

Shopping Cart Promotion Rules

Rapidly build and author decision logic for custom and extension applications using SAP Business Rules service. Cross industry LoB users and application developers can now translate business decision logic into a natural language that is configurable directly by business without IT or developer intervention.

CUSTOMER



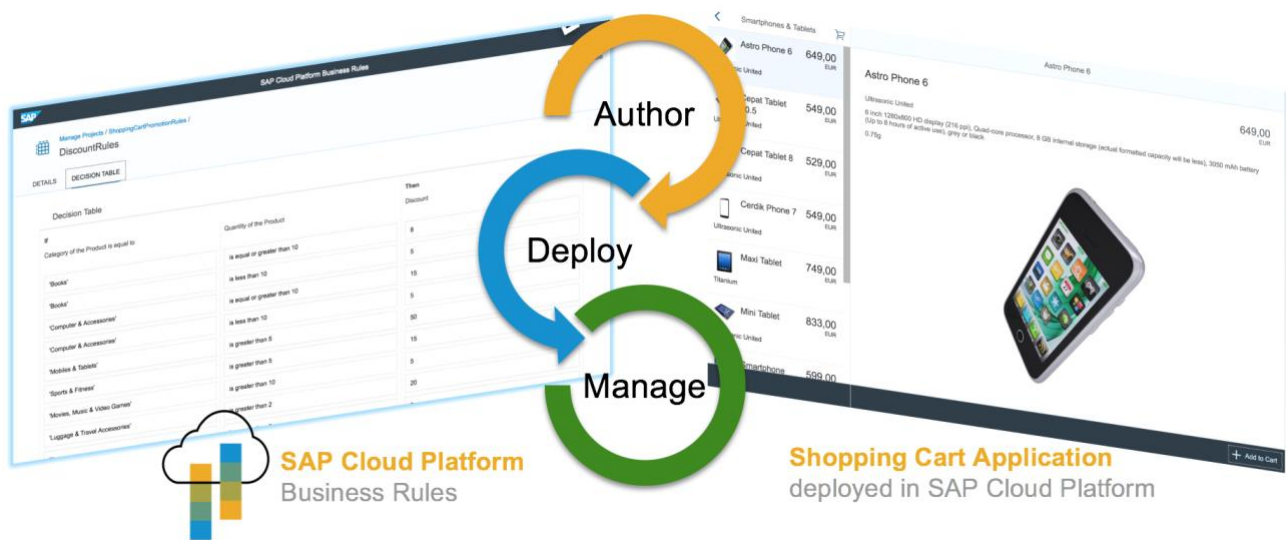
SCENARIO DESCRIPTION

Sales Promotions are common in business. It is offered to customers by providing coupons, free trials, discounts, to name few. Discounts are one the most used techniques for sales promotion.

It helps the business by attracting new customers, increasing sales and gaining reputation. To meet strong competition among the suppliers, there are discounts offered in various categories of the products. The discount percentage varies based on the customer's demand, festivals, clearance and many such factors.

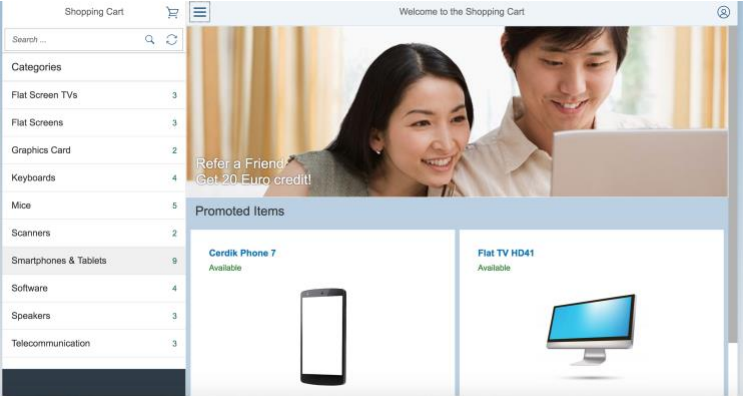
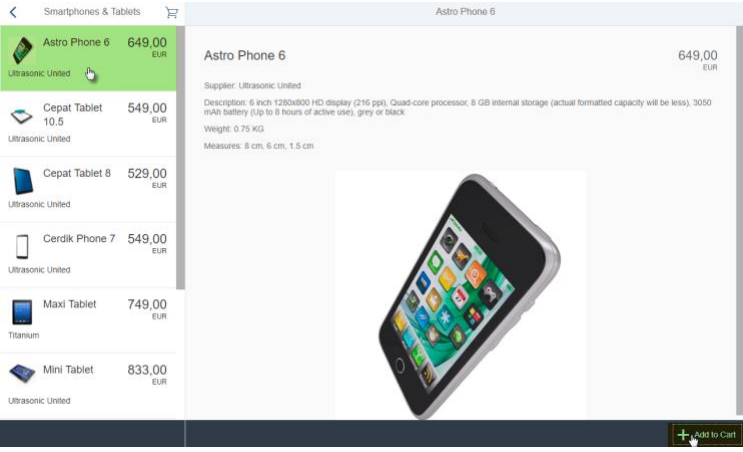

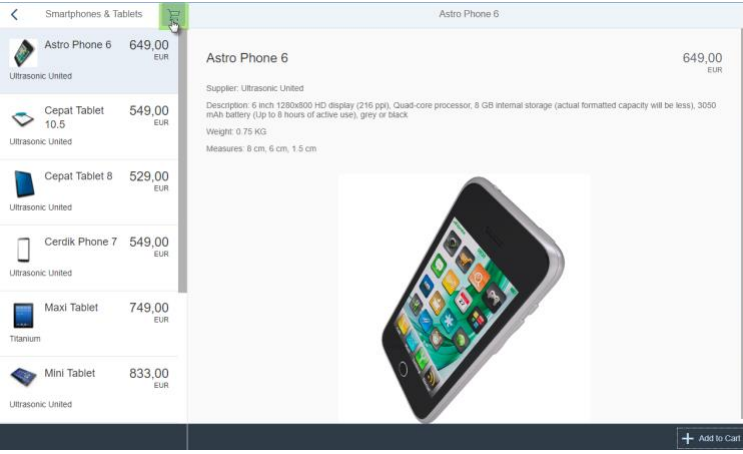
Complex rules are involved to calculate the discounts and have the frequent need to change them based on the market trends. It, therefore, becomes extremely necessary for the suppliers to have an agile rules platform which gives them flexibility to author and manage rules in most effective manner.

In this demo you will see how the business rules authored using SAP Business Rules service can be consumed in a custom shopping cart application.



PREREQUISITES

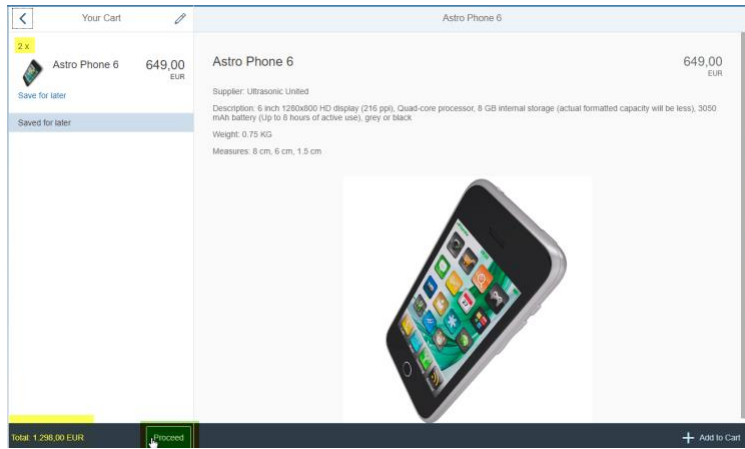
- You have **SAP Business Rules** service activated in your SAP Business Technology Platform account
- You have business rules roles assigned to your user ([help documentation](#))
- You have imported, activated and deployed **ShoppingCartPromotionRules** ([link](#))
- You have imported and activated **ShoppingCart** application ([link](#))

Explanation	Screenshot
<p>1. Open the shopping cart application with your SAP BTP user credential</p> <p>2. Click on 'Smartphones & Tablets' Category.</p>	
<p>3. Select 'Astro Phone6'.</p> <p>4. Click on 'Add to Cart' button twice so that Quantity in shopping cart is 2.</p>	
<p>5. Click on the shopping cart icon  on top-right corner of the left menu list – to see two products added to the shopping cart.</p>	

Note: Observe that the **Quantity** of the individual products in shopping cart and **Total Cost** of shopping cart are displayed.

6. Click on the 'Proceed' button.

Note: Rule Service is triggered when **Proceed** is clicked and discounts are applied based on the rules.

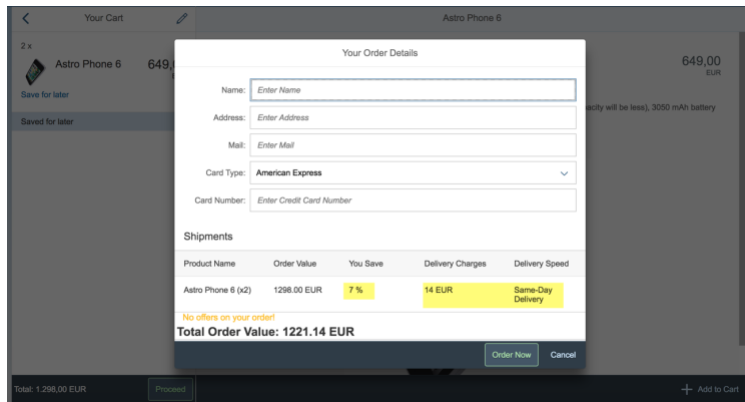


Note: Since the **Quantity** is less than 5 under '**Smartphones & Tablets**' Category, so the **Discount** applied is as per the rules.

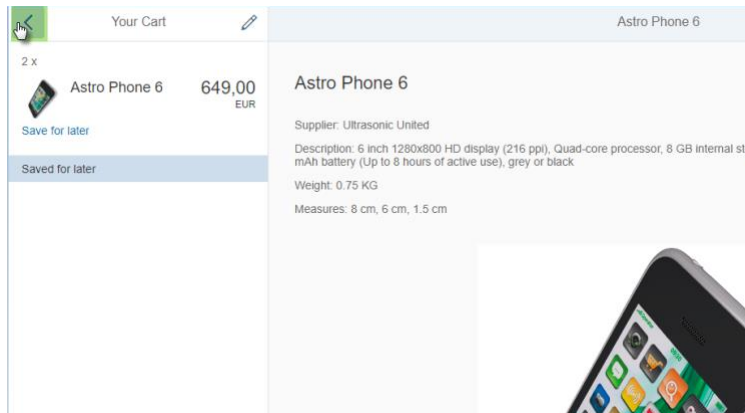
Also, note the Shipping charges that have been determined based on the chosen products

You also note that there are no additional (seasonal) offers that are available on the date. This may change depending upon when you click on Proceed to place the order.

7. Click 'Cancel' button




8. Click **back** button to get out of Shopping Cart.

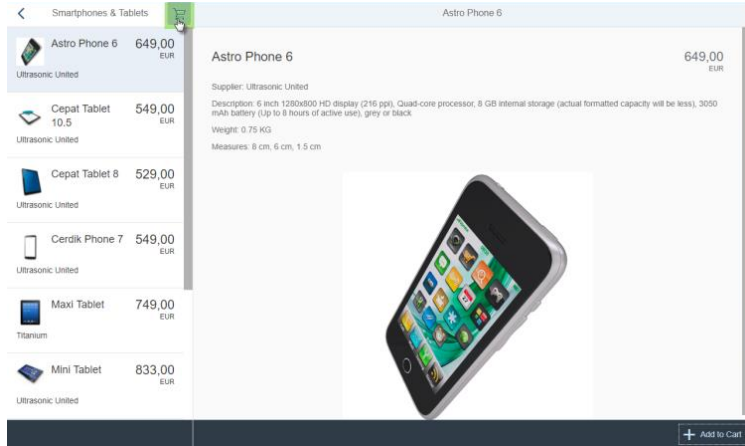


9. Select '**Astro Phone6**' and click on '**Add to Cart**' 10-times so that the Quantity is 12 now.

Note: You can add any product, any number of times to the shopping cart.



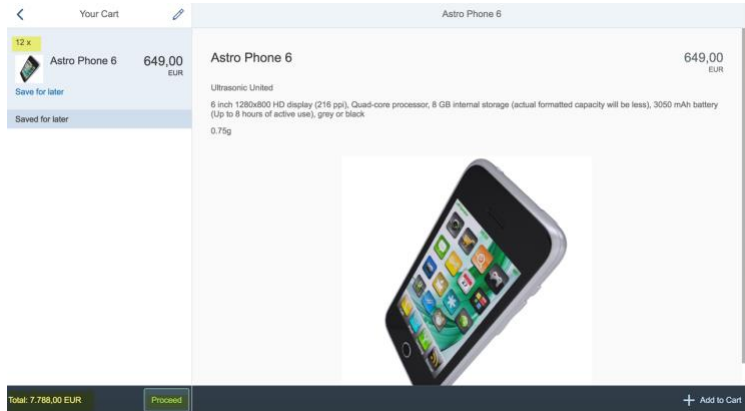
10. Click on the shopping cart icon  on top-right corner of the left menu list – to see all the products added to the shopping cart.



Note: Observe that the **Quantity** is changed to 12 and **Total Cost** of shopping cart is changed.

11. Click on the '**Proceed**' button

Note: Rule Service is triggered again when '**Proceed**' is clicked and discounts are applied based on the rules.



Note: Since the Quantity has increased for 'Smartphones & Tablets' Category to more than 10, so respective discount is applied as per the rules.

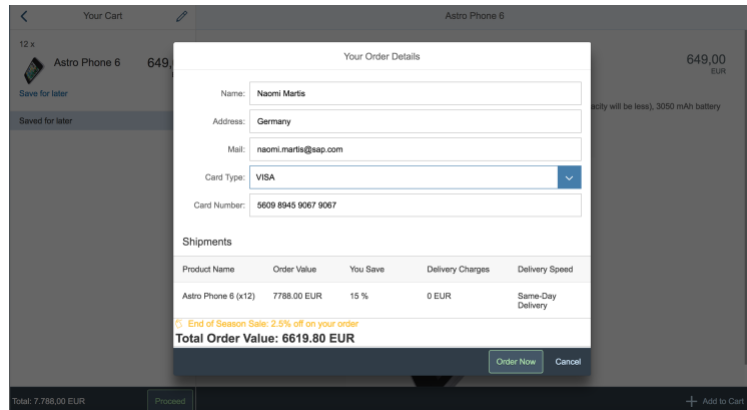
Additionally, you will also notice the shipping details like Delivery Charges and Delivery Speed. These too are calculated via business rules that are based on the seller of the product, unit price and quantity of the product.

Also notice the seasonal discount applied on the total order value. This discount is applied via Text Rule.

12. [OPTIONAL] You can enter the shipping address and payment methods and click '**Order Now**'.

You will see a successful message saying: "Your Order was placed".

13. Close the browser.



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