

Table 1: List of actors

Actor	Description
Employee	Can avail RMS facilities to login, update data through employee ID and password
Customer	Need to register to avail RMS facilities
Cashier	Handles bill generation of customer orders and payroll
Waiter	Handles day-to-day customer order and also gets the orders approved
Chef	Handles day-to-day orders in the kitchen and approves them
ADMIN	Manages all the functionalities and privileges of RMS software such as updating , deleting and inserting new data

Table 2: List of use cases

#	Use Case	Description
UC1	Register	Allows to register with the MIS and create an account for all transactions
UC2	User login	RMS authenticates a member to let him avail the facilities
UC3	Order	A waiter places the order of a customer
UC4	Kitchen Order approval	Allows the orders placed to be approved from the chef
UC5	Inventory	Allows the ADMIN to maintain stock of food raw materials for cooking
UC6	Update	Allows the ADMIN to update data in the RMS software
UC7	Bill Generation	Allows the Cashier to generate bill for customers' orders
UC8	User Feedback	Manages the feedback of customers
UC9	Employee attendance	Manages all the employee attendance records of all employees
UC10	Employee Grievance	Manages all the grievances of Employees.



Table 3: Mapping functional requirements to use cases

FR #	FR Description	Use Case(s)
R1	New user registration	UC1
R2	User login	UC2
R3	Order Request	UC3
R4	Kitchen Order approval	UC4
R5	Bill generation	UC7
R6	Inventory	UC5
R7	Update	UC6
R8	User feedback	UC8
R9	Employee Attendance	UC9
R10	Employee Grievance	UC10



Table 4: UC1 -- User Registration

Use Case	UC1. User Registration
Description	Allows a member to register in to the system using his name and email ID for customer and Employee ID for employee registration
Assumptions	None
Actors	<ul style="list-style-type: none">• Customer• Employee
Steps	<ol style="list-style-type: none">1. User types in user ID, Name and contact details2. User types in password3. User clicks on the 'Register' button4. IF successful THEN show home page ELSE display error and Display Registration Unsuccessful.
Variations	None
Non-functional	None
Issues	None

Table 4: UC2 -- User login

Use Case	UC2. User login
Description	Allows a member to login to the system using his user ID and password
Assumptions	User is previously registered in the RMS software
Actors	<ul style="list-style-type: none">• Employee• Customer• ADMIN
Steps	<ol style="list-style-type: none">1. User selects type of account2. User types in user ID3. User types in password4. User clicks on the 'Login' button5. IF successful THEN show home page ELSE display error



Table 4: UC3 – Order Request

Use Case	UC3. ORDER REQUEST
Description	Allows a waiter to place an order based on customer ID and table No.
Assumptions	<ol style="list-style-type: none">1. User is logged in2. User has access to view customer ID
Actors	<ul style="list-style-type: none">• Customer• Waiter
Steps	<ol style="list-style-type: none">1. User types in Customer ID, and Table No2. User types in the customer Order3. User can update the order4. User clicks on the 'Get approval' button5. IF order approved THEN show order status page ELSE display the order item unavailable and Display Order Unsuccessful "Please update Order".
Variations	None
Non-functional	None
Issues	None

Table 4: UC4 – Kitchen Order approval

Use Case	UC4. KITCHEN ORDER APPROVAL
Description	Allows the chef or Kitchen staff to approve or to reject orders.
Assumptions	<ol style="list-style-type: none">1. User is logged in2. User has access to view orders previously approved3. User has access to see orders which are yet to be approved4. User has access to status of each order
Actors	<ul style="list-style-type: none">• Chef• Waiter



Steps	<ol style="list-style-type: none"> 1. User views order to be approved 2. User checks in inventory if raw materials are available for an order 3. User clicks on the 'Approve' Or 'Reject' button 4. IF approved THEN show orders to be approved ELSE display the current order .
Variations	None
Non-functional	None
Issues	None

Table 4: UC7 -- Bill generation

USE CASE	UC5. BILL GENERATION
Description	Allows the cashier to generate bills based on the customers' orders placed
Assumptions	<ol style="list-style-type: none"> 1. User is logged in 2. User has access to view orders details 3. User has access to see orders which are linked to registered customers 4. User has access to update bill
Actors	<ul style="list-style-type: none"> • Cashier
Steps	<ol style="list-style-type: none"> 1. User checks the orders approved and orders delivered details 2. User generates the bill based on ordered items 3. User clicks on the 'Bill Generate' button 4. IF successful THEN Bill ELSE display error and Display Unsuccessful.
Variations	None
Non-functional	None
Issues	None



Table 4: UC5 -- Inventory

Use Case	UC5. INVENTORY MANAGEMENT
Description	Allows to maintain raw materials stock details and ADMIN maintains the Inventory system
Assumptions	<ol style="list-style-type: none">1. User is logged in2. User has access to view orders details3. User has access to see orders which are linked to registered customers4. User has access to update bill
Actors	<ul style="list-style-type: none">• ADMIN
Steps	<ol style="list-style-type: none">1. User stores no. of raw materials of each type2. User updates quantity3. User clicks on the 'Update' button4. IF successful THEN show home page ELSE display error and Display Retry.
Variations	None
Non-functional	None
Issues	None

Table 4: UC6 -- Update

Use Case	UC6. UPDATE
Description	Allows the ADMIN to update Login details of employees ,to reset password of employees and to delete employee accounts and also customer account
Assumptions	<ol style="list-style-type: none">1. User is logged in2. User has access to Employee details3. User has access to all the services of the RMS software4. User has access to database of RMS software
Actors	<ul style="list-style-type: none">• Customer• Employee• ADMIN



Steps	<ol style="list-style-type: none"> 1. User types in user ID of customer or an employee 2. User types in Reset password 3. User clicks on the 'RESET' OR 'UPDATE' or 'DELETE' button based on the need 4. IF successful THEN show home page ELSE display error and Display Reset/Update/Delete Unsuccessful.
Variations	None
Non-functional	None
Issues	None

Table 4: UC8 -- User feedback

Use Case	UC8. USER FEEDBACK
Description	<p>Allows a customer the customers give feedback on the restaurant's service to the customer provided the customer is previously registered and has at least one order ordered and only one feedback can be provided after each order and this feedback is sent the admin and is also linked to the customer's account for which the customer can also update and delete their</p>
Assumptions	<ol style="list-style-type: none"> 1. User is logged in 2. User has permission to give feedback
Actors	<ul style="list-style-type: none"> • Customer • ADMIN
Steps	<ol style="list-style-type: none"> 1. User types in Order ID 2. User types in Feedback 3. User clicks on the 'Submit' or 'DELETE' button 4. IF successful THEN show home page ELSE display error and Display operation Unsuccessful.
Variations	None
Non-functional	None
Issues	None



Table 4: UC9 -- Employee Attendance

Use Case	UC9. Employee Attendance
Description	This employee attendance facility is maintained by the admin. He/she will maintain all the attendance records of the employee's.
Assumptions	<ol style="list-style-type: none">1. User is logged in (EMPLOYEE/ADMIN)2. User has permission to give feedback
Actors	<ul style="list-style-type: none">• ADMIN• Employee
Steps	<ol style="list-style-type: none">1. Employee types in user ID2. User clicks on the 'SUBMIT' button3. IF successful THEN show home page ELSE display error and Display Unsuccessful.4. For ADMIN to view the attendance just type employee ID or Click on Get_attendance to display all details of attendance of employees
Variations	None
Non- functional	None
Issues	None

Table 4: UC10-- Employee Grievance

Use Case	UC10. Employee Grievance
Description	If any employee has an issue regarding the functioning of the restaurant he or she may post their issue at the employee grievance, provided he or she has a valid employee ID
Assumptions	<ol style="list-style-type: none">1. User is logged in2. User has access to register a grievance
Actors	<ul style="list-style-type: none">• ADMIN• Employee
Steps	<ol style="list-style-type: none">1. User types in user ID, Name and contact details2. User types in password3. User clicks on the 'Register' button4. IF successful THEN show home page ELSE display error and Display Registration Unsuccessful.
Variations	None
Non- functional	None
Issues	None

