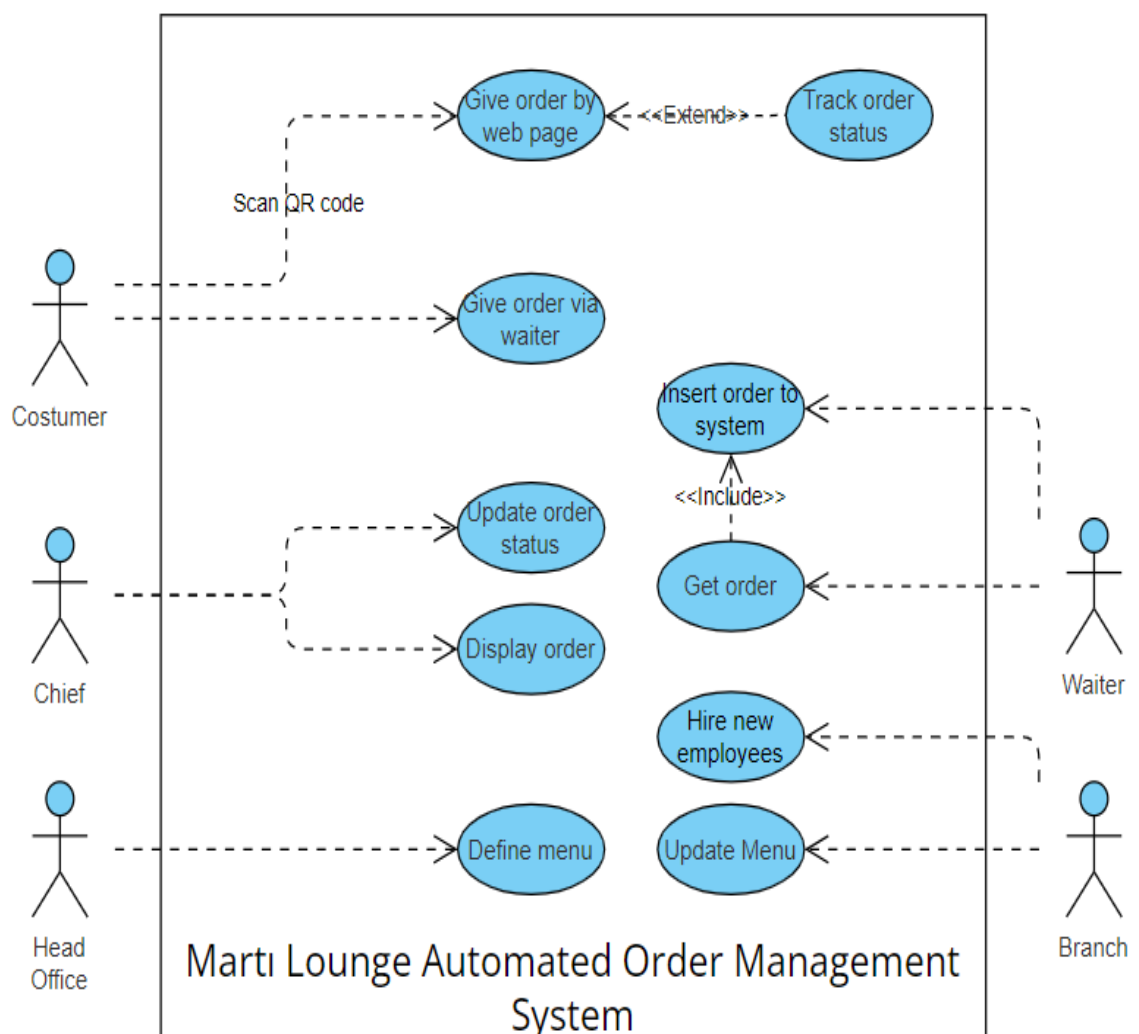


USER REQUIREMENTS

1) List of Stakeholders and Their Roles

- a. Customer who can give order by web page which is opened by scanning QR code or via waiter, and customer can track the status of the order.
- b. Chief who can update the status of the order using a web panel and see the orders on the screen placed in kitchen.
- c. Waiter who can get order from customer.
- d. Head Office who can define the images, ingredients, lists and prices of the menu.
- e. Branch who can digitally update the available menu.

2) Use Case Diagram



3) Use Case Descriptions

System	<i>Martı Lounge Automated Order Management System</i>
Use Case	<i>Define Menu</i>
Actors	<i>Head Office, Martı Lounge Automated Order Management System</i>
Data	<i>Images, ingredients, lists, and prices of menu which is defined by head office.</i>
Stimulus	<i>The system requests the menu to be defined.</i>
Response	<i>The data is sent to the system by head office.</i>
Comments	<i>The menu is defined firstly when the system is started, after that the branch takes the control.</i>

System	<i>Martı Lounge Automated Order Management System</i>
Use Case	<i>Update Menu</i>
Actors	<i>Branch, Martı Lounge Automated Order Management System</i>
Data	<i>New images, new ingredients, new lists, and new prices of menu which is updated by branch.</i>
Stimulus	<i>The system requests new version of the menu from branch.</i>
Response	<i>The menu is updated in system with the data which is sent by branch.</i>
Comments	<i>After the head office defined the menu, all control over contents of the menu is taken by branch.</i>

System	<i>Martı Lounge Automated Order Management System</i>
Use Case	<i>Get Order</i>
Actors	<i>Waiter, Martı Lounge Automated Order Management System</i>
Data	<i>Order of the customer such as name of the food, drinks, etc.</i>
Stimulus	<i>When the user calls the waiter, waiter requests to get order.</i>
Response	<i>The order of the customer is got by waiter.</i>
Comments	<i>User can give the order not only via waiter but also by online. So, waiter must check both.</i>

System	<i>Martı Lounge Automated Order Management System</i>
Use Case	<i>Display Order</i>
Actors	<i>Chief, Martı Lounge Automated Order Management System</i>
Data	<i>Order of the customer such as name of the food, drinks, etc.</i>
Stimulus	<i>When the new order is got, chief requests the see the order on the screen placed in kitchen.</i>
Response	<i>Screen displays the order which is given by customer.</i>
Comments	<i>Chief manages the preparation of food according to number of orders.</i>

System	<i>Martı Lounge Automated Order Management System</i>
Use Case	<i>Update Order Status</i>
Actors	<i>Chief, Martı Lounge Automated Order Management System</i>
Data	<i>The status of the order such as preparing, ready, etc.</i>
Stimulus	<i>When the chief wants to update the status of the order, web panel requests the new status of the order.</i>
Response	<i>The data is updated in the system so customer can see it in web page.</i>
Comments	<i>After each step of the preparation of order, chief updates the status of the order to make customer well-informed.</i>

System	<i>Martı Lounge Automated Order Management System</i>
Use Case	<i>Give order by Web Page</i>
Actors	<i>Customer, Martı Lounge Automated Order Management System</i>
Data	<i>Customer's order which contains name of the food, drink, etc.</i>
Stimulus	<i>When the customer scans the QR code, web page requests the order of the customer.</i>
Response	<i>The data which is given by customer is transferred to the system, so chief can see it on screen.</i>
Comments	<i>Getting customer's order and displaying it in screen must occur simultaneously so chief organize the order.</i>

System	<i>Martı Lounge Automated Order Management System</i>
Use Case	<i>Give Order via Waiter</i>
Actors	<i>Customer, Waiter, Martı Lounge Automated Order Management System</i>
Data	<i>Order of the customer such as name of the food, drinks, etc.</i>
Stimulus	<i>When the customer calls the waiter, waiter requests the order of the customer.</i>
Response	<i>The data is given by customer is got via waiter and transferred to the system.</i>
Comments	<i>In this case, customer can get some details about food, drinks, price, etc.</i>

System	<i>Martı Lounge Automated Order Management System</i>
Use Case	<i>Track Order Status</i>
Actors	<i>Customer, Martı Lounge Automated Order Management System</i>
Data	<i>The status of the order such as preparing, ready, etc.</i>
Stimulus	<i>When the customer gives the order, customer requests to see the status of the order.</i>
Response	<i>The data which is set by chief displays on the web page, so costumer can see it.</i>
Comments	<i>This function makes customer well-informed.</i>

System	<i>Martı Lounge Automated Order Management System</i>
Use Case	<i>Hire New Employee</i>
Actors	<i>Branch, Martı Lounge Automated Order Management System</i>
Data	<i>Information of the new employee, such as name, age, etc.</i>
Stimulus	<i>Branches enter the data of the new employee to the system.</i>
Response	<i>The data of the new employee is displayed in the system.</i>
Comments	<i>Hiring new employee is set the duty of the branch but it can be changed to the duty of the Head Office.</i>

System	<i>Martı Lounge Automated Order Management System</i>
Use Case	<i>Insert order to system.</i>
Actors	<i>Waiter, Martı Lounge Automated Order Management System</i>
Data	<i>The ingredients of the customer's order.</i>
Stimulus	<i>After waiter got the order of the customer, system request the order of the customer.</i>
Response	<i>The order of the customer is transferred to the system.</i>
Comments	<i>In this way, getting customer's order and displaying it in screen occur simultaneously.</i>

4) Challenges

It is hard to understand that the elements such as web page, web panel, screen are stakeholder for the system or not. Also, where to place some elements such as scanning QR code or opening web panel is confusing. Also, consider the allocation the staff statement is so ambiguous, the other staff which is system contains except than chief and waiter is only known by owner of the system.

The way that transferring the order which is got by waiter is not well-defined. For example, there is no statement such as waiter gets the order and transfer the order to the system.