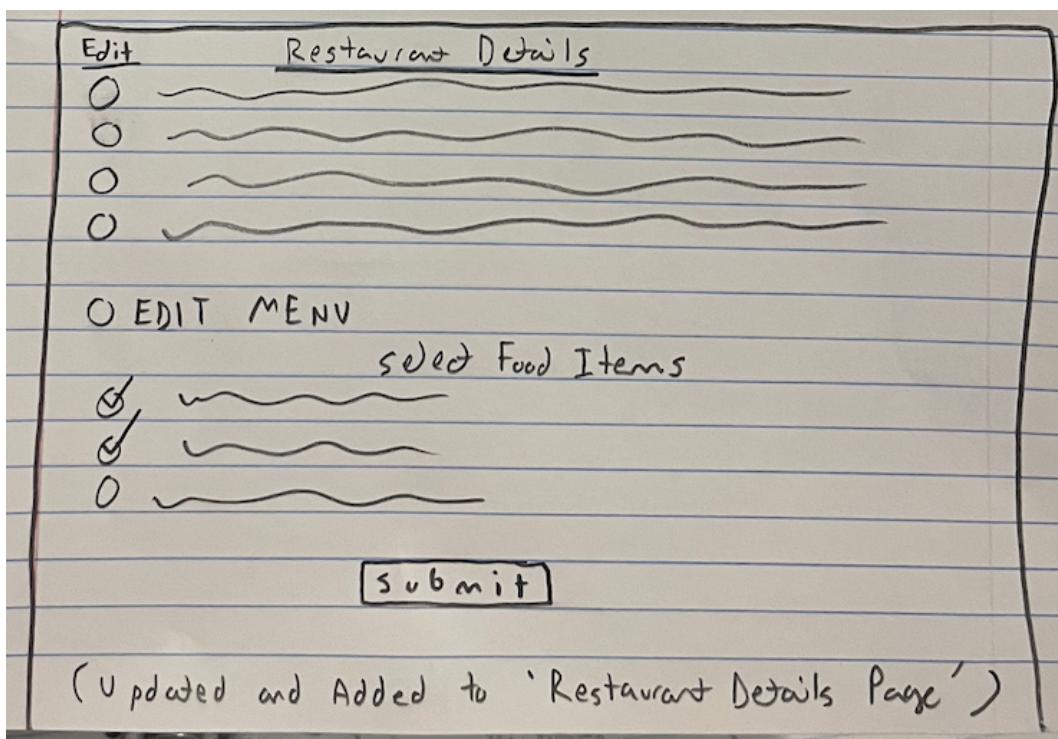
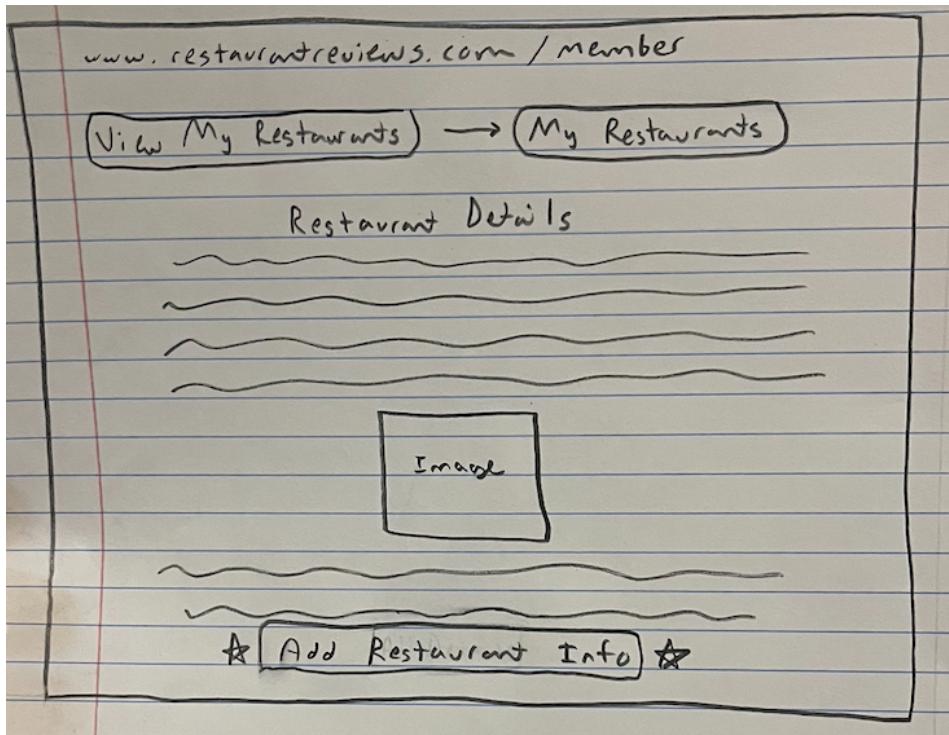
[www.spaghettihouse.com](http://www.spaghettihouse.com) V

- Pesto (5 stars)
- Traditional Spaghetti (5 stars)
- Carbonara (4.5 stars)
- Alfredo (4.5 stars)
- Lasagna (4 stars)

## UserCase4



## UserCase5



## UserCase6

www.restaurantreviews.com/member  
HOME → My Followers

My Followers

My Followers

- User 32
- Wendy Williams
- Trentgrid Maker

(view more)

HOME → Restaurants

Spaghetti House

View Followers

- Tim Parker 667
- Josh N 33
- Pizza Lover Boy

(view more)

## UserCase7

www.restaurantreviews.com /number

HOME → My Restaurant → Display Ratings Page

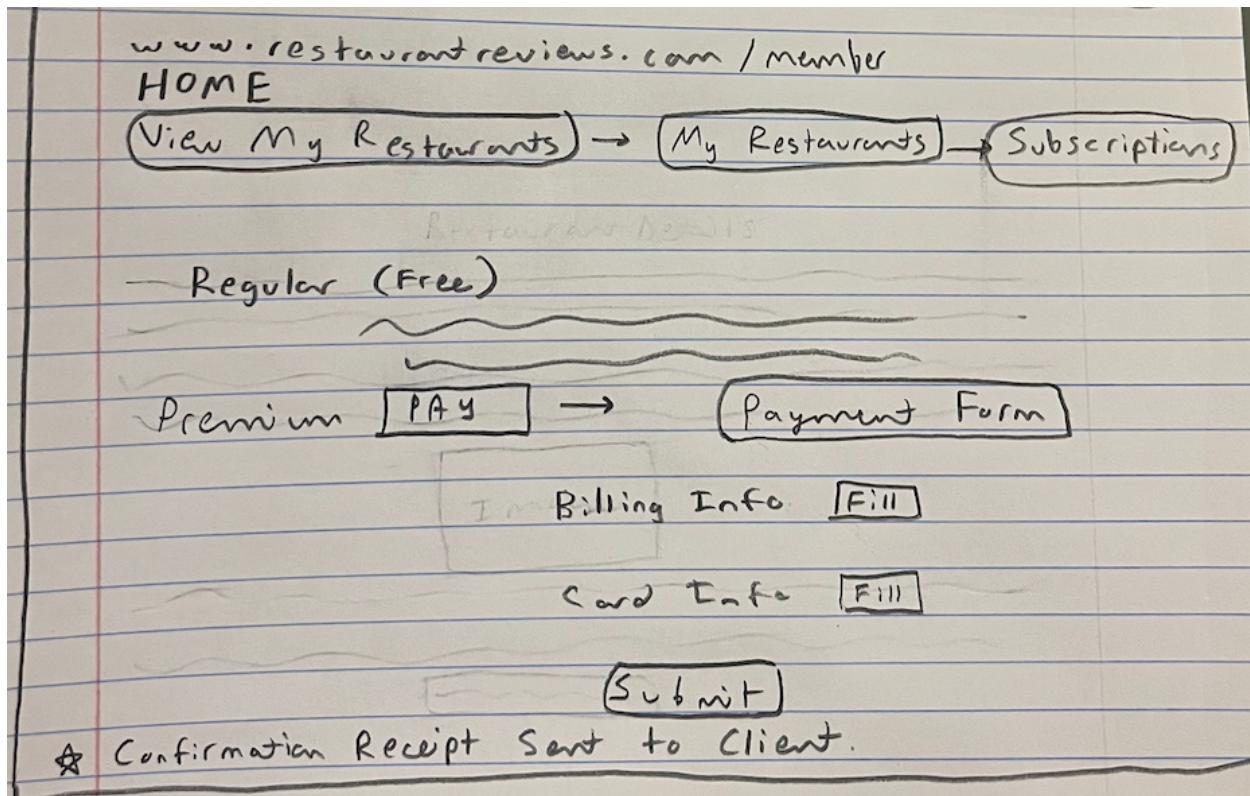
Select Restaurants

Spaghetti House   Olive Grove

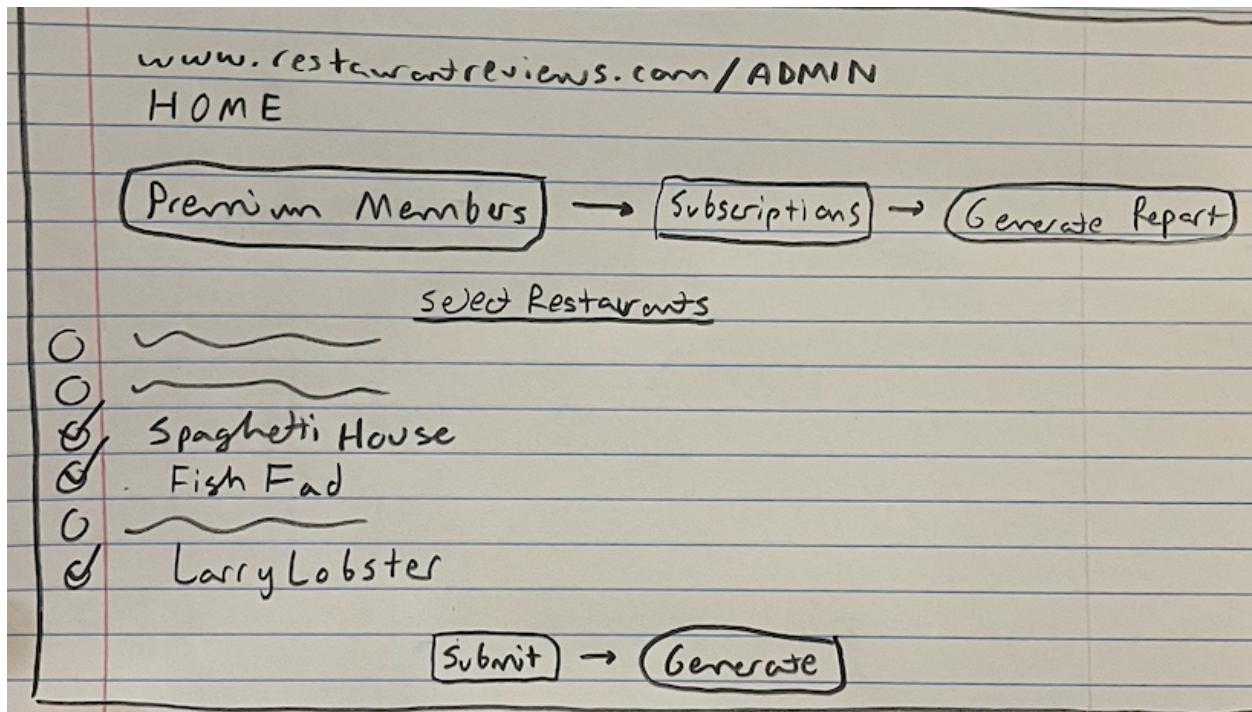
**(View Selected Restaurants)**

- Spaghetti House
  - Seafood Spaghetti 5 Stars
  - Vegan Fettuccini 4 Stars
  - Garlic Bread 3.5 Stars
  - (view more)
- Olive Grove
  - Beef Fondue 4.5 Stars
  - Korean Pork 5 Stars
  - Stirfry 4.5 Stars
  - (view more)

## UserCase8



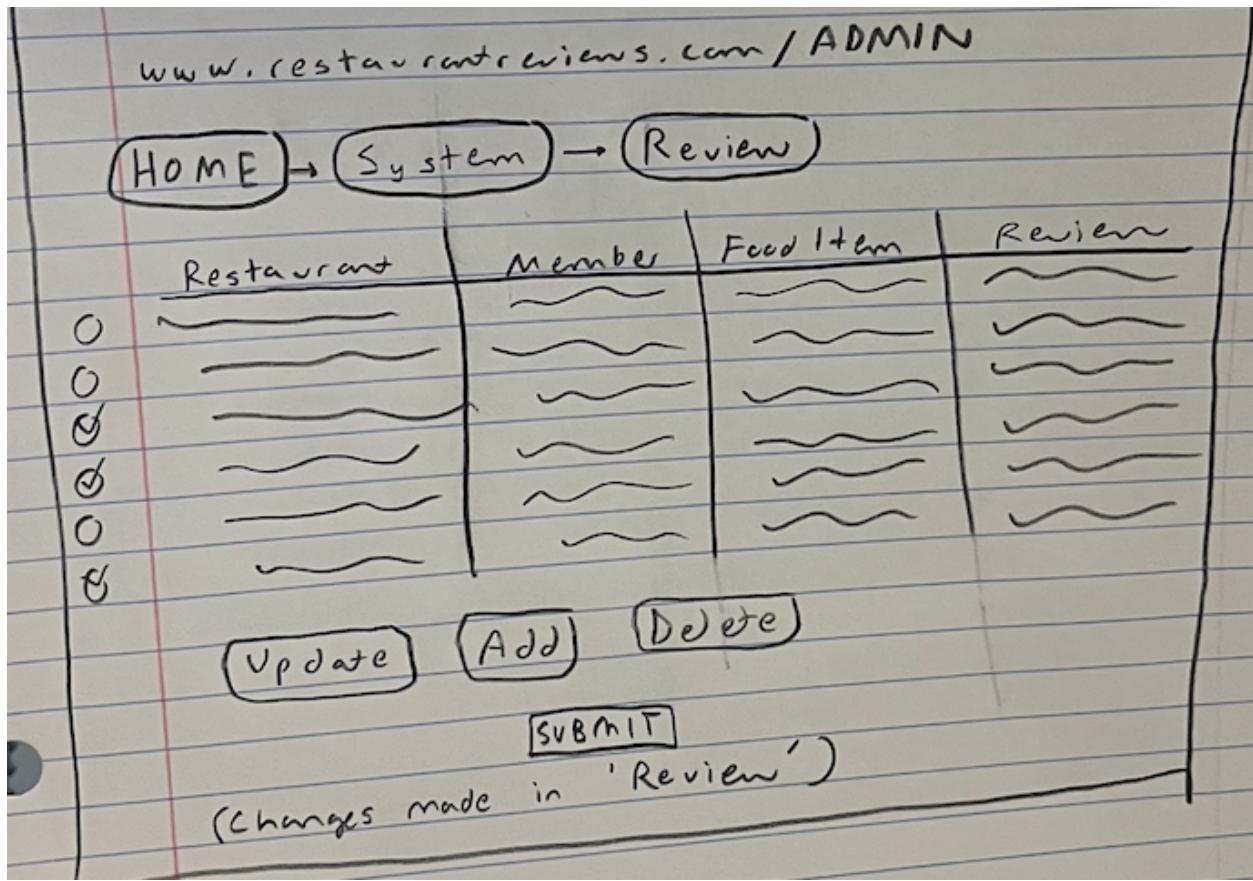
## UserCase9



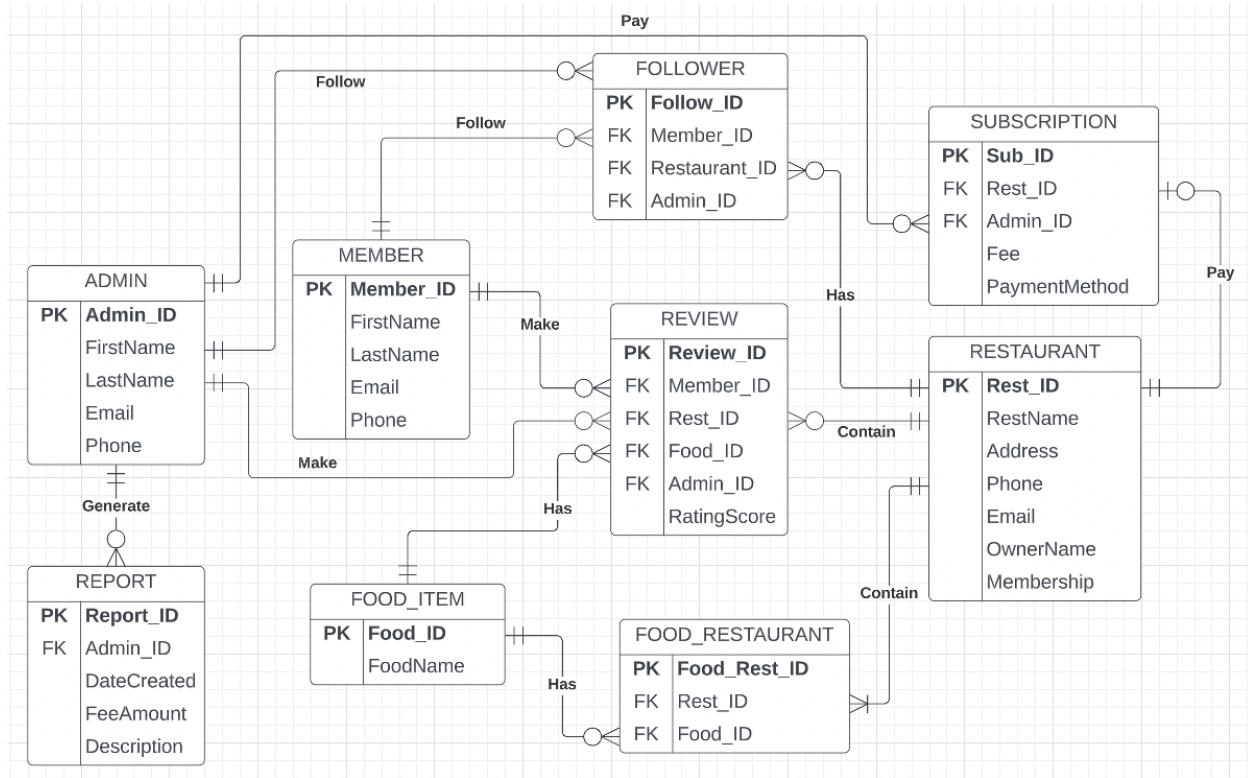
Report

<u>Restaurant</u>	<u>Fee Amounts</u>
~~~~~	\$xxxxxx
~~~~~	\$xxx
~~~~~	\$xx
~~~~~	\$xx xx
~~~~~	\$x
~~~~~	\$xx

## UserCase10



## ERD



## **The Role of Ethics and Critical Thinking:**

In developing the front-end pages for this restaurant review application, it is important to consider the ethical implications of designing a system that both collects and displays user-generated content. Users will be providing personal information, opinions, and potentially sensitive data, such as their food preferences and location. Therefore, it is essential to prioritize user privacy and security, and ensure that their data is only accessible to authorized administrators. Additionally, users must have the ability to control their own data, including the ability to delete their reviews and other content if they wish.

It is important to consider the potential biases that could be introduced through user-generated content. Reviews may be subject to personal biases that may offend and target other users. Additionally, the way reviews are displayed on the app could influence user behavior, such as if reviews are displayed in a way that emphasizes negative comments. It is important to carefully consider the design of the review system to minimize these biases.

When implementing the premium membership feature, it is important to be transparent about how this will impact the app's rankings and recommendations. It is important to ensure that premium membership does not unjustly influence the ranking of restaurants or food items, and that users are still able to access a wide range of options regardless of premium membership status. It is also important to ensure that premium membership does not give any advantages in terms of data privacy or security.

Our platform takes the role of ethics and critical thinking incredibly seriously, and we want to ensure that users are able to trust the app and feel confident in sharing their opinions and personal information. By prioritizing user privacy and security, accessibility, and minimizing biases, the app can provide a valuable and trustworthy resource for both users and members (restaurants).