# Restaurant

Érika Cota

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# 1.   Employee login

**Priority:**          1

**Pre-conditions:**    Employee is not logged in
                       System displays login screen

**Post-conditions:**   Employee is logged in
                       System displays employee's menu

**Primary Actor:**     Employee

**Other Actions:**     -

**Trigger:**           -

## 1   Main Scenario

1. Employee enters his/her identification code

2. System validates code and logs user in

3. System displays employee's menu

## 2   Extensions

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## 3   Alternatives

2a  System does not validate code and displays login error message

2c  System returns to login screen

# 2.  Employee logout

**Priority:**           1

**Pre-conditions:**      Employee is logged in
System displays employee's menu

**Post-conditions:**     Employee is not logged in
System displays login screen

**Primary Actor:**      Employee

**Other Actions:**      -

**Trigger:**         -

## 1  Main Scenario

1. Employee selects log out option

2. System logs user out and displays login screen

## 2  Extensions

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## 3  Alternatives

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# 3.  Accommodate a client

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| **Priority:** | 1 |
| **Pre-conditions:** | Receptionist is logged |
| | System displays receptionist's menu |
| **Post-conditions:** | There is a table occupied and waiting for service |
| | Sector waiter was notified |
| | System displays receptionist's menu |
| **Primary Actor:** | Receptionist |
| **Other Actions:** | - |
| **Trigger:** | - |

## 1   Main Scenario

1. Receptionist selects "accommodate client" option

2. System asks for client's reservation

3. Receptionist informs that this client has no reservation

4. System asks for number of people

5. Receptionist informs a number $n$ of people

6. System selects free tables with at least $n$ seats[2]

7. System displays selected tables

8. Receptionist selects a table

9. System tags table as occupied and waiting for service

10. System informs the sector waiter(s) that the table is waiting for service — **What if there is no waiter logged in?**

11. System displays receptionist's menu

## 2   Extensions

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[1]Future: create wait list for tables

[2]at this moment, the system includes in the search any reserved table whose client more than 30 minutes late and that fits the search. The table is automatically tagged as not reserved

# 3 Alternatives

2a Receptionist cancels selected option

2b System displays receptionist's menu


3a Receptionist informs that this client has a reservation

3b System displays a list of valid reservations, ordered by client's name and reservation time


3ca1 Receptionist finds client's reservation

3ca2 Receptionist selects client's table

3ca3 Continues at step 9 in the main scenario


3cb1 Receptionist does not find client's reservation

3cb2 Continues at step 3 in the main scenario


4a Receptionist cancels selected option

4b System displays receptionist's menu


5a1 Informed number of people is invalid[3]

5a2 System displays corresponding error message

5a3 Continues at step 4


5b1 System informs receptionist that there are no tables available

5b2 System displays receptionist's menu


8a Receptionist cancels selected option

8b System displays receptionist's menu


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[3]not a number; or $n \leq 0$; or $n$ is greater than the capacity of the biggest table

# 4.  Reserving a table

**Priority:**        1

**Pre-conditions:**        Receptionist is logged in
System displays receptionist's menu


**Post-conditions:**        Table is tagged as reserved
System displays receptionist's menu

**Primary Actor:**        Receptionist

**Other Actions:**        -

**Trigger:**        -

## 1   Main Scenario

1. Receptionist selects "reserve table" option

2. System asks for date, hour and number of guests for the reservation

3. Receptionist informs date $D$, hour $H$ and number $N$ of desired guests

4. System selects tables that have at least $N$ seats which are also free at the day $D$ and hour $H$

5. System displays selected tables

6. Receptionist selects a table

7. System displays reservation and asks for confirmation

8. Receptionist confirms reservation

9. System tags the table as reserved at day $D$ and hour $H$

10. System displays receptionist's menu

## 2   Extensions

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## 3   Alternatives

[1]

2a  Receptionist cancels selected option

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[1]Future: option to display other tables at near times when no available ones are found

2b System displays receptionist's menu

4a There are no tables available for $N$ guests at the day $D$ and hour $H$

4b System informs receptionist that there are no available tables

4c System asks for a new number $N$ of guests

4d Continues at Step 4

5a Receptionist cancels selected option

5b System displays receptionist's menu

8a Receptionist does not confirm reservation

8b Continues at Step 5

# 5. Cancel a reservation

**Priority:**          -

**Pre-conditions:**    Receptionist is logged in
There is a reserved table
System displays receptionist's menu

**Post-conditions:**   Table is no longer reserved
System displays receptionist's menu

**Primary Actor:**     Receptionist

**Other Actions:**     -

**Trigger:**           -

## 1 Main Scenario

1. Receptionist selects "cancel reservation" option

2. System displays a list of reservations, ordered by date and hour of reservation

3. Receptionist selects an item of the list

4. System verifies that date and hour of the reservation are after the 30 minutes before the date and hour of cancellation. System asks for confirmation of cancellation

5. Receptionist confirms cancellation

6. System cancels reservation and tags the table as free

7. System displays a successful cancellation message

8. System displays receptionist's menu

## 2 Extensions

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## 3 Alternatives

2a1 There are no tables tagged as reserved in the system

2a2 System tells receptionist that there are no reserved tables

2a3 System displays receptionist's menu

3a1 Receptionist cancels selected option

3a2 System displays receptionist's menu

4a1 Date and time of reservation are before the 30 minutes before date and time of cancellation

4a2 System cancels reservation and tags table as free

4a3 System displays receptionist's menu


5a1 Receptionist does not confirm cancellation

5b1 System displays receptionist's menu

# 6.  Serve a table

**Priority:**          1

**Pre-conditions:**    Waiter is logged in
There is an occupied table waiting for service
System displays waiter's menu

**Post-conditions:**   An order was sent to kitchen
System displays waiter's menu

**Primary Actor:**     Waiter

**Other Actions:**     -

**Trigger:**           -

## 1   Main Scenario

1. Waiter selects "serve table" option

2. Systems asks waiter for the table number

3. Waiter informs the number of the table to be served

4. System verifies that there is an open order for this table and recovers it

5. System displays the open order and the options "insert item", "remove item" and "close order"

6. Waiter selects "insert item" option

7. System asks for the item code in the carte[1]

8. Waiter informs the correct code

9. System verifies that the item[2] is available in the inventory

10. System displays a description of the item corresponding to the informed code and ask for confirmation

11. Waiter confirms item inclusion

12. System includes the item as a pending request for the order and updates inventory

13. Steps 6 to 12 and/or 6a to 6aa6 are repeated until the waiter selects the "close order" option

14. Waiter selects "close order" option

15. System verifies that the order has pending requests

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[1] using carte to refer to the menu of the restaurant without mistaking it for the menus of the system
[2] or all of its ingredients

16. System displays (starters, main course, dessert, beverages) the items in the pending requests that were not sent to kitchen for waiter revision and asks for the items confirmation

17. Waiter confirms order update ————————————————————

review: when is the order created?

18. System sends the requests to the kitchen and tags it as "Sent"

19. System displays waiter's menu

## 2 Extensions

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## 3 Alternatives

2a1 Waiter cancels selected option

2a2 System displays waiter's menu

3a1 The number of the table is invalid

3a2 System displays message showing the reason why the table is invalid[3]

3a3 Continues at Step 2

4b1 System verifies that there is no open order for this table

4b2 System opens an order for this table

4b3 Continues at Step 5

6a Waiter selects "remove item" option

6aa1 System displays a list of items in the order

6aa2 Waiter selects item to be excluded

6aa3 System asks for confirmation

6aa4 Waiter confirms exclusion

6aa4a Waiter does not confirm inclusion

6aa4b Continues at Step 5

6aa5 System excludes item from the order and updates inventory

6aa6 Continues at Step 5

6ab1 Waiter cancels selected option

6ab2 Continues at Step 5

6ac1 System verifies that the order does not have pending requests

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[3]Maybe the waiter wasn't associated to table by the manager

6ac2 System displays corresponding error message

6ac3 Continues at Step 5

6b1 Waiter cancels selected option

6b2 System displays waiter's menu

7a1 Waiter cancels selected option

7a2 System displays waiter's menu

8a1 Waiter informs an invalid code

8a2 System displays a corresponding error message

8a3 Continues at Step 7

9a1 System verifies that the item[4] is not available at the inventory

9a2 System display message that item is not available

9a3 Continues at Step 7

11a1 Waiter does not confirm item inclusion

11a2 Continues at Step 5

15a1 System verifies that order does not have pending requests

15a2 System displays a corresponding error message

15a3 Continues at Step 5

17a1 Waiter does not confirm order update

17a2 Continues at Step 5

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[4]or one of its ingredients

# 7.  Close a table

**Priority:**          1

**Pre-conditions:**     Waiter is logged in
                        There is a table with a sent order
                        System displays waiter's menu

**Post-conditions:**    Table is tagged as free and waiting for cleaning
                        Payment was realized

                        payment related stuff

                        System displays waiter's menu

**Primary Actor:**

**Other Actions:**

**Trigger:**

## 1  Main Scenario

1. Waiter selects "close table" option

2. System asks for the number of the table

3. Waiter informs the number of the table being served

4. System verifies that there is an order for this table and recovers it

5. System displays all items ordered and processed on the table together with the total
   value of the order. It also displays separately the service tax (10%).  `why processed?`

6. System asks for confirmation of service tax payment

7. Waiter confirms service tax

8. System asks for order payment confirmation

9. Waiter confirms order payment

10. Systems updates the shift earnings with the order value. System updates the waiter
    earnings and adds the rest of the payment in a funding for kitchen helpers

11. System tags table as free and waiting for cleaning and finishes any order associated
    with the table

12. System displays waiter's menu

## 2  Extensions

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# 3 Alternatives

2a  Waiter cancels selected option

2b  System displays waiter's menu


3a  The number informed is invalid

3a  System informs that the number of the table informed is invalid

3a  System displays waiter's menu


4a  System verifies that there is no order for the informed table

4b  System informs error accordingly

4c  Continues at Step 2


6a  Waiter cancels selected option

6b  Continues at Step 2


7a1  Waiter does not confirm service tax

7a2  System sets tax service to zero and updates the total value of the order, displaying the new value

7a3  Continues at Step 8


7b1  Waiter cancels selected option

7b2  Continues at Step 2


9a  Waiter does not confirm order payment

9b  System displays waiter's menu