

Use Case Name: Register Account Under Banana Bakery

Summary:

A user without an account to the website inputs the necessary information in order to create an account to access the ecommerce website.

Actors: Unregistered User

Preconditions: User does not have an account yet in the database.

Description:

1. User clicks on Register here link.
2. Then, the user is redirected to the sign up page.
3. The user must input information required to create an account.
4. User clicks submit to create an account. System checks for validity of information.
5. After submission, the user uses the account to browse through the products.

Exceptions:

1. User inputted invalid credentials to create an account
System notifies the user where invalid credentials are seen. The user will be asked to repeat sign up steps where invalidity is seen. System repeats checking until information is valid
2. The user tries to sign up under a username that is already taken
System notifies the user where invalid credentials are seen. The user will be asked to repeat the step of creating a username. System checks if the username is unregistered in their database. System approves username when there is no previous registration under that username

Postconditions: The newly registered user is then granted access to the product list in order to purchase materials.

Use Case Name: Login Account Under Banana Bakery

Summary:

A user with a registered account must input the username and password he/she has registered. System approves login credentials. The user is then granted access to the website.

Actors: Registered User

Preconditions: The user must have an account under the system database. If preconditions are not met, unregistered users must refer to the register use case to create an account.

Description:

1. User clicks on the Login button from the Home page.
2. The user is redirected to the Login page.
3. The user inputs the username and password made under his/her registered account and clicks "Submit".
4. System checks for validity of username and password.
5. When a username and password match, the user is granted access to the website. System displays "Welcome (user's first name)!" at the top of the page.

Exceptions:

1. The username and password do not match.

System notifies the user of the error. User is then directed back to the Login page to input their username and password again.

Postconditions: The registered user is granted access to purchase products.

Use Case Name: Searching for a Product Under Banana Bakery Website

Summary:

A user with a registered account desires to search for a product that he/she may be having trouble finding in the presented product list. The user then searches for a product under the search bar to search for the item.

Actors: Registered User

Preconditions: The user must have an account under the system database. If preconditions are not met, the unregistered user must refer to the Register Use Case to create an account.

Description:

1. The user browses through the product list of the website
2. If the user wishes to search for a particular item, he/she must input the name of the item in the search bar.
3. The user searches for a particular item. Once the user finds it, he/she clicks on the item, and product details are presented.

Exceptions:

1. No item matches the search query
The system notifies the user that no items or related products are available on this website.

Postconditions: The user selects all items he/she wishes to place on delivery

Use Case Name: Viewing of Product Details Under Banana Bakery Website

Summary:

A user with a registered account is able to view all available products in the product list. Once the user selects an item, the details of that item are displayed on screen, and the users may choose to either add the product to his/her cart or go back to the product list.

Actors: Registered User

Preconditions: The user must have an account under the system database. If preconditions are not met, the unregistered user must refer to Register Use Case to create an account.

Description:

1. User browses through the product list.
2. When the user selects an item, he/she is directed to a page that gives details of the product.
3. Once the user decides to purchase the product, the customer adds the item to the cart.

Exceptions:

1. Product is not available for purchase.

The user is notified by the system that the item is not available to order.

The user is given the option to be notified once the product is available to purchase. Customer selects to return to the product list to search for other items.

2. Product is not desired by the customer.

User selects return to the product list to search for other items to purchase.

Postconditions: The user selects all items he/she wishes to place on delivery and adds them to the cart, which he/she may checkout afterwards.

Use Case Name: Adding Products to Cart Under Banana Bakery Website

Summary:

A user with a registered account is able to view all available products under the website. Once the user selects an item that he/she wishes to add to the cart, details regarding the product are displayed on screen.

Actors: Registered User

Preconditions: The user must have an account under the system database. If this precondition is not met, the unregistered user must refer to Register Use Case to create an account. Products must be available for order/delivery. If not met, refer to viewing product details use case.

Description:

1. The user selects the product he/she wishes to order.
2. System checks for availability of the product.
3. If available, the user clicks on add the add to cart option, and the product is added to the list of items in their cart.

Exceptions:

1. Product is not available for purchase.

The user is notified by the system that the item is not available to order.

The user is given the option to be notified once the product is available to purchase. Customer selects to return to the product list to search for other items.

2. Product is not desired by the customer.

User selects return to the product list to search for other items to purchase.

Postconditions: The user selects all items he/she wishes to place on delivery and proceeds to checkout.

Use Case Name: Checkout of Cart Under Banana Bakery Website

Summary:

A user with a registered account selects all products in his/her cart that the user wishes to checkout. Once the user proceeds to checkout the items he/she has selected, the transaction is processed and order is placed for delivery.

Actors: Registered User

Preconditions: The user must have an account under the system database. If this precondition is not met, the unregistered user must refer to Register Use Case to create an account. Products must be available for order/delivery. If not met, refer to viewing product details use case. Items must be added to cart. If not met, refer to the Add to Cart Use Case.

Description:

1. Once the user has selected all products he/she wishes to purchase in their cart, the user must click on the “View Cart” option of the website.
2. After reviewing all the products and deciding that all are listed correctly, the user proceeds to checkout.
3. The user inputs all payment information as well as delivery information needed.
4. User confirms the order and receives order details and receipt of purchase.
5. Order details, including delivery date, are given to the user.

Exceptions:

1. A product added under cart is not desired to be purchased.
User chooses to cancel the order and remove the item from the cart.
2. User wishes to add more items after reviewing his/her cart.
User is given the option to return to the product list and view more items to add to the cart.

Postconditions: The user places order and awaits delivery.

Use Case Name: Adding Products to Product List

Summary:

Manager adds products and necessary information and places the listing for sale. He/she then adds the product and product details to the current list of items for sale.

Actors: Manager with access to the website

Preconditions: The products to be placed on the list are ready for sale.

Description:

1. The manager puts together all information regarding the item, including item code, name, product details, price, and even pictures if he/she desires.
2. Manager inputs all information in the database.
3. The product is placed with the current listing of items.

Exceptions:

1. Missing information

The manager can opt to add or remove information concerning the product through these changes.

Postconditions: Products are placed among the list of products for a user to view and/or purchase.

Use Case Name: View Sales Transactions Under Banana Bakery Website

Summary:

A manager that has the ability to access them may view the sales transactions within the website.

Actors: Manager with access to the website and sales transactions

Preconditions: The manager must have access to the sales transactions of the website. A transaction is considered complete when items placed in the cart are checked out and placed for delivery by the customers.

Description:

1. As each item is placed in the cart and checked out, the manager is able to view all current transactions.
2. Previous transactions are also available for viewing. Along with this, itemized transactions of every item are also places for viewing.

Exceptions:

1. Cash On Delivery option

When a customer chooses this option, transactions will be recorded upon the delivery of the item and the receivment of payment.

Postconditions: The manager is able to keep track of cash flows and product availability as transactions are being made.