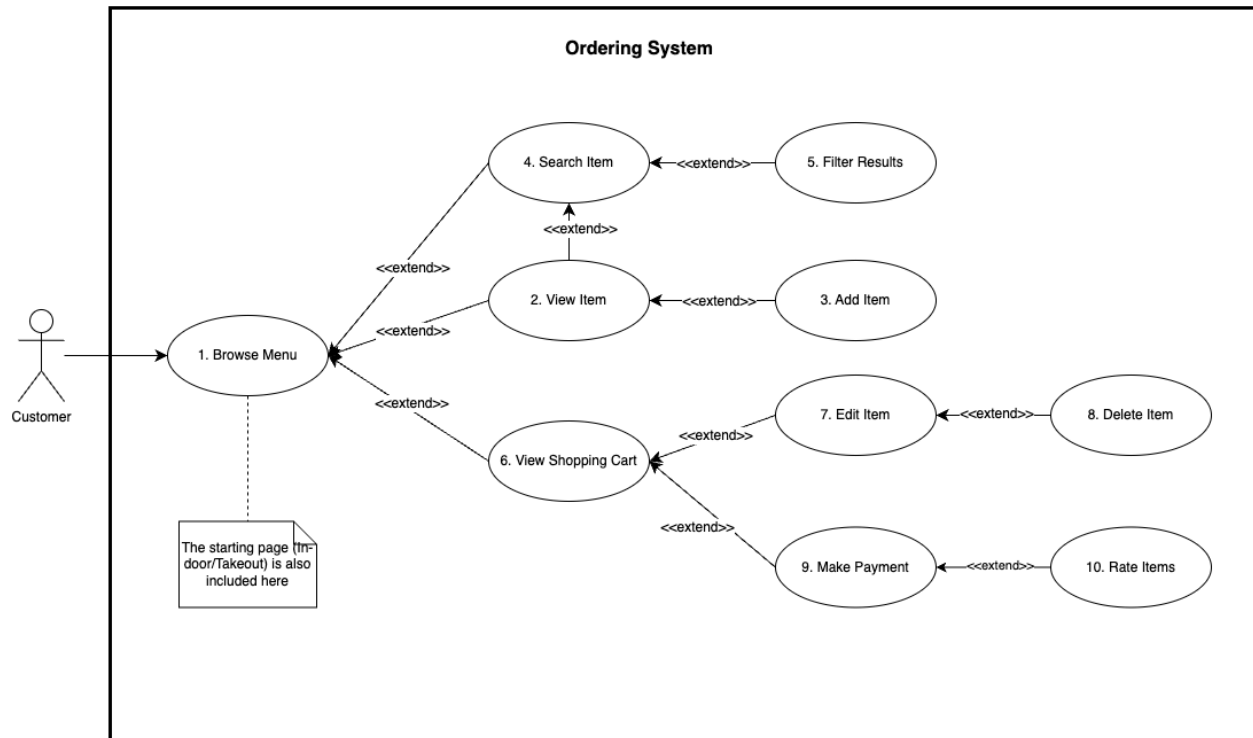


## Use Case Diagram

### Use case Diagram of the In-store Food-ordering System



UC Reference Name: Browse Menu	
UC Reference Number	UC1
Overview	After the start page, users will be able to see the menu page. In this page, they can see all of the items that are offered in this restaurant. They can choose to search or view item details on. The list of items will be grabbed from the text file. They can also visit the shopping cart.
Related use cases	Browse Menu ← <<extend>> – Search Item Browse Menu ← <<extend>> – View Item Browse Menu ← <<extend>> – Shopping Cart
Actors	User
Pre Conditions	The user has to pick takeouts or in store dinning before being transfer to menu
Post Conditions	There are 3 options: search, view shopping cart, and view item.

UC Reference Name: View Item	
UC Reference Number	UC2
Overview	When users are on the menu or search view page, they can select the items as they want and transfer to the view item page. The page will provide options to select size and input quantity. There are also 2 options: add item to cart or return to the previous page.
Related use cases	Browse Menu ← <<extend>> – View Item View Item ← <<extend>> – Add Item Search Item ← <<extend>> – View Item
Actors	User
Pre Conditions	The user has to be on the menu or search page and select the specific item.
Post Conditions	The user will see the options to input size and quantity. There are also options to add the item to the shopping cart or return to the menu/search page.

UC Reference Name: Add Item	
UC Reference Number	UC3
Overview	When users are on the view item page, they can select the size of the item from small, medium, large. Then they can enter the quantity that must be greater than or equal to 1. After that, they can add the item to the shopping cart. Different sizes correspond to different prices. Thus, it will affect the total bill price.
Related use cases	View Item ← <<extend>> – Add Item
Actors	User
Pre Conditions	The user has to be on the view item page and select a size and input a quantity greater than or equal to 1.
Post Conditions	After adding the product, it will be reflected in the shopping cart. The user will return to the menu page. If they fail to add it to the cart, a window will pop out and notify the user. Users will stay on the view item page.

<b>UC Reference Name: Search Item</b>	
<b>UC Reference Number</b>	UC4
<b>Overview</b>	User can search by item name in the menu
<b>Related use cases</b>	Browse Menu ← <<extend>> – Search Item Search Item ← <<extend>> – Filter Results Search Item ← <<extend>> – View Item
<b>Actors</b>	User
<b>Pre Conditions</b>	User is redirected to search page from the browse menu page
<b>Post Conditions</b>	Search results are displayed and this attempt is saved to search history

<b>UC Reference Name: Filter Results</b>	
<b>UC Reference Number</b>	UC5
<b>Overview</b>	User can refine their search by apply filters for category and rating
<b>Related use cases</b>	Search Item ← <<extend>> – Filter Results
<b>Actors</b>	User
<b>Pre Conditions</b>	User is on the search page and “Apply Filter” is checked
<b>Post Conditions</b>	Filtered search results are displayed, and this attempt is saved to search history

<b>UC Reference Name: View Shopping Cart</b>	
<b>UC Reference Number</b>	UC6
<b>Overview</b>	User can review the items (name, size, quantity and unit price) they have selected, the total count and total price
<b>Related use cases</b>	Browse Menu ← <<extend>> – View Shopping Cart View Shopping Cart ← <<extend>> – Edit Item

<b>Actors</b>	User
<b>Pre Conditions</b>	User is redirected to the cart from the browse menu page
<b>Post Conditions</b>	Selected items are displayed in the order they were chosen, total count and total price are calculated

<b>UC Reference Name: Edit Item</b>	
<b>UC Reference Number</b>	UC7
<b>Overview</b>	User can edit an item in the shopping cart
<b>Related use cases</b>	View Shopping Cart ← <<extend>> – Edit Item Edit Item ← <<extend>> – Delete Item
<b>Actors</b>	User
<b>Pre Conditions</b>	User has selected an item to edit
<b>Post Conditions</b>	The item with edited size and/or quantity is updated in the cart

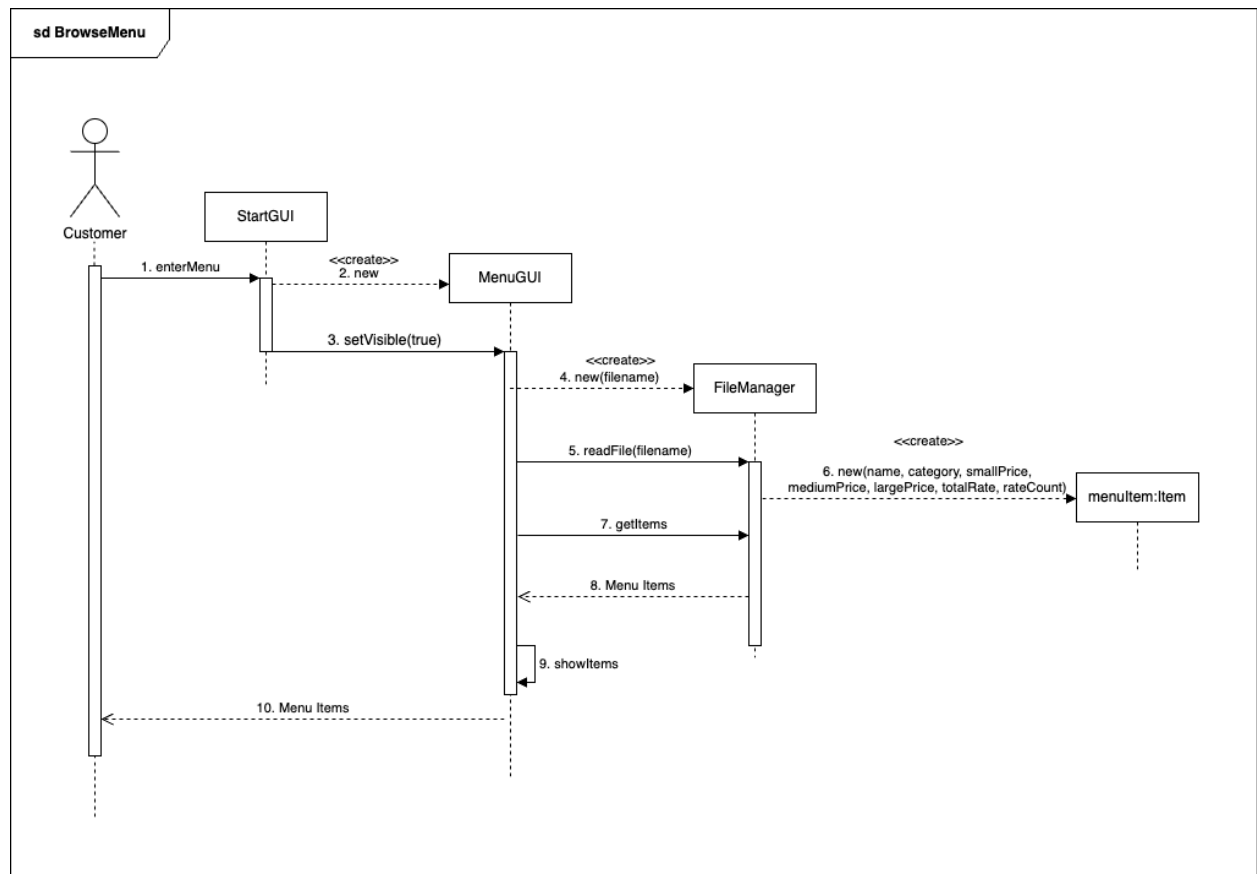
<b>UC Reference Name: Delete Item</b>	
<b>UC Reference Number</b>	UC8
<b>Overview</b>	User can delete an item from the shopping cart
<b>Related use cases</b>	Edit Item ← <<extend>> – Delete Item
<b>Actors</b>	User
<b>Pre Conditions</b>	User has selected an item to edit
<b>Post Conditions</b>	The selected item will be removed from the shopping cart

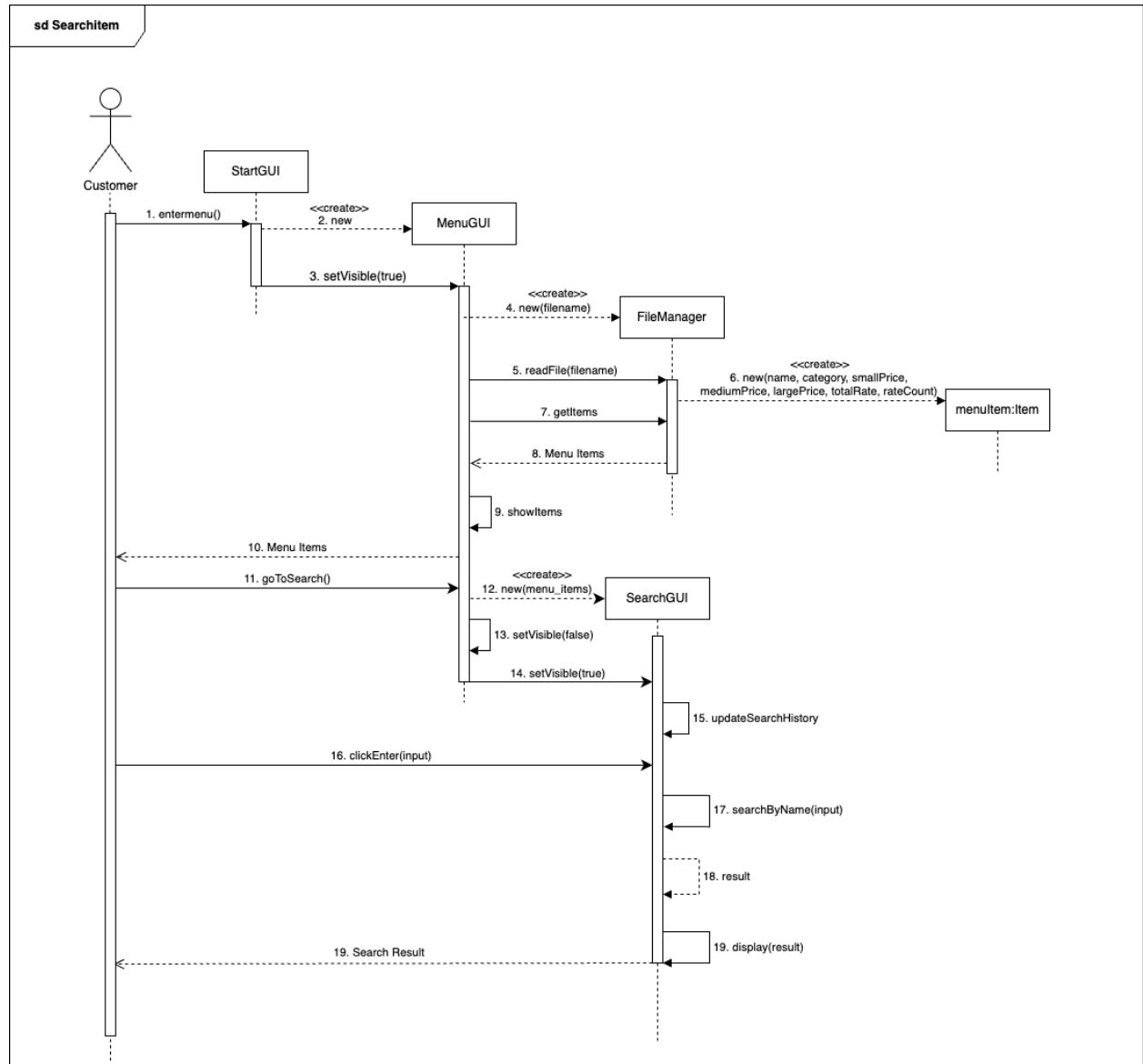
<b>UC Reference Name: Make Payment</b>	
<b>UC Reference Number</b>	UC9
<b>Overview</b>	User can apply valid promo code and select a payment method
<b>Related use cases</b>	View shopping cart ← <<extend>> – Make Payment

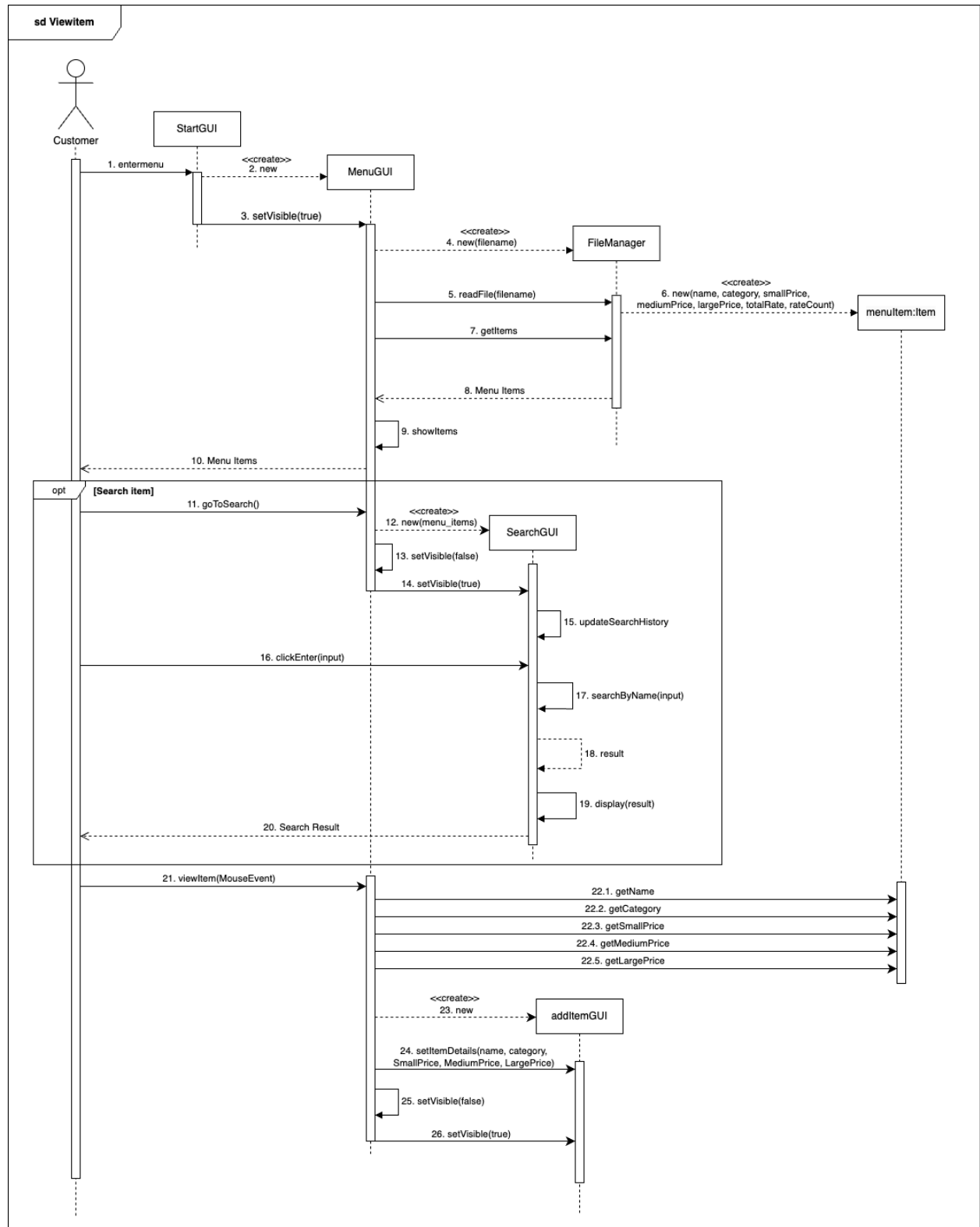
<b>Actors</b>	User
<b>Pre Conditions</b>	User is redirected from the cart to the Payment page
<b>Post Conditions</b>	The payment is processed, and the order is confirmed.

<b>UC Reference Name: Rate Items</b>	
<b>UC Reference Number</b>	UC10
<b>Overview</b>	User can rate each purchased item on a scale of 0 to 5 star from the cart
<b>Related use cases</b>	Make Payment ← <<extend>> – Rate Items
<b>Actors</b>	User
<b>Pre Conditions</b>	User has successfully made a purchase User is redirected from the Waiting page to the Rating page
<b>Post Conditions</b>	The user's ratings for the purchased items are saved and can be viewed or updated later. The average rating for each item is updated in the system based on the user's rating.

# Sequence Diagram

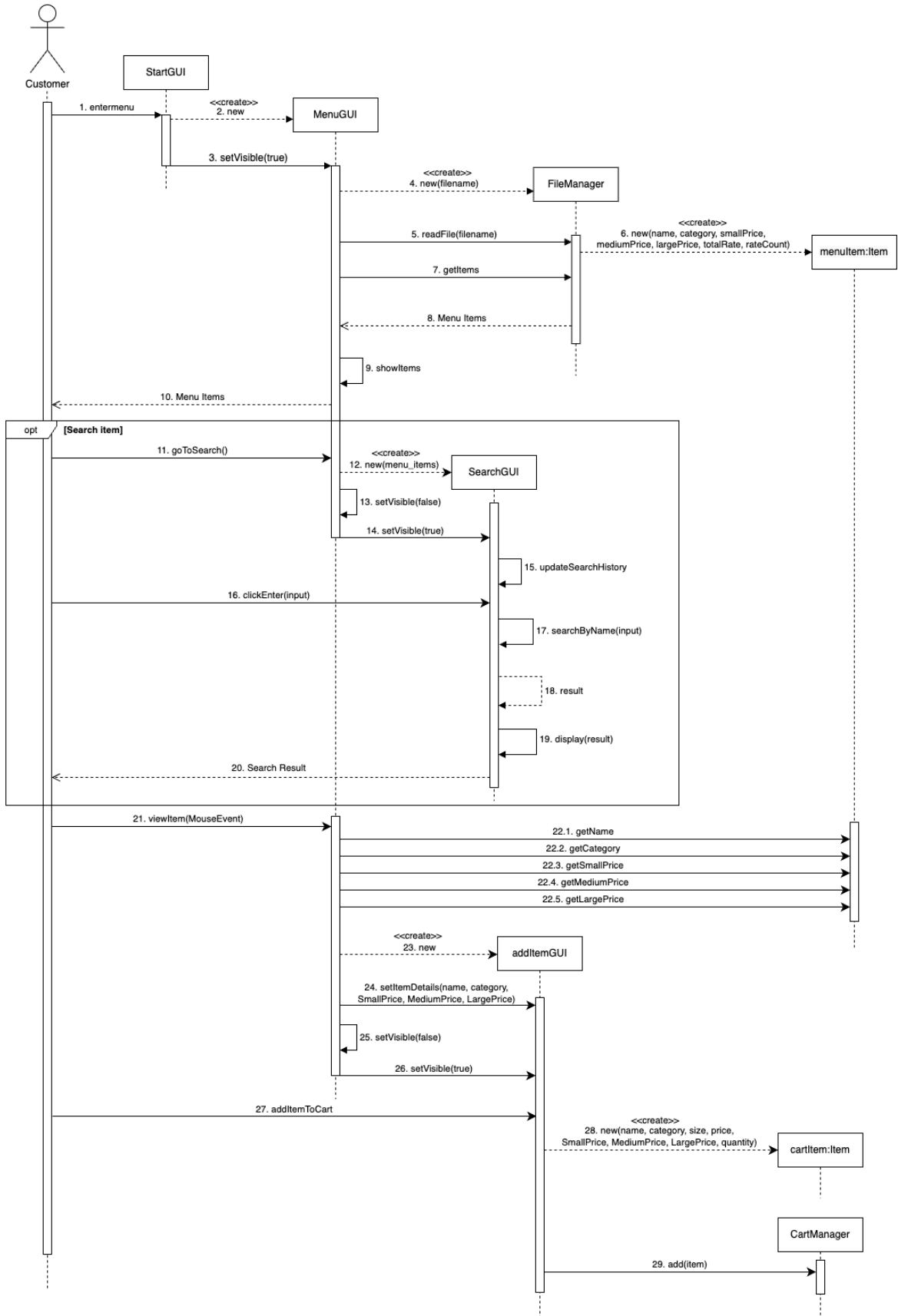




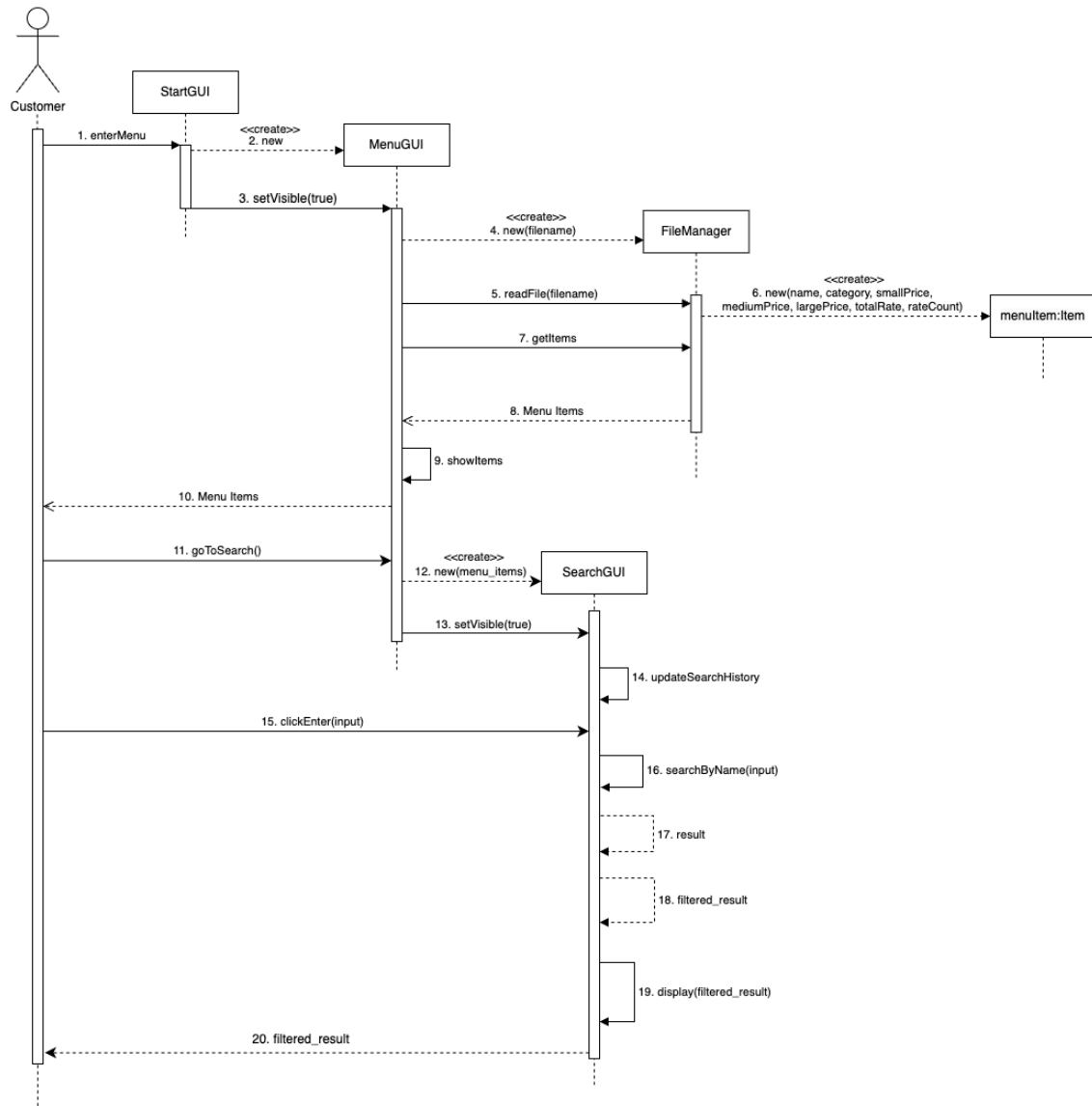


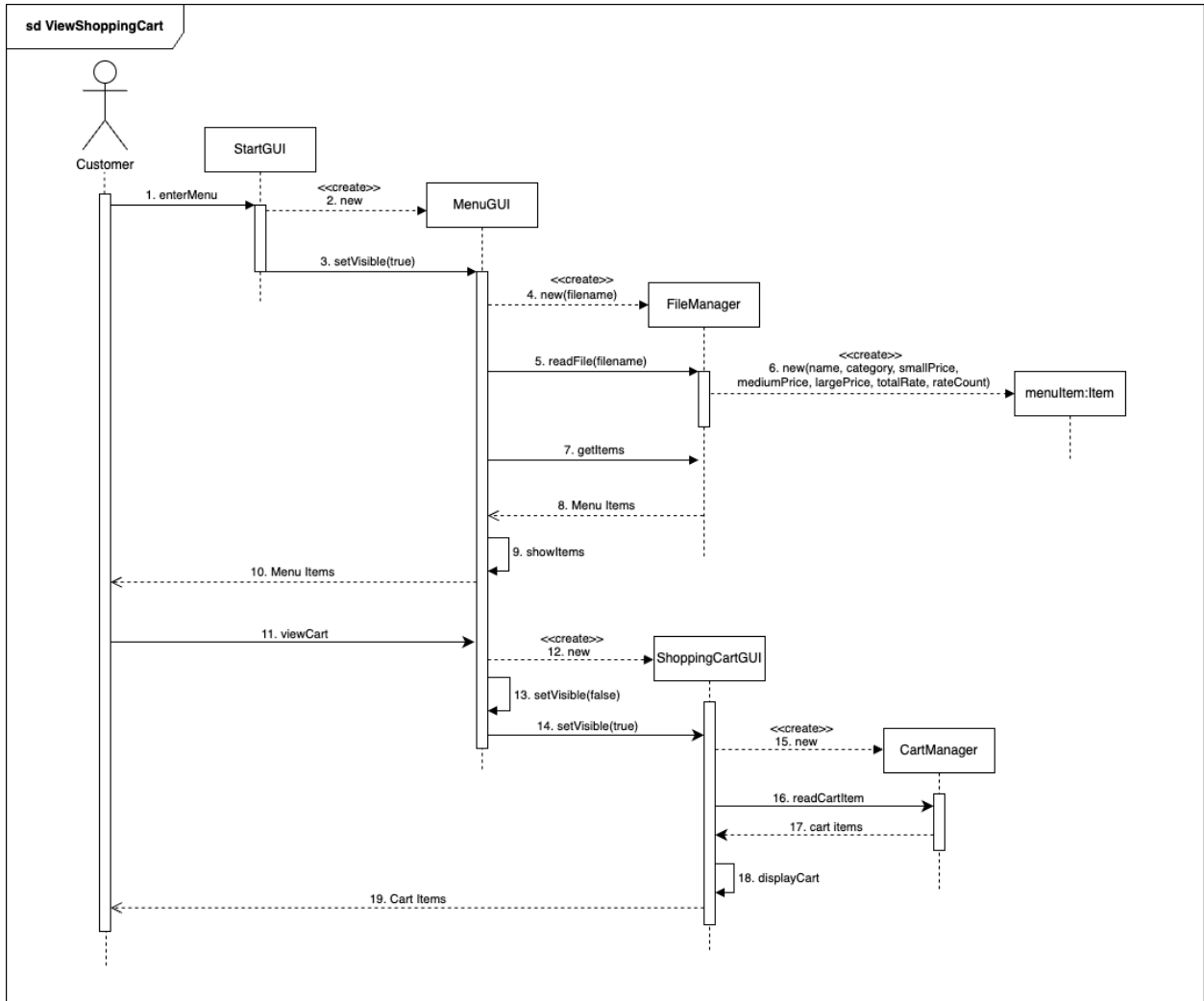


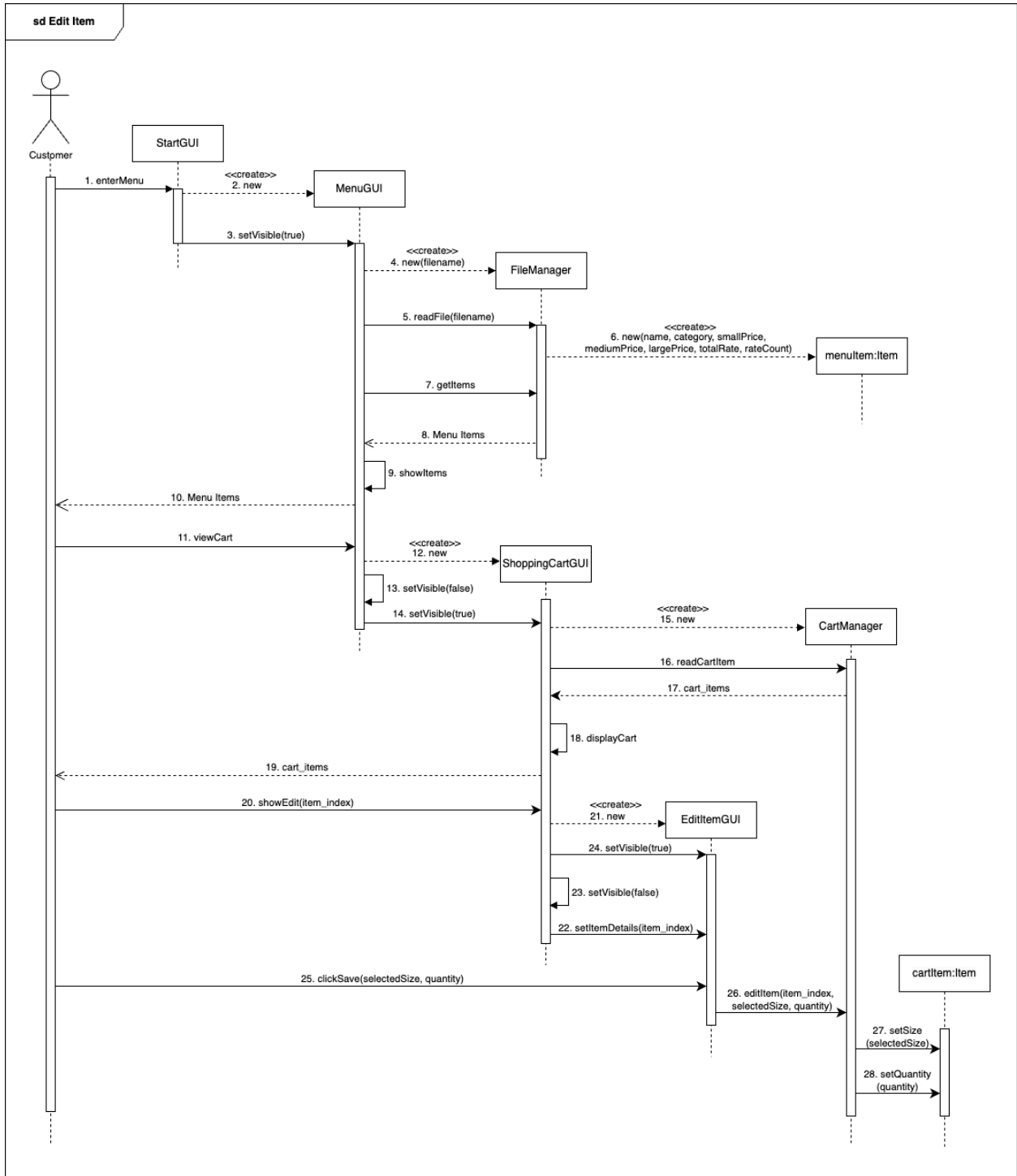
## sd Add Item



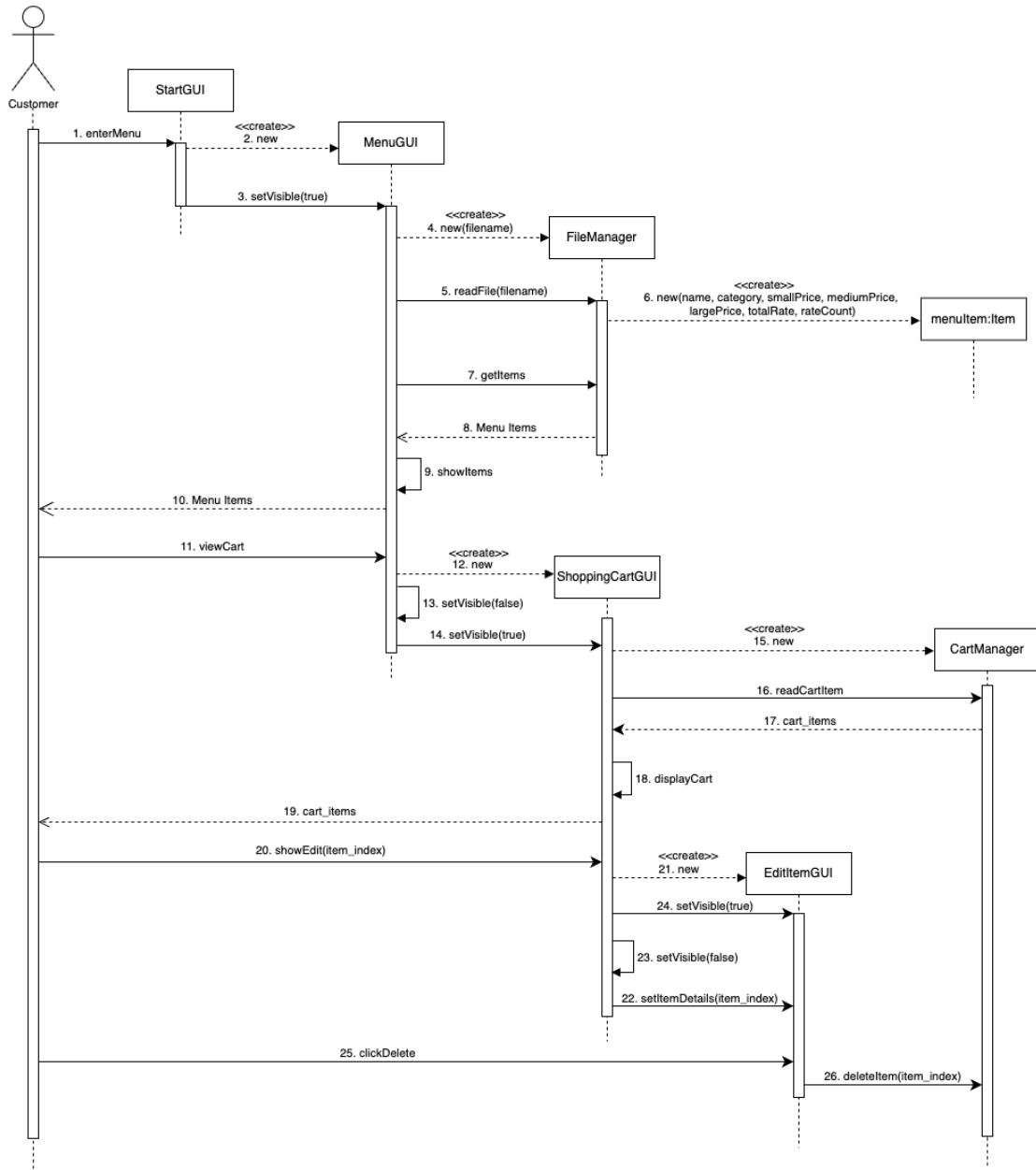
## sd Filter Results

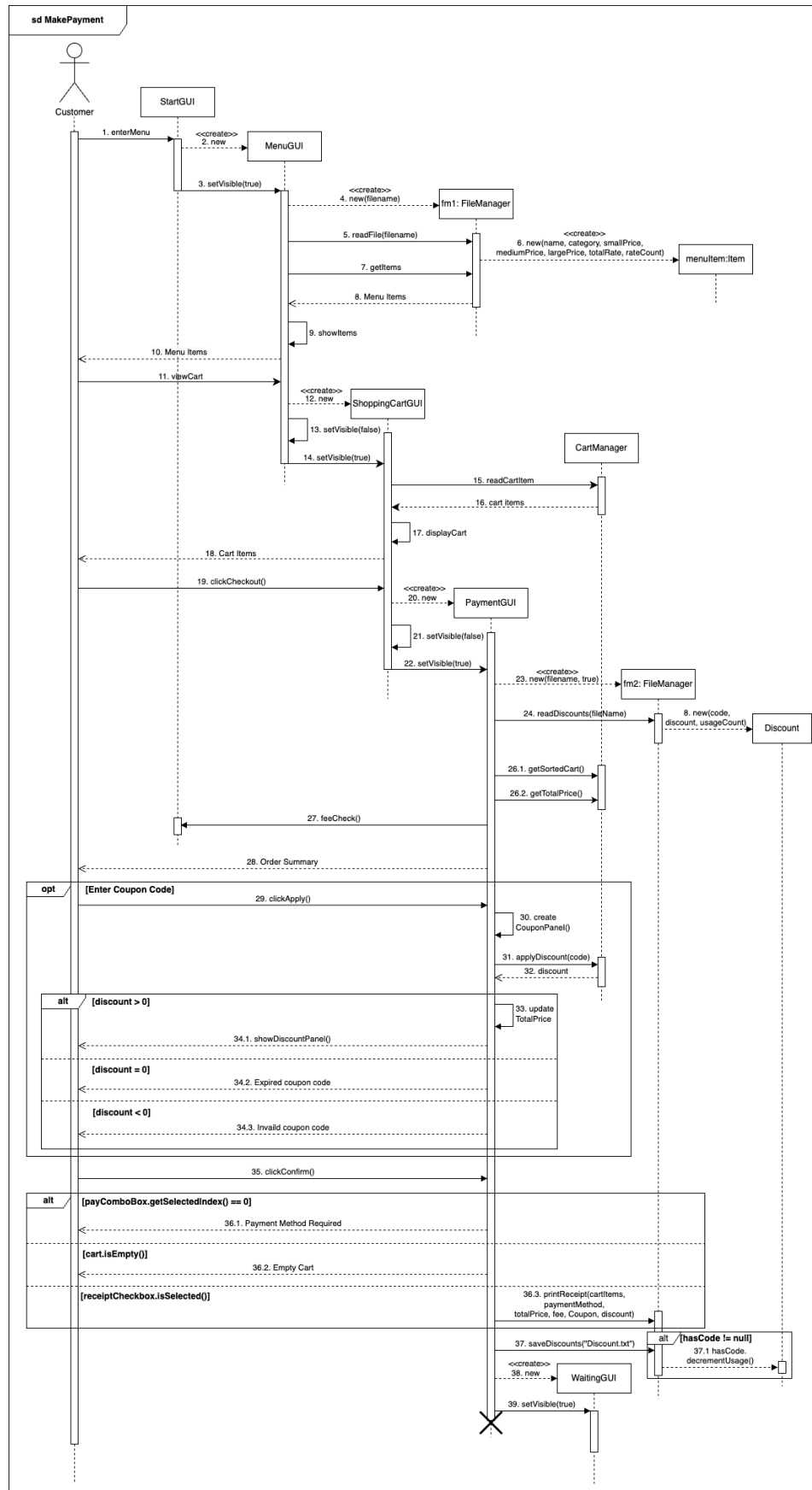


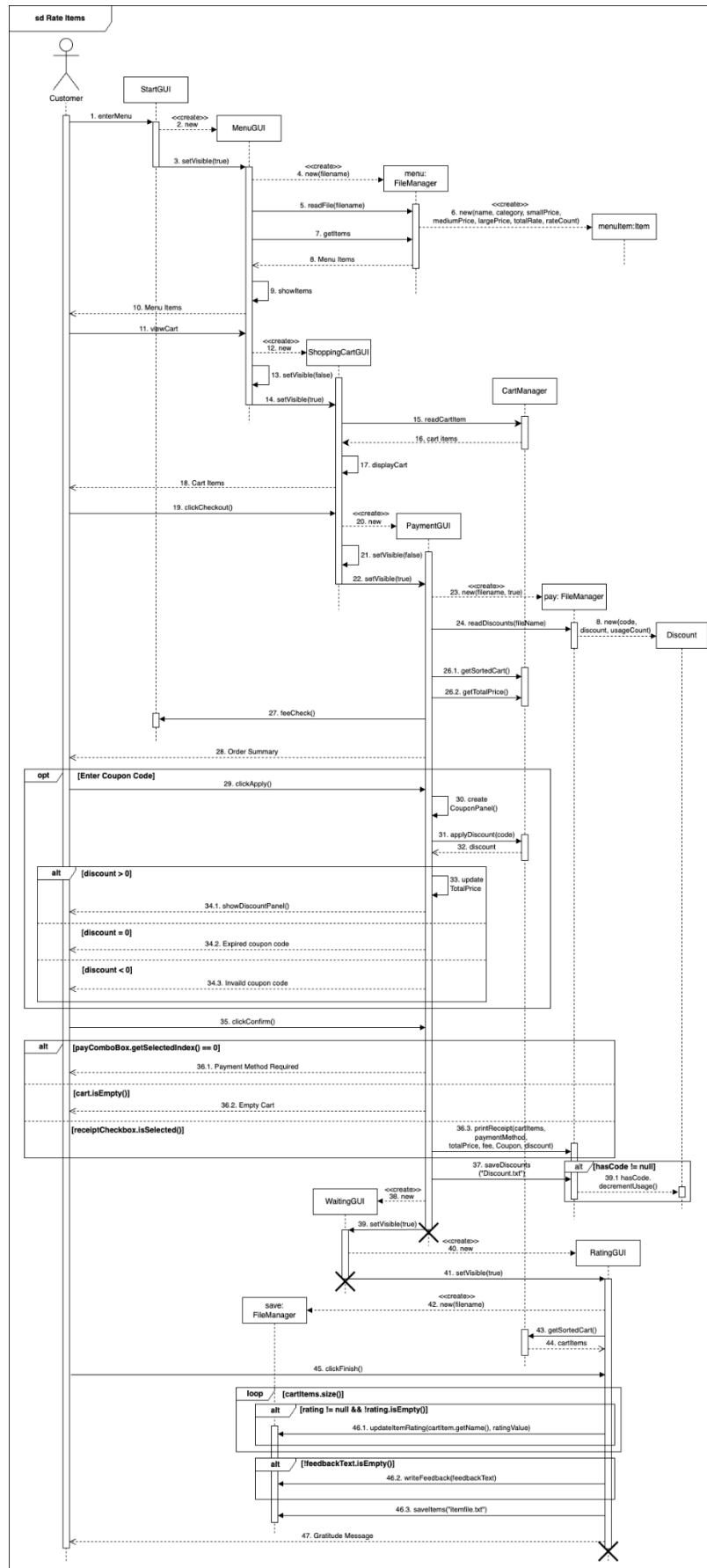




# sd Delete Item







# Class Diagram

Class Diagram of the In-store Food-ordering System

