

1) Feature information :

Feature Name : Products and Cart limit Feature .

Date : 2/6/2021

Created by :

Team :

Product Owner	
Engineers	
Designers	
QA	
Business Owners	

2) Summary :

Creating a Minimum / maximum Product's units that the customer need to reach to complete his order and also creating a minimum/ maximum Cart value to proceed the customer order .

3) Problem :

1- Due to some product's nature , the customer cannot order 1 or 2 units because it wouldn't be efficient or rewarding for the merchant to ship this small number of units. Examples of these products are Water bottles .

2- Some products are limited in quantity so merchant needs to make sure that every customer gets a piece of this products so they need to limit the maximum number of units that the customer can order from this product .

3- Some orders are very low in price value , they can cause an operational and fulfillment problem for the merchant , so some merchant's are requesting to have a minimum cart value , so they can focus on delivering the best service for their customers .

4- Also merchant's that are using their store for Wholesale are facing a problem with their customer because we don't support minimum Cart value or minimum product's units .

4) Competitors :**4-1) Shopify :**

Feature is not available in shopify itself but it's provided in many third party apps ([minicart](#) - [order limits](#) - [Order Logic](#) - [Order Limits](#) - [order minimum app](#) - [Advance order Quantity](#))

Most of this apps are providing The following Limit customization

1- Min and Max limits for (Cart value - product - Product Category - Product Type - Variant - Product Tag) .

2- Customers can customize the error message that appears to the customer if he doesn't meet the minimum cart value .

3- Customer Can create a " New limit " in which he can do the following

(Limit name - Active / Not Active - Start date - End date - Customer group)

4- Customers can put min and max cart limits not only on value but also on (Value - Quantity - Number of items on the cart - Cart weight) .

5- Customer Can Exclude (Products - Categories - vendors - Tags - Product Types)

5) Solution :

- 1- Adding a minimum and maximum product units , to be set by the merchant from dashboard , the limit is applied also on the product options .
- 2- Adding Minimum and Maximum Cart Value , to be set by the merchant from the Store Settings Page
- 3- The feature will be active automatically when the merchant specify a number at the value boxes , and if there is no value the limits are deactivated
- 4- Warning messages should appear to the customer if he tried to order more or less items from the limits that had been set by the merchant .
- 5- Warning messages for product limits should appear when the customer clicks on " اضع للسلة " button , and for the cart it appears when the merchant view the cart and clicks on " إتمام عملية الشراء " button
- 6- The error message must be clear warning the merchant about the limit as an example
 " عذرا الحد الأدنى لطلب المنتج هو ٦ قطع قم بإضافة عدد أكبر من القطع "
 " عذرا الحد الأدنى لقيمة سلة المشتريات هو ١٠٠ ريال ، قم بإضافة المزيد من المنتجات للسلة لاستكمال الطلب "
- 7- We will apply the limits on the customer level , by identifying every customer using his " Email or phone number " .

6) User Stories :**1) User Story 1 :**

As a merchant i need to enter Web merchant > Products > Product List page > Product Details Page > under the product Quantity box , i 'll find new two input boxes asking about (Minimum quantity for every customer - Maximum Quantity per customer) .

As a merchant the feature will only be Activated if i entered a value in this boxes if not the feature will not be activated .

2) User Story 2 :

As a Merchant i need to enter Web merchant > Settings > Store Settings > Store Properties to find two boxes to add cart limit (Minimum and Maximum Value)
 and According to the default currency that the merchant had chosen in his store , a grey text inside the box will show the currency symbol .

7) Design Link :

8) General Notes :

1- Loom Video To explain the Feature :

9) Feature Phases

Phase Number	What to expect ?
1	<p>we are going to focus on rolling out the product minimum and max quantity limits first before launching cart limits at phase 2</p> <p>From the merchant dashboard</p> <p>1- Adding the أقصى كمية لكل عملي و أقل كمية لكل عميل fields at the product details page .</p> <p>2- Merchant only can add number to those fields and the limit doesn't relate to the product quantity , it's just an integer positive number .</p> <p>3- if the merchant wrote down any numbers at those fields rather than " zero " the min , max or both features will be activated .</p> <p>from the catalog</p> <p>1- Quantity Validation error message will appear when the customer presses on " add to cart button " if he doesn't meet the minimum or the maximum quantity set by the merchant .</p> <p>from the cart page</p> <p>1-Quantity validation error message will appear if the customer tries to change the quantity of the product added to the cart under or above the limits .</p>

	2- The error message must contain the min and max values .
2	<p>from merchant dashboard</p> <p>1- Adding the min / max cart value fields at the following page (Settings > store Properties > orderes Properties .</p> <p>from the catalog</p> <p>1-Cart value Error message will appear when the customer presses on " إتمام عملية الشراء " from the cart view page .</p> <p>2-Error message will appear under the Cart total preventing the customer from moving to the next step of completing the order .</p> <p>3- if the customer adjusted the quantity at the cart page to work around the cart limitation an error message will also appear to prevent processing the order .</p>