FoodDelivery System

***System that allows restaurants to accept delivery orders online and provides clients with simple and fast way to place orders***

The main purpose of this system is to provide restaurants, cafes or other food establishments with ability to sell their foods online by quickly and easily managing an online menu, which customer can browse and after that place an order.

**Guest** has the ability to browse menu, select items, view their detailed information, add them to cart, where quantity of some items can be edited or some of them may be removed. After all of this steps he will have an option to place an order for processing. All that time guests are able to register in the system, which brings additional functionality.

**User,** has all of the functionality that is presented to the guests plus an extra feature such as bonus receivement, ability to add, edit, remove payment or delivery information, use this information when placing orders, view orders history, save state of the cart, edit/remove profile.

**Manager,** can process order information, placed by customers, confirm or reject them. Put estimates on delivery, update delivery status. Add, edit, remove items from menu, add, edit, delete discounts in menu. Create and delete filters in menu.

**Admin,** manages site content, performs user and role management.

# Subsystems

## Menu Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **№** | **Including Use Case** | **Use Case** | **Role** | **Description** | **Action Method** | **Test** |
| MM1 | - | Add menu item | Manager | Manager can create and add item to menu. |  |  |
| MM2 | - | Edit menu item | Manager | Manager can edit existing item in menu. |  |  |
| MM3 | - | Delete menu item | Manager | Manager can delete existing item in menu. |  |  |
| MM5 | Add menu item,  Edit menu item | Add discount | Manager | Manager can add discount on existing menu item, or while creating new menu item. |  |  |
| MM6 | Edit menu item | Delete discount | Manger | Manager can delete discount while editing existing menu item with discount. |  |  |
| MM7 | - | Create menu filter | Manger | Manager can create new menu filters |  |  |
| MM8 | - | Edit menu filter | Manger | Manger can edit existing menu filter |  |  |
| MM9 | - | Delete menu filter | Manager | Manager can delete existing menu filter |  |  |
| MM10 | - | View all menu items | User, Guest | User, Guest can view all items in menu |  |  |
| MM11 | - | Filter menu items | User, Guest | User, Guest can filter menu items by available filters. |  |  |

## Order Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **№** | **Including Use Case** | **Use Case** | **Role** | **Description** | **Action Method** | **Test** |
| OM1 | - | Add item to cart | User, Guest | User, Guest can add items from menu to cart |  |  |
| OM2 | Edit item quantity from cart | Delete item from cart | User, Guest | User, Guest can delete items from cart |  |  |
| OM3 | - | Edit item quantity in cart | User, Guest | User, Guest can edit item quantity in cart |  |  |
| OM4 | - | Place order | User, Guest | User, Guest can place order based on their cart |  |  |
| OM5 | - | Cancel order | User, Guest | User, Guest can cancel order while it has not been approved |  |  |
| OM6 | - | View order status | User, Guest | User, Guest can observe order processing status |  |  |
| OM7 | - | Accept order | Manager | Manager can accept income order from user. |  |  |
| OM8 | - | Decline order | Manger | Manager can decline income order from user |  |  |
| OM9 | Accept order, Decline order | Update order status | Manager | Manager can update order processing status |  |  |

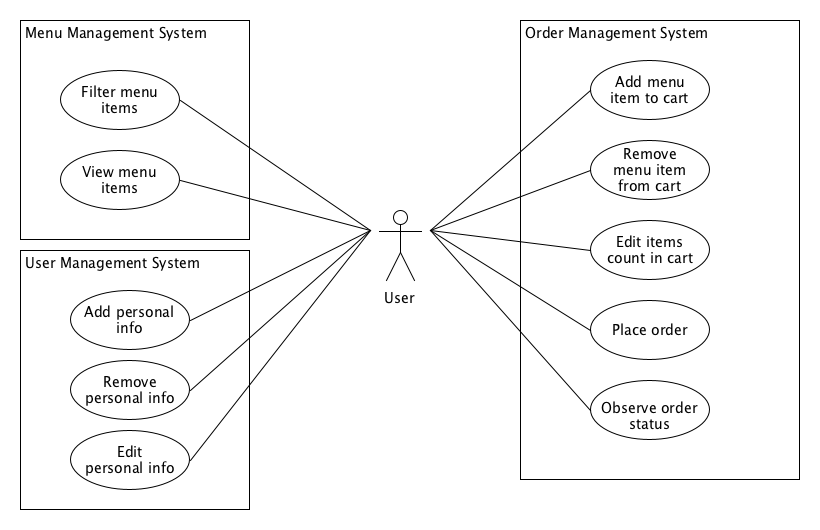
## User Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **№** | **Including Use Case** | **Use Case** | **Role** | **Description** | **Action Method** | **Test** |
| UM1 | - | Add personal information | User, Manager | User can add personal information(address, phone number) |  |  |
| UM2 | - | Edit personal information | User,  Manager | User can edit personal information(address, phone number) |  |  |
| UM3 | - | Delete personal information | User,  Manager | User can delete personal information(address, phone number) |  |  |
| UM4 | - | Create user | Admin | Admin can create accounts for restaurant personnel |  |  |
| UM5 | - | Delete user | Admin | Admin can delete existing users from system |  |  |
| UM6 | Create user | Assign role | Admin | Admin can assign role to user |  |  |

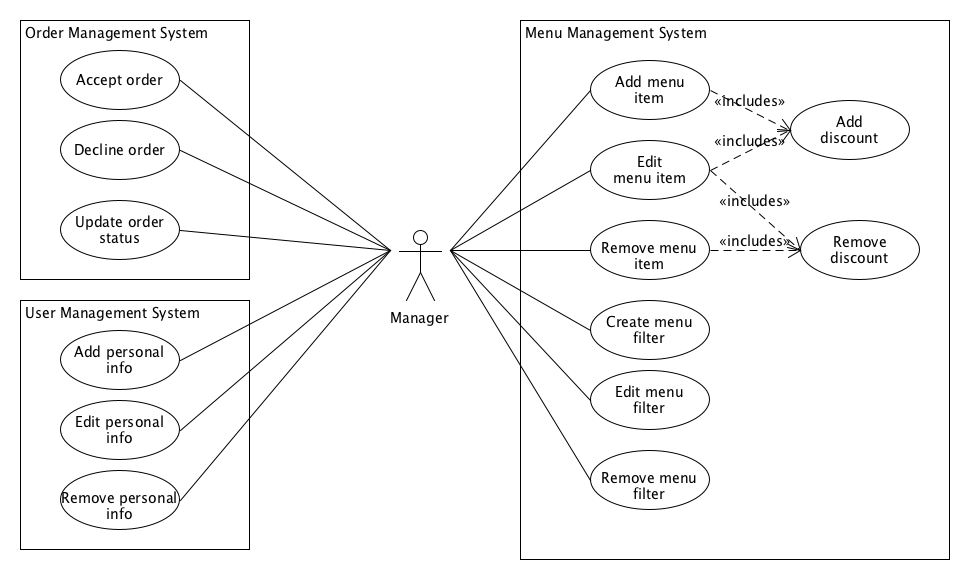
# Diagrams

## Use Case

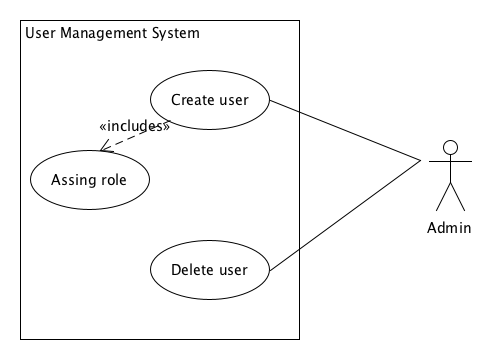
### User



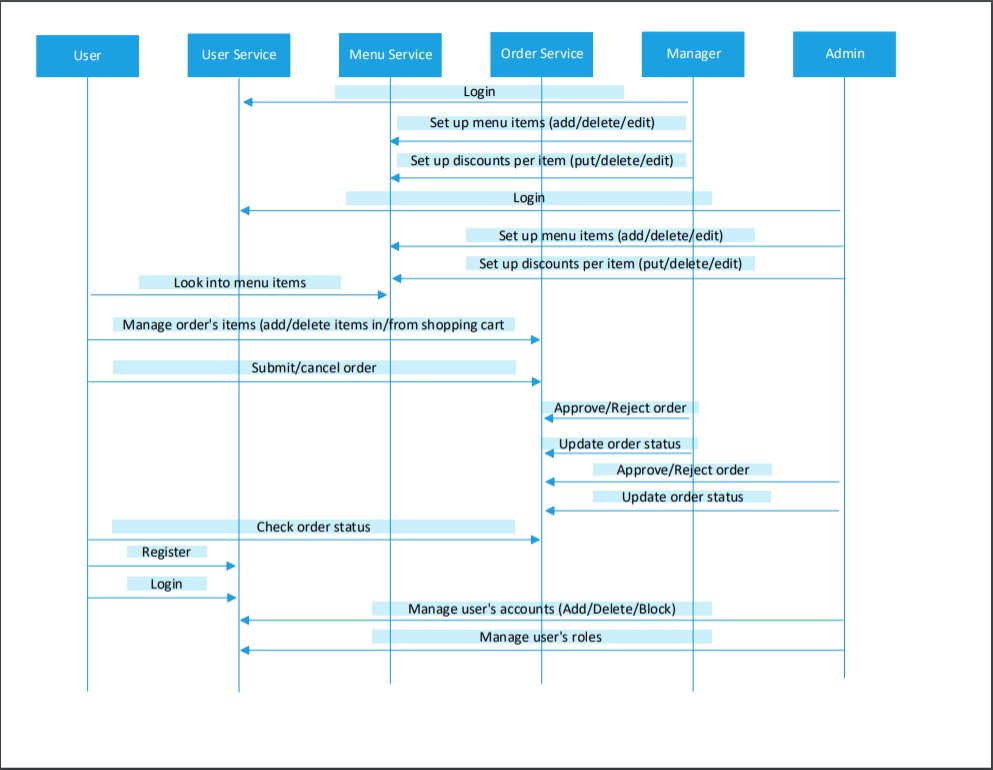
### Manager



### Admin



## Sequence



## Classes

