INFINITY BOUTIQUE

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Infinity Boutique

Description:

Infinity boutique is an electronic trade framework which provides a user/client to visit an online store and shop different items that they desire. With the use of this system, users won't need to physically visit any boutiques or shops because they can have the things they want delivered right to their doorstep. Instead, they can choose from a variety of products at one simple platform.

As we know the world is getting modern and is advancing day by day and the need for clothes and accessories is also increasing. Most people avoid going shopping as they have a busy schedule and are busy with their lives. To provide them with the facility to order what they want without leaving their house or their work, this electronic boutique system is a simple and easy way to access millions of different products without having to go and visit shops physically.

The project's goal was to give customers with all the available options and items on a single platform, reducing the need for them to physically visit different stores and saving them time and money that is spent on fuel wen going out for sopping. We are also aware of the hurdles that one must confront to obtain the products that truly suits them and what they actually desire. Instead of customers having to travel to the products, we thought, why not bring the things to them.
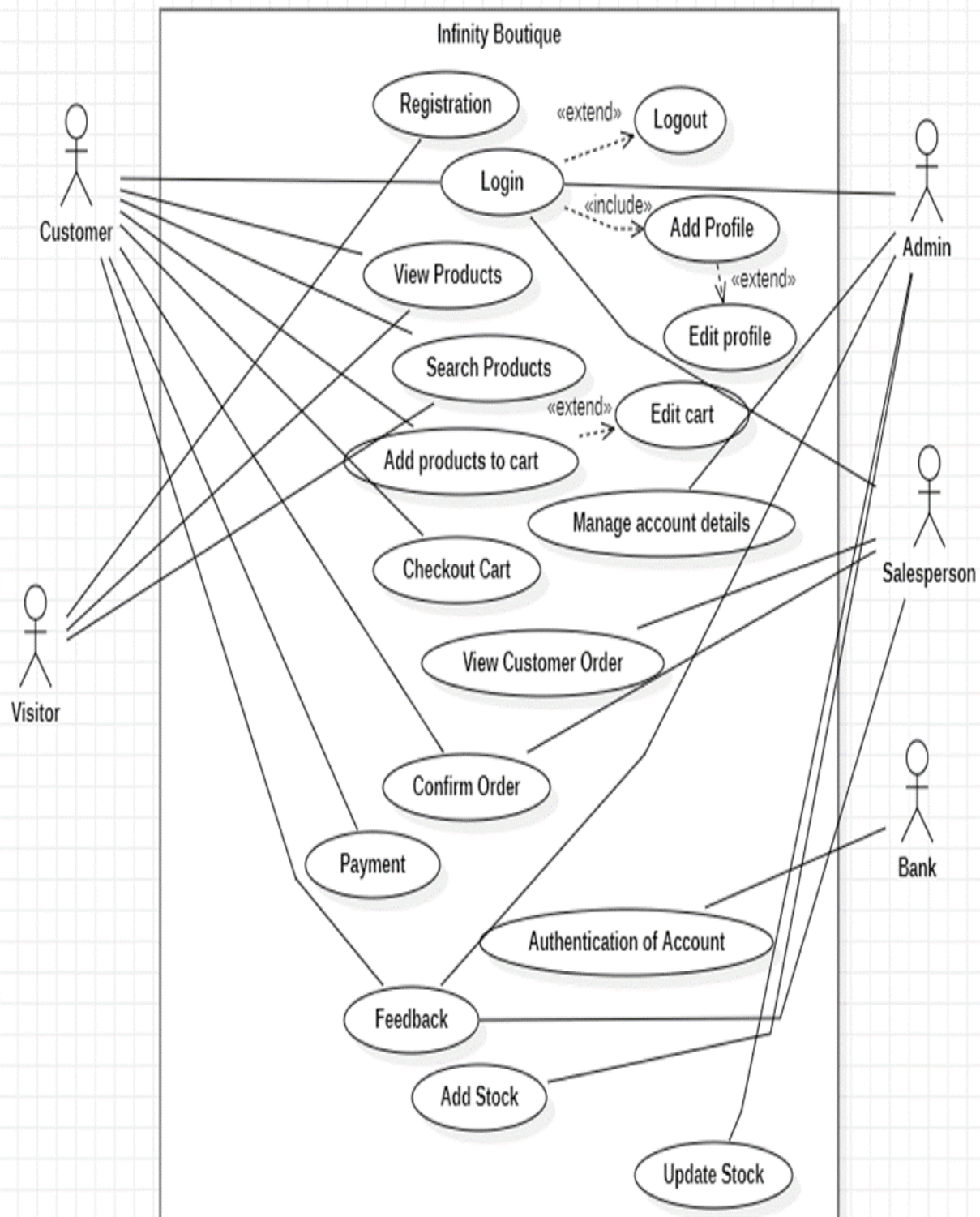
Use Case Diagram:

This system consists of the following actors

- Customer - Primary actor
- Visitor - Primary actor

- Admin - Secondary actor
- Salesperson - Secondary actor
- Bank - Secondary actor

The visitor can view or search products, but he/she must register an account to buy an item. The customer is a registered user of the system that will login to his/her account, search, or view items, add the desired items to the cart and can proceed to check out, make payment and give feedback about the items purchased. The customer will also be able to edit his/her shopping cart. The admin will also have to login to his account. He will manage account details, add, or update stock, and respond to customer feedback. The salesperson will login to his/her account and will add new stock to the boutique, view customer orders and confirm orders. The bank is responsible for authentication of bank account.

Diagram:

Use case UC1: Registration

Brief use case:

In this use case user will get registered will the boutique if he/she is currently not a registered user. The user will be asked to choose a valid username and password in order to get registered. The user must be a registered user if he wants to make purchases.

Fully dressed use case:

Use case name	Registration
Scope	Infinity boutique
Level	User goal
Primary actor	User
Stakeholder and interest	- Admin: Admin will have the notice of newly registered customer. The admin will have record of all the registered customer. - Salesperson: Salesperson will arrange the products according to the quantity of customer registered so that they don't have to face shortage of supply. Salesperson will have order more stock as number of customers exceeds previous count. - Government tax agencies will collect charges from the website owner as the traffic of website increase.
Precondition	The customer must access the website with stable internet connection.
Success guarantee (post condition)	The customer after registering can log in to the boutique.
Main success scenario	1. The salesperson and admin will have a notice when customer registers with boutique. 2. The admin will have to hire more salesperson if customer exceed certain range. 3. The salesperson will have to order more stock than usual in order to prevent shortage of stock in case or exceeding of customer.
Exception	- When the server is down due to some reason the customer could not get registered with the boutique. - The customer could not get registered if he have some network issues on his side.

Special requirement	If customer enters login password less than 8 digits, he/she will be asked to increase length of password in order to get registered.
Frequency of occurrence	This will occur when the customer visits website and want to create account.
Miscellaneous	Is account is created on more than one email?

SIGN UP NOW!

Your Email

Your Password

■ Agree to terms and services

(Create Account)

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

Already have an account?

(Login)

Use case UC2: Login

Brief use case:

In this use case the user will enter the boutique website. In order to use functionality of boutique the user must login first. After logging in to the website he can order stuff and make purchases. The user have to use valid credentials to log in to the website.

Fully dressed use case:

Use case name	Log in
Scope	Infinity boutique
Level	User goal
Primary actor	User
Stakeholder and interest	• Admin: Admin will have the record of how many customers visited website in specified time interval. • Salesperson: as a new customer login to the boutique, he will be provided with a salesperson. • Government tax agencies want to take tax from the boutique.
Precondition	The user in order to log in to the boutique must be registered in advance will the boutique
Success guarantee (post condition)	After logging in the user can visit his/her desired area of interest.
Main success scenario	1. The user will make purchases from the boutique. The user after making purchase will give his/her opinion regarding the boutique. 2. The admin on the other hand will take care about user's interest and according to his/her feedback, necessary changes will be made.
Exception	The user is not able to log in to the boutique despite entering correct username and password.
Special requirement	The user will have to write password exactly as he/she fixed it i.e. the password must me case sensitive.
Technology and data variation list	The customer can choose forget password to change it again.

Frequency of occurrence	This will occur when the customer wants to get into the system.
Miscellaneous	What happens if the customer forgets his password.?

Use case UC3: View Product

Brief use case:

In this use case, both customers and visitors will be able to view the recommended product. They will be able to see every detail of the desired product, including its quality, usage instructions, and so on, by viewing it. Its detail may also include product price, category, and size if required.

Fully dressed use case:

Use case name	View Product
Scope	Infinity boutique
Level	User goal
Primary actor	Customer, Visitor
Stakeholder and interest	• Visitor: want to view the product and must register if he/she wants to order it. • Customer: want to view the product of their choice and wants to know about the product details.
Precondition	• The user must visit the official website to view the product • The user must have a stable internet connection.
Success guarantee (post condition)	The user after viewing the product can add it to cart if they wish to order it.
Main success scenario	1. The user will visit the official website. 2. The user will click on the product to view it. 3. The product details of the product will be visible to the user.
Exception	• If the user is not able to view the product, then he/she should refresh the page. • The user should be re-visiting the website.

Special requirement	If the product is not viewed, then the system will immediately show the message of refresh the page.
Technology and data variation list	- The name of the product should be entered by the keyboard. - The programming language used is java.
Frequency of occurrence	This will occur multiple times as the user wants to view different products.
Miscellaneous	Can the customer directly view the products without visiting the official website?

Men   Women   Children   ∞   Search   Account   Cart

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Earn rewards and benefits when
you join our Loyalty Dept.

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spread your payments
weeks, interest-1

Add Image	Add Image	Add Image	Add Image	Add Image	Add Image

Use case UC4: Search Product

Brief use case:

If the user can't find their desired product on the main page, they can click on the search panel and search for the specific product that they desire. This use case helps them to find the product of their choice.

Fully dressed use case:

Use case name	Search Product
Scope	Infinity boutique
Level	User goal
Primary actor	Customer, Visitor
Stakeholder and interest	• Visitor: want to search the product in the infinity boutique system. • Customer: want to search the product in the infinity boutique system.
Precondition	• The user must visit the official website to search the product • The user must have a stable internet connection.
Success guarantee (post condition)	The user can view the desired searched product. The user can add the product to the cart.
Main success scenario	1. The user will visit the official website. 2. The user will click on the search bar. 3. The user will search for the product of their choice. 4. The user can view the product
Exception	*A. At any time when the search bar is not proper functioning: • The user will find the product from the categories.
Special requirement	It should take less than 10 characters. Both upper and lower-case characters can be used. There should be no numerical value.

Technology and data variation list	• The name of the product should be entered by the keyboard. • The programming language used is java.
Frequency of occurrence	• It will be continuous as multiple users will be searching for different products.
Miscellaneous	Can users search for the product by its bar code or just by its name? Is the search bar functional or not.

Men   Women   Children   ∞   Search   Account

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Use case UC5: Add Product to Cart

Brief use case:

All the product of customer interest will be assembled in the cart .it will collect all product of customer interest at here to make sure only this item is going to be shipped and confirm. After all products assemble there will be total amount of the customer, he is going to pay for generated.

Use Case Section	Comments
Use Case Name	Add product to Cart
Scope	Infinity Boutique
Level	User goal
Primary Actor	Customer
Stakeholders and Interests	Customer: All products are selected and assembled in the cart by customer.
Preconditions	• Product must be selected by customer • Customer must be registered • Customer account must be verified.
Success Guarantee	• As products selection is completed press done • Once done is pressed total amount will be generated of selected items. • Proceed Button will be pressed by customer for further processing.
Main success scenarios	• As items selected by customer • These selected items will be moved to cart • After selection is done • Total amount will be calculated beneath products • proceed is pressed by customer for moving ahead
Exceptions	• If items are missed to be entered in cart move toward edit • if product total failed to calculate then select again to be shown
Special Requirements	• There will be a feature to change the product • An edit a product if customer wants • There will be check out option if customer wants to confirm his/her cart
Technology and Data variations List	Post code of each product will be shown along every item in cart.
Frequency of Occurrences	• It will occur only one time per order. • Always occur before order a product.

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Color: **TOBACCO**

SIZE

XS	S	M	L	XL

ADD TO CART

Use case UC6: Checkout Cart

Brief use case:

It will appear as customer clicked check out to make sure what was selected and what was the total money generated and if something (product) need to be changed customer can do per record in check out and went wrong he/she can change the product or edit the product.

Fully dressed use case:

Use Case Section	Comments
Use Case Name	Check Out cart
Scope	Infinity Boutique
Level	User goal
Primary Actor	Customer
Stakeholders and Interests	Customer: He/she wants to confirm his/her items that must be shipped.
Preconditions	- List must be completed - Proceed must be pressed by customer. - A list is already available. - Amount must calculated and appeared beneath.
Success Guarantee	As customer checked and confirmed then confirmation will be done to have pressed confirmed button by customer.
Main success scenarios	1. After add product to cart is done 2. Customer can go with check out option if he/she wants.
Exceptions	If list does not complete or some selected item is missed then add product to cart button will be appear to give one more chance to select item again.
Special Requirements	- There will be an option to click check out again. - There will be an option to click edit product.
Technology and Data variations List	There will be post cost of every product available.
Frequency of Occurrences	- It will appear as customer pressed check out button. - Only once per clicked check out - Not always occur

Miscellaneous	How many customers checkout the cart at a time?

Use case UC7: Edit Cart

Brief use case:

If customer wants to change the product, replace with new product or delete and remove a product he/she can do in the edit option new product will be displayed instead of old one and new calculation will be done upon selected items.

Fully dressed use case:

Use Case Section	Comments
Use Case Name	Edit cart
Scope	Infinity boutique
Level	User goal
Primary Actor	Customer
Stakeholders and Interests	Customer: • Item can be placed with new. • Item can be changed with new. • Item can be removed.
Preconditions	• List must be completed. • List must be summited • Item must be placed at least one.
Success Guarantee	• New item will be added • Deleted item will be removed. • Changed item will be placed.
Main success scenarios	1. After placing new item or changing 2. Done will be pressed by customer 3. Money will be calculated of all selected items 4. Save will be pressed to make list save
Exceptions	If list does not edit again or save again will be there, can be selected
Special Requirements	• Edit again will appear. • Check out list will be available.

Technology and Data variations List	Post code will be available of every product
Frequency of Occurrences	• Not always occur • occur once per edit clicked by customer
Miscellaneous	What happened if the cart is not edit?

Use case UC8: View customer order

Brief use case:

In this salesperson is responsible to view the customer order which is placed by customer and then generate a bill according to product quantity

Fully Dressed Use case:

Use case name	View customer order
Scope	Infinity boutique
Level	User goal
Primary actor	Salesperson
Stakeholder and interest	Salesperson view customer order in which customer select the product and product quantity So according to selection of product and quantity generates bill which is paid by customer
Precondition	There must be an order placed by customer then salesperson view customer order
Success guarantee	After view the customer order salesperson start shipping the product
Main success scenario	Order must be placed if the order will be placed then salesperson view the order and do other process on order / start shipping of the product
Exception	If customer order will not view by salesperson due to any reason then salesperson go through the lists of order

Special requirement	Ones the order will be view then shipping process will be start
Frequency of occurrence	This will occur when salesperson wants to view the customer order.
Technology and data variation list	View customer order is important for product shipping.
miscellaneous	Which order is view by salesperson?

Use case UC9: Confirmation of order

Brief use case:

Customers select their own choice of product and place an order after placement of order then confirm the order and sale person view the customer order.

Fully dressed use case:

Use case name	Confirmation of order
Scope	Infinity boutique
Level	User goal
Primary actor	User
Stakeholder and interest	- Customers give the conformance about order - Salesperson view the confirmation of order
Precondition	Place an order is must for the confirmation of order
Success guarantee	After conformance customer choose the payment method
Main success scenario	There must be the order confirm by customer ones the order will be confirm then further process will proceed
Exception	If customer will not confirm their order, then order will not be cancelled only display a message to confirm their order please

Special requirement	If the customer doesn't confirm the order system immediately tells the customer, please confirm the order
Technology and data variation list	If order is not confirmed immediately first confirm order for further process
Frequency of occurrence	This will occur when customer confirm their order
Miscellaneous	• Which order is confirmed the customer? • Salesperson view/show the confirmation about which order?

Use case UC10: Payment

Brief Use Case:

This use case is related to the payment of the product. When user confirm their order a recipient slip will be generated which is displayed on the screen. In this recipient slip information of their customer's order is given. A registered user(customer) can only purchase item if user is not registered firstly, they registered with this boutique, then they can purchase the items. Payment done by online process. Customer can pay through easy paisa or Debit card.

Fully addressed use case:

Use case name	Payment
Scope	Infinity boutique
Level	User goal
Primary actor	Customer
Stakeholder and interest	• Customer: Wants to purchase the items and they have already registered to the system after confirmation of their order they can pay their order's payment. • Visitor: wants to view the products if they buy the products firstly, they register to the boutique. • Bank: when customer confirm the payment, they have to options pay by easy paisa or debit card after the verification of their account their payment submits in the bank. • Salesperson: Update/ add the new products and all collections and their prices.

	• Admin view the order history of customer and generate recipient slip/ bill. Customer will pay according to this recipient slip\bill.
Precondition	Customer must be register with the boutique and confirm their order also give their shipment address and contact number.
Success guarantee (post condition)	Verification of customer Easypaisa and bank account.
Main success scenario	1. Customers add the items to the cart if they buy this product, they confirm their order and recipient slip will be generated they can view their recipient slip and will payment through online process. The price of all items is given. On recipient slip the total prices of all items and delivery charges will be given. 2. Payment can be done through online process. 3. Only registered user can purchase the items 4. Customers confirm their order and give their shipment address and phone number.
Exception	• When the price of item is not added correctly to the recipient slip due to some reason then the customer send message to the admin, then the admin fixes the problem. • If the recipient slip is added successfully but still the system doesn't show the payment methods, then the admin fixes this problem.
Special requirement	If customer did not confirm the order and want to payment, then the system will immediately show the message Please confirm your order.
Technology and data variation list	When Customer confirm their order the payment method will be showed to the customer.
Frequency of occurrence	This will occur when customer confirm their order.
Miscellaneous	How many customers confirm their orders?

Use case UC11: Authentication of account

Brief use case:

In this use case the bank is responsible to check the customer account and money in the customer account when customer can payment through easy paisa or debit card firstly bank check their account if their account is existed then bank view the amount in their account. Then bank deduct the amount from the customer account according to the recipient slip and give the command to the admin that payment has been done successfully and admin generate the message to the user that "Thank you! Your payment has been done successfully and you will receive your order very soon". If there is no amount in the customer account, then bank send message to the admin "Payment Transaction failed due to insufficient balance" and admin display the message to the customer "Dear Customer! Payment Transaction failed due to insufficient balance". If account of customer does not exist, then bank send message to the admin that "There is something issue with this account number" and admin send this message to the customer.

Fully addressed use case:

Use case name	Authentication of account
Scope	Infinity boutique
Level	User goal
Primary actor	Bank
Stakeholder and interest	Admin: wants to check all the payment history of orders. Salesperson: wants to check how many products are sale in per day by payment history. Customer: wants to check their payment history of their orders. Government tax agencies wants to take tax from the admin.
Precondition	The recipient slip will be generated to the customer.
Success guarantee (post condition)	After payment, the message of confirmation will be given to the customer.
Main success scenario	First bank gives the response on customer account then give response on the payment to the Admin. Admin send the message to customer about payment, when payment clear the message of shipment will be send to the customer.
Exception	The system will not give the confirmation message of payment to the customer as there are some errors during making payment.

Special requirement	If payment has been done, then the system will show the shipment message to the customer.
Technology and data variation list	When payment has been done successfully the system will show the message of "Thank you! Your payment has been done successfully and you will receive your order very soon"
Frequency of occurrence	This will occur when payment has been done successfully.
Miscellaneous	How many customers had made payment?

Use case UC12: Feedback

Brief use case:

Customers give feedback about the products of the boutique. They can share their experience about the products. Customers give feedback in two ways by comment and by rating. Admin view their feedback and give response on these feedbacks.

Fully addressed use case:

Use case name	Feedback
Scope	Infinity boutique
Level	User goal
Primary actor	Admin, User
Stakeholder and interest	• Admin: wants to know how many customers are giving feedback. • Customer: Give feedback on the quality and quantity of products.
Precondition	Customer can give feedback after buying the product.
Success guarantee (post condition)	Admin View/ check the feedback.
Main success scenario	1. The Customer give the feedback but first he will purchase the item from the boutique. 2. Admin view the customer's Feedback. And take steps according to the feedbacks

Exception	When customer add feedback, but system can't show their feedback the admin resolves this issue.
Special requirement	If the customer wants to give feedback, then it will immediately do without taking any time.
Technology and data variation list	When customer give the feedback then system will show the message of "Thanks your feedback".
Frequency of occurrence	This will occur when customer want to give feedback.
Miscellaneous	How many customers give feedback?

Use case UC13: Add Stock

Brief use case:

In this use case the admin is responsible for the stock management. The admin has contracted with different companies for the stock. The admin will see the product sale per month and then fills the stock according to the product sale. The admin will supply the stock to the salesperson before the product finished. Due to this the customer do not wait for the product and order the product on time.

Fully addressed use case:

Use case name	Add stock
Scope	Infinity boutique
Level	User goal
Primary actor	Admin
Stakeholder and interest	• Admin: wants to add stock so that when the products are near to end then he must have the stock of that products and he only give those products to the salesperson for the sale to the customer and then refill the stock again. • Salesperson: wants to have enough products in the stock so that whenever customer demands for the product then the salesperson give it to the customer without having to ask customer to wait until stock fulfilled. • Customer: wants to purchase the product on time and do not wait that the product is out of stock.

	• Government tax agencies wants to collect the tax from the admin when he will buy the stock.
Precondition	There must be the contract with the companies from where the admin will buy the stock.
Success guarantee (post condition)	Stock is successfully added so the whenever customer wants to buy the desired product then he will not wait.
Main success scenario	1. The admin will first contract with some companies for the stocks of different products. 2. The admin will see the sale of products per month and then add the stock as per products sales. 3. If the products are near to end, then the admin give those products the salesperson from the stock. 4. Due to this customer do not have to wait for the product to be purchased.
Exception	• When the stock is not added due to some reason then the customer will see that the stock is out of order. • If the stock is added successfully but still the system shows that the stock is out of order, then the admin fix this problem. • If the stock is out of order and system does not show that stock is out of order, then the admin also fix this issue.
Special requirement	If the product is out of stock, then the system will immediately show the message that the product is out of stock.
Technology and data variation list	If items are out of stock, then message will be displayed to customer.
Frequency of occurrence	This will occur when the stock is near to end.
Miscellaneous	How much stock is needed? How many products are near to end?

Use case UC14: Update Stock

Brief use case:

In this use case the admin is responsible to update the stock timely means if new collection will come then he will add those products in the stock, if some products are not good in sale, then he will remove those products. Updating the stock means to buy those products that are in more demand so that this will help to grow the sale of products.

Fully addressed use case:

Use case name	Update stock
Scope	Infinity boutique
Level	User goal
Primary actor	Admin
Stakeholder and interest	Admin: wants to update the stock so that his sale increase rapidly as those products are sold out more quickly that are in demand. Salesperson: wants updated stock so that it is easy to sale those products. Customer: wants those products that are in fashion. Government tax agencies wants to take tax from the admin.
Precondition	The admin must know which products are in fashion so that he will update the stock according to that.
Success guarantee (post condition)	After updating the stock, it is beneficial for both the admin and the customer because customer buy what he wants, and this will increase the sale rate which is good for the admin
Main success scenario	1. First the admin will know which products are in fashion and which products are more liked by the customer. 2. Admin will know this by the feedback received by the customer that which products are more liked by the customer. 3. Then admin will update the stock according to customer wish.
Exception	The system will not update the stock as there are some errors while updating the stock then the admin fixes this problem.
Special requirement	If the stock is updated, then the system will show those products on the website immediately.
Technology and data variation list	If new products are added, then it will be shown on the website.
Frequency of occurrence	This will occur when admin wants to add new products.

Miscellaneous	Which stock is to be updated?
	Which new products are to be included?

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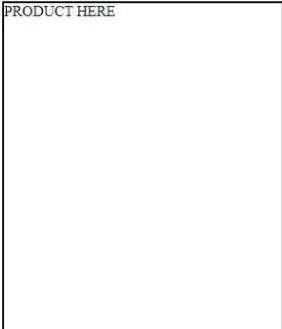for 10% off your first order.

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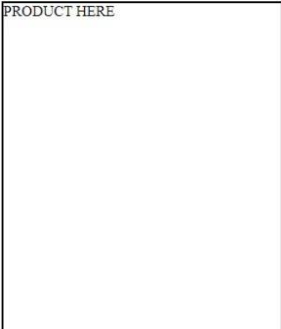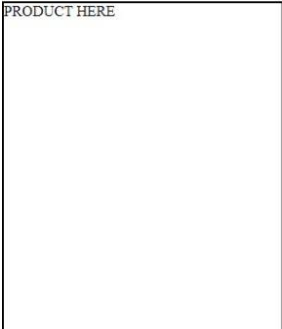
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New Arrival

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PRODUCT HERE

PRODUCT HERE

Use case UC15: Manage account details

Brief use case:

In this use case the admin will manage all the accounts details whether it if of customer or salesperson. When the customer tries to register then admin will check whether the information that the customer has entered are true or not and how many customers are using this website. Also, if someone has to forget the password then the admin will also recover this. The salesperson account details are also managed by the admin.

Fully addressed use case:

Use case name	Manage account details
Scope	Infinity boutique
Level	User goal
Primary actor	Admin
Stakeholder and interest	• Admin: wants to know how many customers are using this website and how many salespersons are there.
Precondition	The admin must have his own account and access to all the other accounts.
Success guarantee (post condition)	When there are some issues regarding account then it will be solved by admin as he is responsible for accounts management.
Main success scenario	3. The admin first creates his account where he will manage all the other accounts. 4. He will have the access of all the account. 5. When the customer registered then the admin will know his account details. 6. If there is any issue faced by customer, then it will fix by the admin.
Exception	In case if customer forget the password and the account is not recovered by admin then user can make another account.
Special requirement	If the customer wants to update his account, then it will immediately done without taking any time.
Technology and data variation list	If user forget password, then it will be recovered.

Frequency of occurrence	It occurs when there is issue regarding accounts.
Miscellaneous	How many customers create account? How many customers have issue relating to accounts?