Usecases for Restaurant Management System

|  |  |  |  |
| --- | --- | --- | --- |
| Sr.no | Usecases | Actors | Description |
| 1. | Create Account | Customer , Admin | Customer Create their Account.  Admin Create Account |
| 2. | Login | Admin ,Customer | Admin can login into Account  Customer can login into account |
| 3. | Update Menu | Admin | Admin add new item to menu.  Admin delete item from Menu  Admin edit prices on food item |
| 4. | View Menu | Admin , Customer , Staff | Admin view in Menu  Customer view in menu  Staff View in Menu |
| 5. | Order Food | Customer | Customer can order food |
| 6. | Reserve Table | Customer , Admin | Customer can reserve table  Admin can give confirmation for reserve table |
| 7. | View Order | Customer , Admin , Staff , Cashier | Customer can View Order  Admin can View Order  Staff Can View Order  Cashier can View Order |
| 8. | Confirm Order | Staff , Admin | Staff Can Confirm Order  Admin can Confirm Order |
| 9. | Clear Bill | Cashier , Customer | Cashier Generate Bill  Customer Make Payment |
| 10. | View Transaction | Cashier , Admin | Cashier can View all Transactions  Admin Can View Transactions |

Use case Diagram for Restaurant Management System

**Customer**

**Admin**

**Staff**

**Cashier**

1.Introduction: This use case outlines the steps that need to be followed in order to login into the systemActors :

* Customer
* Admin
* Staff
* Cashier

2.Precondition : Customer has visited to our website and search the menu they want to order. They are now ready to place their order.

3.PostCondition : Customer Received the Order

4.Basic Flow:

Login

The page will request the user/actor to provide valid credentials

User/actor enters the credentials

User/actor enters into the system

5.Alternate Flow:

Invalid Credentials

If user/actor provides invalid credentials in the basic flow, a validation message or

error message should appear. Hence, returning the user to the basic flow..

6.Special Requirements

None

**Usecase 1 : Create Account**

Overview: This Scenario describe customer and admin can create their account

Actors : Admin , Customer

Precondition: Customer has visited to our website.

Scenario :

|  |  |
| --- | --- |
| Action | Software Reaction |
| Customer can Create Account  Enter name  Enter phone no  Enter password  Enter confirm password | User can enter into login |
| Admin Can Create Account  Enter name  Enter phone no  Enter password  Enter confirm password | User can enter into login |

Postcondition : user enter into the login

Use case Dependencies:

Usecase 2 : login

Usecase 3 : Update Menu

Usecase 4 : View Menu

Usecase 5 : Order food

Usecase 6 : Reserve table

Usecase 7 : View Order

Usecase 8 : Confirm Order

Usecase 9 : Clear Bill

Usecase 10 : View Transaction

**Usecase 2 : Login**

Overview: This Scenario describe customer and admin can login into their account Actors : Admin , Customer Precondition: Customer has visited to our website.

Scenario :

|  |  |
| --- | --- |
| Action | Software Reaction |
| Admin Login  Enter name  Enter password | If it is valid credential admin can enter into the system  If it is invalid credential admin have to move #1 |
| User Login  Enter name  Enter password | If it is valid credential Customer can enter into the system  If it is invalid credential Customer have to move #1 |

Postcondition : if use case successfully executed the customer / admin should be logged into the system Otherwise , it move to #1

Use case Dependencies:

Usecase 3 : Update Menu

Usecase 4 : View Menu

Usecase 5 : Order food

Usecase 6 : Reserve table

Usecase 7 : View Order

Usecase 8 : Confirm Order

Usecase 9 : Clear Bill

Usecase 10 : View Transaction

**Usecase 3 : Update Menu**

Overview: This Scenario describe admin can update Menu

Actors : Admin

Precondition: Admin can View Menu List

Scenario :

|  |  |
| --- | --- |
| Action | Reaction |
| Update Menu   1. Add item 2. Delete Item 3. Edit Price on item | Items added to the menu  Item deleted from the menu  Item prices are edited |

Postcondition: Admin can successfully update the items in menu

Exception:

None

Special Requirement:

None

Use case Dependencies:

Usecase 4 : View Menu

Usecase 5 : Order food

Usecase 6 : Reserve table

Usecase 7 : View Order

Usecase 8 : Confirm Order

Usecase 9 : Clear Bill

Usecase 10 : View Transaction

**Usecase 4 :View Menu**

Overview: This Scenario describe admin , customers and staff can view Menu

Actors : Admin , customer , staff

Precondition: Customer has visited to our website and search the menu they want to order.

Scenario :

|  |  |
| --- | --- |
| Action | Reaction |
| Customer indicates that they would like to view menu.  Admin want to view menu.  Staff want to view menu | System shows following data to the customer , admin and staff   * Menu list * Price * Availability |

Postcondition: Menu list successfully shown to customer , admin and staff

Exception:

None

Special Requirement:

None

Use case Dependencies:

Usecase 5 : Order food

Usecase 6 : Reserve table

Usecase 7 : View Order

Usecase 8 : Confirm Order

Usecase 9 : Clear Bill

Usecase 10 : View Transaction

**Usecase 5: Order Food**

Overview: This Scenario describe customer is ready to order food

Actors : Customer

Precondition : Customer has visited to our website and search the menu they want to order. They are now ready to place their order.

Scenario :

|  |  |
| --- | --- |
| Action | Reaction |
| Customer indicates that they would like to place order | System shows following data to the customer   * Menu * Price * Availability * Payment |

Postcondition: order successfully placed .

Exception:

None

Special Requirement:

None

Use case Dependencies:

Usecase 6 : Reserve table

Usecase 7 : View Order

Usecase 8 : Confirm Order

Usecase 9 : Clear Bill

Usecase 10 : View Transaction

**Usecase 6: Reserve table**

Overview: This Scenario describe customer reserve table , admin can send confirmation to the customer

Actors : Customer , Admin

Precondition: Customer place their order and they want to book a table

Scenario :

|  |  |
| --- | --- |
| Action | Reaction |
| Customer indicates that they would like to Reserve table | System shows following data to the customer   * Day * Time |

Postcondition: successfully reserve table

Exception:

None

Special Requirement:

None

Use case Dependencies:

Usecase 7 : View Order

Usecase 8 : Confirm Order

Usecase 9 : Clear Bill

Usecase 10 : View Transaction

**Usecase 7 :View Order**

Overview: This Scenario describe admin , customers and staff can view Order

Actors : Admin , customer , staff , cashier

Precondition: Customer has visited to our website and they want to View order.

Scenario :

|  |  |
| --- | --- |
| Action | Reaction |
| Customer indicates that they would like to view View.  Admin want to view Order.  Staff want to view Order  Cashier want to View Order | System shows following data to the customer , admin and staff   * Menu * Price * Availability * Time * Day * Payment |

Postcondition: Order is successfully shown to the customer , admin and staff

Exception:

None

Special Requirement:

None

Use case Dependencies:

Usecase 8 : Confirm Order

Usecase 9 : Clear Bill

Usecase 10 : View Transaction

**Usecase 8 : Confirm Order**

Overview: This Scenario describe admin , customers and staff can confirm Order

Actors : Admin , customer , staff

Precondition: Order is placed by customer and staff want to confirm order

Scenario :

|  |  |
| --- | --- |
| Action | Reaction |
| Staff indicates that they would like to confirm order for prepare food.  Admin can send notification to the customer for confirm order  Customer received notification for confirm order | Notification send successfully to customer registered number |

Postcondition: Notification send successfully to customer registered number for confirm order

Exception:

None

Special Requirement:

None

Use case Dependencies:

Usecase 9 : Clear Bill

Usecase 10 : View Transaction

**Usecase 9 : Clear Bill**

Overview: This Scenario describe cashier generate bill and customer make payment.

Actors : Admin , customer , Cashier

Precondition: Order is confirm by customer and Cashier start generating bill

Scenario :

|  |  |
| --- | --- |
| Action | Reaction |
| Cashier start generating bill.  Customer received bill and make payment | System shows what is order and price  System shows overall payment |

Postcondition: payment done by customer

Exception:

None

Special Requirement:

None

Use case Dependencies:

Usecase 10 : View Transaction

**Usecase 10 : View Transaction**

Overview: This Scenario describe cashier and admin can view transaction.

Actors : Admin , Cashier

Precondition: Cashier generate a bill. And admin want to view transactions

Scenario :

|  |  |
| --- | --- |
| Action | Reaction |
| Cashier want to view transaction.  Admin want to View transaction. | System shows recent transactions |

Postcondition: Admin logout from the system

Exception:

None

Special Requirement:

None

Use case Dependencies: None