**IDENTITY SECTION**

**Project: e2z Food ordering application**

**ID:**  UC- 1.1

**Use Case Name: User Registration and Login**

**Priority**: ­­­­­­­­­­­­­­  Critical

Important

Nice-to-have

**Actor(s):** User, Database Administrator  
**Trigger Event:** User start the application and selects Sign up.

**Trigger Type:**  External

Internal

**Description:**  Customer has the application and wants to register for the food ordering application to start ordering the food. Once the user is registered, the application will take the user to the login page for the user to login.

**PROCEDURAL SECTION**

**Preconditions:**

1. Customer need to register for the food ordering application
2. Registration form is present in the database.
3. Customer employee number present in the database to verify the user.
4. Customer details Database ready to store the records.
5. User login details verification.

**Normal Course:**

|  |  |
| --- | --- |
| **Procedure NC 1:** | |
| **Major Steps for This Process** | **Inputs and outputs for each step** |
| 1. User selects on Sign up | >Registration form |
| 1. User fills in the Registration form | >User details |
| 1. User is verified using the employee number. (if employee number is not valid, System goes to E1) | <Employee Number  >Employee Verified |
| 1. User details stored in the database | >User details |
| 1. User login to the application (if user not able to login, System goes to AC1) | >Login id and Password  <Verification |
| 1. User logged in to the application. | < Login Successful |
| 1. End of Use case |  |

**Alternate Course**

|  |  |
| --- | --- |
| **Alternate Course AC 1:** If user not able to login (From NC 1.5) | |
| **Major Steps** | **Inputs and outputs for each step** |
| 1. User select forgot password | <User Details |
| 1. System sends a password reset option to the user’s registered Email id. | >Password Reset Link |
| 1. User resets the password | <New Password |
| 1. User’s new password stored in the Administration Database. | >New Password |
| 1. System goes to Step 1.5 | <Login Details |
| 1. End of Use case |  |

**Exceptions**

|  |  |
| --- | --- |
| **Exception E 1:** The Employee Number is not valid (From NC 1.3) | |
| **Major Steps** | **Inputs and outputs for each step** |
| 1. Employee Number is not present in the system | <Employee Number |
| 1. User not able to register to the application. | >Disagree employee request |
| 1. End of use case |  |

**Post Condition**

1. Customer has logged in to the application successfully and able to see the menus of all the restaurants in the cafeteria.
2. All customer details stored in the database.

**DATA SECTION**

**Summary of Inputs**

|  |  |
| --- | --- |
| **Inputs** | **Sources** |
| **Registration Form** | **Database Administrator** |
| **User Details** | **User, Database Administrator** |
| **Employee Number** | **User** |
| **Login Successful** | **Database Administrator** |
| **New Password** | **User** |
| **Disagreement employee Request** | **Database Administrator** |

**Summary of Output**

|  |  |
| --- | --- |
| **Outputs** | **Destinations** |
| **User Details** | **Database Administrator** |
| **Employee Verified** | **Database Administrator** |
| **Password Reset Link** | **Database Administrator** |
| **New Password** | **Database Administrator, User** |
| **Employee Number** | **Database Administrator** |

**ID:**  UC- 1.2

**Use Case Name: Customer Order Food**

**Priority**: ­­­­­­­­­­­­­­  Critical

Important

Nice-to-have

**Actor(s):** User, Food availability Department, Payment Department, clearing house  
**Trigger Event:** User selects the food which he needs to order.

**Trigger Type:**  External

Internal

**Description:**  After the customer has logged in the application the customer will be able to see all the menus of the restaurants in the cafeteria out of which he can choose the desired food he wants to order and make the payment for the same.

**PROCEDURAL SECTION**

**Preconditions:**

1. Customer logged in to the application
2. Database of the menus ready.
3. Payment details database ready

**Normal Course:**

|  |  |
| --- | --- |
| **Procedure NC 2:** | |
| **Major Steps for This Process** | **Inputs and outputs for each step** |
| 1. Customer select the food he wants to order. (If the food item is not available, System goes to AC2) | > Food menu |
| 1. Selected items added to the cart | <Ordered Items |
| 1. User selects the checkout option | >Payment details |
| 1. User selects the payment method | >Payment options  <Payment selected option |
| 1. The payment details sent to the clearing house to get the payment verified. (if the payment is not authorized, system goes to E2) | <Card details |
| 1. Clearing house sent the payment confirmation | >Payment Successful  >Approval Code |
| 1. Payment departments sends an order receipt and order number | >Receipt with Order number |
| 1. End of Use case |  |

**Alternate Course**

|  |  |
| --- | --- |
| **Alternate Course AC 2:** Food item not available (From NC 2.1) | |
| **Major Steps** | **Inputs and outputs for each step** |
| 1. Food items in the cart sent to the Food Availability Department | >Ordered Items |
| 1. User is notified of the food not available in his cart | <Food not available |
| 1. User notified of the item not available | >Food not available |
| 1. End of Use case |  |

**Exceptions**

|  |  |
| --- | --- |
| **Exception E 2:** Car details not authorized (From NC 2.5) | |
| **Major Steps** | **Inputs and outputs for each step** |
| 1. Clearing house receives the Card details of the user | <Car details |
| 2. Payment failure notification sent to the user | >Disapproval code |
| 3. User select different Payment option. System goes to (2.5) |  |
| 3. End of use case |  |

**Post Condition**

1. User have successfully placed the order
2. User received the order receipt.
3. Order sent to Order management department.

**DATA SECTION**

**Summary of Inputs**

|  |  |
| --- | --- |
| **Inputs** | **Sources** |
| **Ordered Items** | **User, Food Availability Department** |
| **Payment options** | **User, Payment Department** |
| **Card Details** | **Payment Department, Clearing House** |
| **Food not available** | **Food Availability Department** |

**Summary of Output**

|  |  |
| --- | --- |
| **Outputs** | **Destinations** |
| **Ordered Items** | **Food Availability Department** |
| **Food Menu** | **Food Availability Department** |
| **Card Details** | **User, Clearing house, Payment Department** |
| **Receipt with order Number** | **Payment Department** |
| **Approval Code** | **Clearing House** |
| **Disapproval Code** | **Clearing House** |
| **Food Not available** | **Food Availability Department** |
| **Payment Successful** | **Payment Department** |

**ID:**  UC- 1.3

**Use Case Name: Order Received by the Restaurant**

**Priority**: ­­­­­­­­­­­­­­  Critical

Important

Nice-to-have

**Actor(s):** Restaurant Manager, Chef, User   
**Trigger Event:** User Confirms the order and pays for the same and the order is received at the respective Restaurant

**Trigger Type:**  External

Internal

**Description:**  User selects confirm order and pays for the same the order is then sent to the respective restaurant from where the user have ordered the food. The restaurant manager then accepts the order and the order confirmation is sent to the user for the order.

**PROCEDURAL SECTION**

**Preconditions:**

1. The user has paid for the order.
2. Order details sent to the respective Restaurant.
3. Order Details Database ready
4. Order confirmation notification setup at every restaurant.

**Normal Course:**

|  |  |
| --- | --- |
| **Procedure NC 3:** | |
| **Major Steps for This Process** | **Inputs and outputs for each step** |
| 1. Ordered food is received by the respective Store Manager | <Order Details |
| 1. Store Manager sends the order details to the chef | >Order Details |
| 1. Chef confirms the order (If the order is not confirmed by the chef, System goes to E3) | >Confirmation Code |
| 1. Store Manager sends a confirmation to the User | >Confirmation Code |
| 1. Order Details stored in the database | <Order Details |
| 1. Payment Details Stored in the Restaurants Finance Database | <Payment Details |
| 1. End of Use case |  |

**Exceptions**

|  |  |
| --- | --- |
| **Exception E 3:** Order not Accepted by the chef (From NC 3.3) | |
| **Major Steps** | **Inputs and outputs for each step** |
| 1. Chef does not approve the order and the same sent to the store manager | <Disapproval code |
| 2. The store manager notifies the Disapproval of the order and the reason to the use | <Reason |
| 3. Order Deleted from the database | >Order Details |
| 4. End of use case |  |

**Post Condition**

1. The order details and the payment details are stored in the respective restaurants database.

**DATA SECTION**

**Summary of Inputs**

|  |  |
| --- | --- |
| **Inputs** | **Sources** |
| **Order Details** | **Store Manager, Chef,** |
| **Payment Details** | **Store Manager** |
| **Approval Code** | **Store Manager, User** |
| **Disapproval Code** | **Store Manager, User** |
| **Order confirmation code** | **User** |

**Summary of Output**

|  |  |
| --- | --- |
| **Outputs** | **Destinations** |
| **Order Details** | **Store Manager, Chef** |
| **Payment Details** | **Payment Database** |
| **Approval Code** | **Store Manager** |
| **Disapproval Code** | **Store Manager, User** |
| **Order confirmation code** | **User** |

**ID:**  UC- 1.4

**Use Case Name: Order Received by the Restaurant**

**Priority**: ­­­­­­­­­­­­­­  Critical

Important

Nice-to-have

**Actor(s):** Restaurant Manager, Chef, User.  
**Trigger Event:** The ordered food by the User is ready at the Respective Restaurant.

**Trigger Type:**  External

Internal

**Description:**  The store manager received the order ready status from the chef and the same is conveyed by store manager to the user.

**PROCEDURAL SECTION**

**Preconditions:**

1. Chef Received the full Order.
2. Ordered Food is ready to be Delivered to the User.
3. Order Details Database ready.
4. Order confirmation notification setup at every restaurant.

**Normal Course:**

|  |  |
| --- | --- |
| **Procedure NC 4:** | |
| **Major Steps for This Process** | **Inputs and outputs for each step** |
| 1. Chef sends a ordered ready status to the Store Manager | >Food ready |
| 1. Store Manager confirms the order using the order Number | <Order Details  <Order Number |
| 1. The food ready notification is sent to the user | >Food Ready Notif |
| 1. User Receives the Notification of the order | <Food Ready Notif |
| 1. User collects the food from the respective Restaurant (If user did not turn up to collect the order, System goes to E4) | >Order Details |
| 1. Store Manager Provides a receipt for the same | >Order Receipt |
| 1. End of Use case |  |

**Exceptions**

|  |  |
| --- | --- |
| **Exception E 4:** User did not come to collect the order (From NC 4.5) | |
| **Major Steps** | **Inputs and outputs for each step** |
| 1. Order Details are deleted from the Database | >Order Details |
| 2. End of use case |  |

**Post Condition**

Order is delivered to the User and the Order Status is Closed in the Order Details Database.

**DATA SECTION**

**Summary of Inputs**

|  |  |
| --- | --- |
| **Inputs** | **Sources** |
| **Food Ready** | **Store Manager, User** |
| **Order Details** | **Store Manager, Chef** |
| **Order Number** | **Store Manager, User** |
| **Food Order Notif** | **Store Manager.** |

**Summary of Output**

|  |  |
| --- | --- |
| **Outputs** | **Destinations** |
| **Food Ready** | **Store Manager, User** |
| **Order Details** | **Payment Database** |
| **Order Number** | **Store Manager** |
| **Food Order Notif** | **Store Manager, User** |
| **Order Receipt** | **User.** |