**Actors:**

1. System Administrators:

A system administrator is a restaurant manager. He can add HR representatives, change system features and generate reports.

1. HR Representative:

A HR representative is a tech company's contact person.

He can add VIP and regular users and receives monthly reports.

1. Host Waiter:

A Host Waiter is a special restaurant waiter. He can allocate seats to walk-in customers, receive status report and register walk-ins.

1. Regular User:

Is a tech company employee or a "regular" person. He can order food and reserve a seat and can also modify and cancel reservations and orders.

1. VIP User:

Is a regular user that works in a tech company that can do all a regular user can do, for more than one person.

**Use Cases:**

1. Making a Food Order or a reservation:

A user wants to order a food delivery or a seat in the restaurant he supplies the information needed to the system and receives a confirmation or appropriate message.

1. Canceling an Order or a reservation:

A user wants to cancel an order or a reservation so he uses the system for it. He receives an appropriate message at the end of the action.

1. Modifying an Order or a Reservation:

A user wants to modify an existing order or a reservation. The system deletes the old reservation/order and creates a new one (and notifies appropriately).

1. Making a VIP order:

A VIP user wants to order a food delivery or a seat in the for more than one person. He supplies all the information needed and is notified accordingly.

1. Modifying/Cancelling a VIP order:

A VIP user wants to modify/cancel an order or a reservation. He receives an appropriate message at the end of the action.

1. Displaying a Host Waiter Report and Allowing Host Waiter Seat Allocations:

The host waiter can view the status of reservations and can allocate seats for walk-in customers. He supplies all the system information needed for them.

1. Sending Monthly Reports Automatically:

HR representatives and system administrators receive monthly report that contains information about last month's customers.

1. Generating Reports On Demand:

A System administrator wants a report about customers data. The system provides the information needed using its databases.

1. Adding or Removing Users to/from System:

A HR representative wants to add or remove a user from the system. The system updates its databases according to the performed action.

1. Performing Changes to the System Changes:

A system administrator wants to change one or more features of the system. The system acts accordingly and notifies all the users about the change.

1. Adding and Removing HR Representatives:

A system administrator wants to add or remove a HR representative that will be able to add/remove users. The system performs the action and notifies.

**Use Case 1:**

**Name:** Make a seat reservation for lunch.

**Actors:** Regular User.

**Goal Description:** The user orders a seat in the restaurant.

**Reference to Requirement Document:** R3.1.

**Precondition:** The user was added to the system by a HR representative.

**Description:**

1. The user enters his information into the system (personal information, reservation request, reservation date or dates, payment method).
2. The system provides defaults values for information that was not entered.
3. The system checks if there are available seats at the restaurant for the requested reservation time.
4. The system attempts to authorize the payment.
5. The system sends a confirmation message to the user.
6. The system updates its databases accordingly.

**Postcondition:** Success – An order was made, the restaurant and user were informed, databases were updated. Failure – No order was tracked.

**Variations:**

1. There are not seats available for the requested date: An alternative time slot is proposed and chosen or the reservation is abandoned.
2. The user credit card authorization failed: The user enters a new payment method or the reservation is abandoned.
3. The user chose payment method to be the company but he is not registered as a tech company employee: The user enters a new payment method or the reservation is abandoned (The appropriate HR representative will be informed anyway).

**Exceptions:**

1. An electrical power interruption: Failure.
2. A network error: Failure.

**Use Case 2:**

**Name:** Inserting a new tech employee user to the system.

**Actors:** HR representative.

**Goal Description:** The user is registered to system.

**Reference to Requirement Document:** R3.9.

**Precondition:** The HR representative was registered to the system by administrator.

**Description:**

1. The HR representative instructs the system to add a new user.
2. The system requests the user information.
3. The HR representative enters the required information.
4. The system checks the information supplied to verify that the user can be added.
5. The system adds the user to the database.
6. The system notifies the HR representative.
7. The system notifies the system administrator.

**Postcondition:** Success – A user was added to the system and the HR rep. and system administrators were notified. Failure – No user was added to the system.

**Variations:**

1. A user with the same details already exists in the system: Failure and an appropriate message is displayed.

**Exceptions:**

1. An electrical power interruption: Failure.
2. A network error: Failure.