



LINEAR BARCODES AND 2D BARCODES

HOW BARCODEZONE APP WORKS?

Once the package is installed visualforce components and Lightning components are created in your org. Barcode Zone works on visualforce pages. For each object (like Product), you need to add the barcode visualforce page into the object page layout (or the record detail page).

FOR LIGHTNING COMPONENTS:

METHOD 1:

There are three steps to display the barcode on your standard record detail page:

1. Add a custom field into the object which you want to display the barcode.
2. Create a visual force page to generate the barcode.
3. Add the visual force page into the page layout

Step1: Create a custom picklist field

Example: Barcode Type with the values listed below.

- a. code128
- b. code39
- c. ean13
- d. ean8
- e. qrcode
- f. pdf417

Step 2: Create a Visualforce Page.

Note: Please re-type the single and double quotes in the Visualforce page code.

Example: For custom controller or extension:

```
<apex: sidebar="false" showHeader="false">
  <apex:includeLightning />

  <script>

    var barvalue = '{!JSENCODE($currentPage.Parameters.Code)}';
    var barType = '{!JSENCODE($currentPage.Parameters.Type)}';

    if(barvalue == undefined || barvalue == " || barvalue == null)
      barvalue = "AQXOLT";
    if(barType == undefined || barType == " || barType == null)
      barType = "code128";

    if(barType == "code128" || barType == "code39" || barType == "ean8" || barType == "ean13"){

      !$Lightning.use("BarcodeZone:TestBarcodeLightning", function() {
        console.log('after app upload');
        !$Lightning.createComponent(
          "BarcodeZone:ACBarcodeZoneLightning",
          {Value: barvalue, BrCdType: barType},
          "Con", function(cmp) {
            console.log("Component created!");
          });
      });
    }
    else if(barType == "qrcode" || barType == "pdf417"){

      !$Lightning.use("BarcodeZone:Test2DBarcodeLightning", function() {
        console.log('after app upload');
        !$Lightning.createComponent(
          "BarcodeZone:AC2DBarcodeZoneLightning",
          {Value: barvalue, BrCdType: barType},
          "Con",
          function(cmp) {
            console.log("Component created!");
          });
      });
    }

  </script>
  <div id="Con"></div>
</apex:page>
```

For e.g., our case, we create a new Visualforce Page and add the below code for standard controller:

```
<apex:page standardController="Product2" sidebar="false" showHeader="false">
  <apex:includeLightning />

  <script>

    var barvalue = '{!JSENCODE($currentPage.Parameters.Code)}';
    var barType = '{!JSENCODE($currentPage.Parameters.Type)}';

    if(barvalue == undefined || barvalue == '' || barvalue == null)
      barvalue = "{!JSENCODE(Product2.ProductCode)}";
    if(barType == undefined || barType == '' || barType == null)
      barType = "{!JSENCODE(Product2.BarcodeZone__Barcode_Type__c)}";

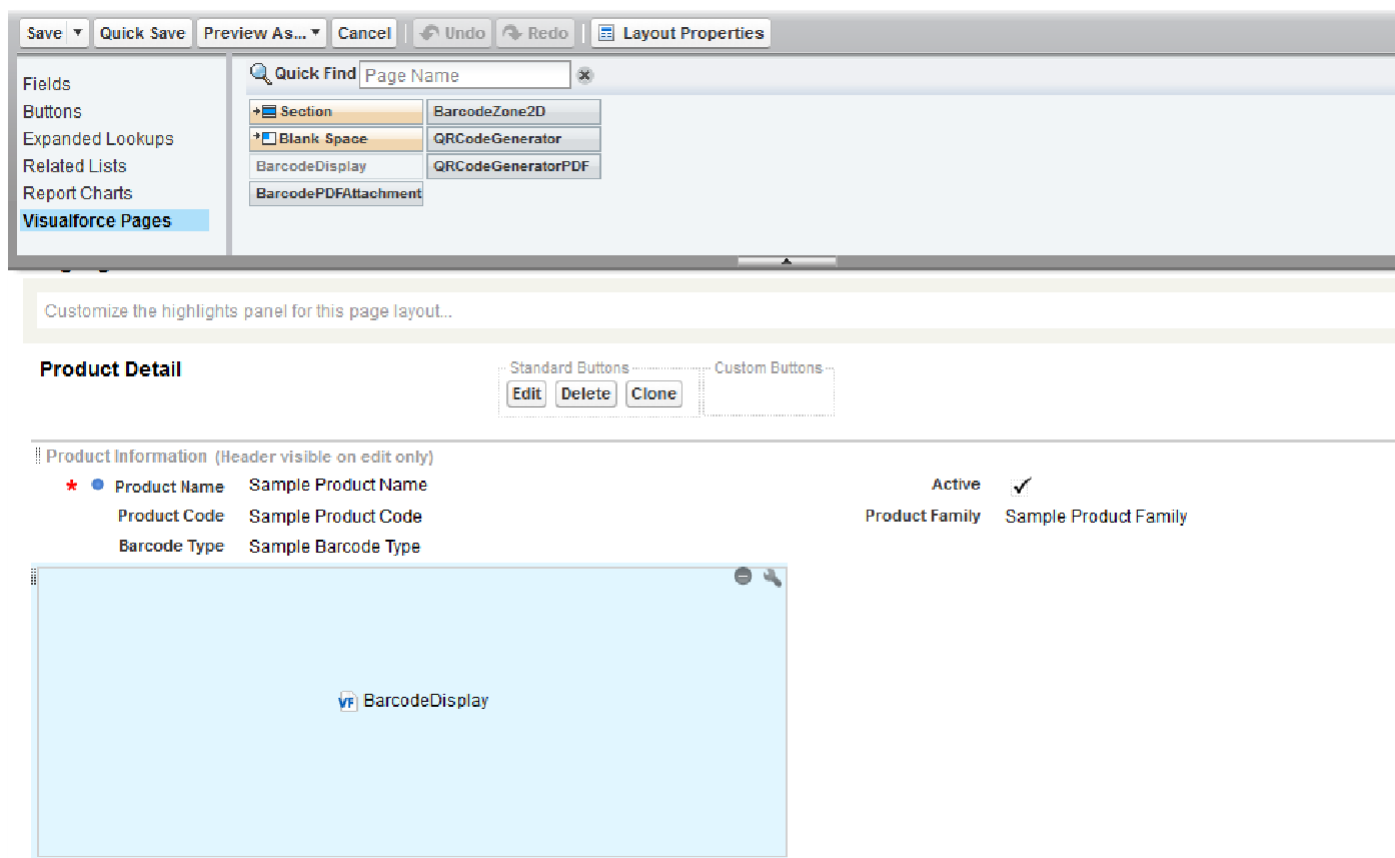
    if(barType == "code128" || barType == "code39" || barType == "ean8" || barType ==
"ean13"){

      !$Lightning.use("BarcodeZone:TestBarcodeLightning", function() {
        console.log('after app upload');
        !$Lightning.createComponent(
          "BarcodeZone:ACBarcodeZoneLightning",
          {Value: barvalue, BrcdType: barType},
          "Con",
          function(cmp) {
            console.log("Component created!");
          });
      });
    }
    else if(barType == "qrcode" || barType == "pdf417"){

      !$Lightning.use("BarcodeZone:Test2DBBarcodeLightning", function() {
        console.log('after app upload');
        !$Lightning.createComponent(
          "BarcodeZone:AC2DBBarcodeZoneLightning",
          {Value: barvalue, BrcdType: barType},
          "Con",
          function(cmp) {
            console.log("Component created!");
          });
      });
    }
  }

</script>
<div id="Con"></div>
</apex:page>
```

Attribute Name	Attribute Type	Description
barvalue	String	Barcode value for which the barcode will be generated
barType	String	Type of the barcode to be generated



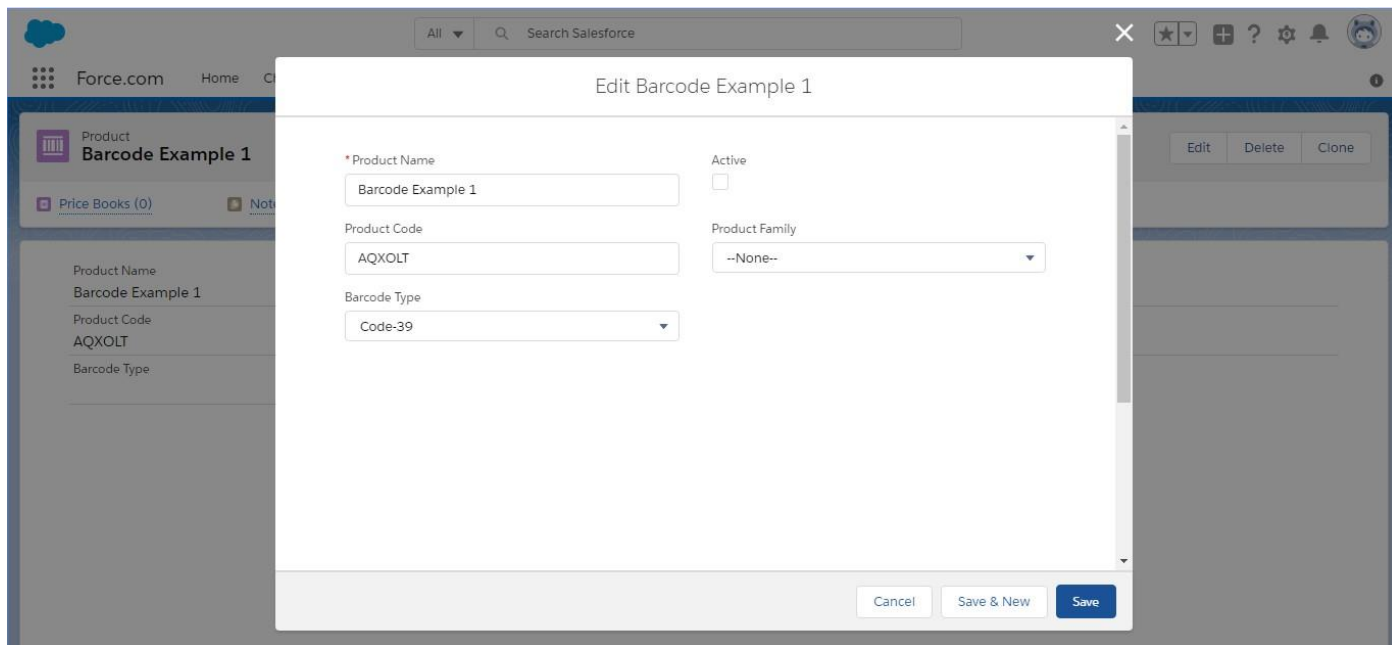
The screenshot shows the Visualforce Page Editor interface. At the top, there is a toolbar with buttons for Save, Quick Save, Preview As..., Cancel, Undo, Redo, and Layout Properties. Below the toolbar is a sidebar with a list of components: Fields, Buttons, Expanded Lookups, Related Lists, Report Charts, and Visualforce Pages (which is selected). The main workspace shows a 'Quick Find' search bar with 'Page Name' entered. Below the search bar, there is a list of components: Section, Blank Space, BarcodeDisplay, BarcodePDFAttachment, BarcodeZone2D, QRCodeGenerator, and QRCodeGeneratorPDF. The main workspace also displays a 'Product Detail' section with a 'Standard Buttons' group containing 'Edit', 'Delete', and 'Clone' buttons. Below this, there is a 'Product Information' section with a header 'Product Information (Header visible on edit only)'. This section contains a table with columns for 'Product Name', 'Product Code', 'Barcode Type', 'Active', and 'Product Family'. The 'Product Name' column has a value 'Sample Product Name'. The 'Product Code' column has a value 'Sample Product Code'. The 'Barcode Type' column has a value 'Sample Barcode Type'. The 'Active' column has a checked checkbox. The 'Product Family' column has a value 'Sample Product Family'. Below the table, there is a large blue rectangular area labeled 'BarcodeDisplay'.

ILLUSTRATIONS

1. Select any Product from the Product list or create a new product.
2. Enter the 'Barcode Value' to be generated and select the 'Barcode Type'.

Example 1:

Barcode Value is “AQXOLT” and
Barcode Type is “code39”.



Edit Barcode Example 1

* Product Name: Barcode Example 1

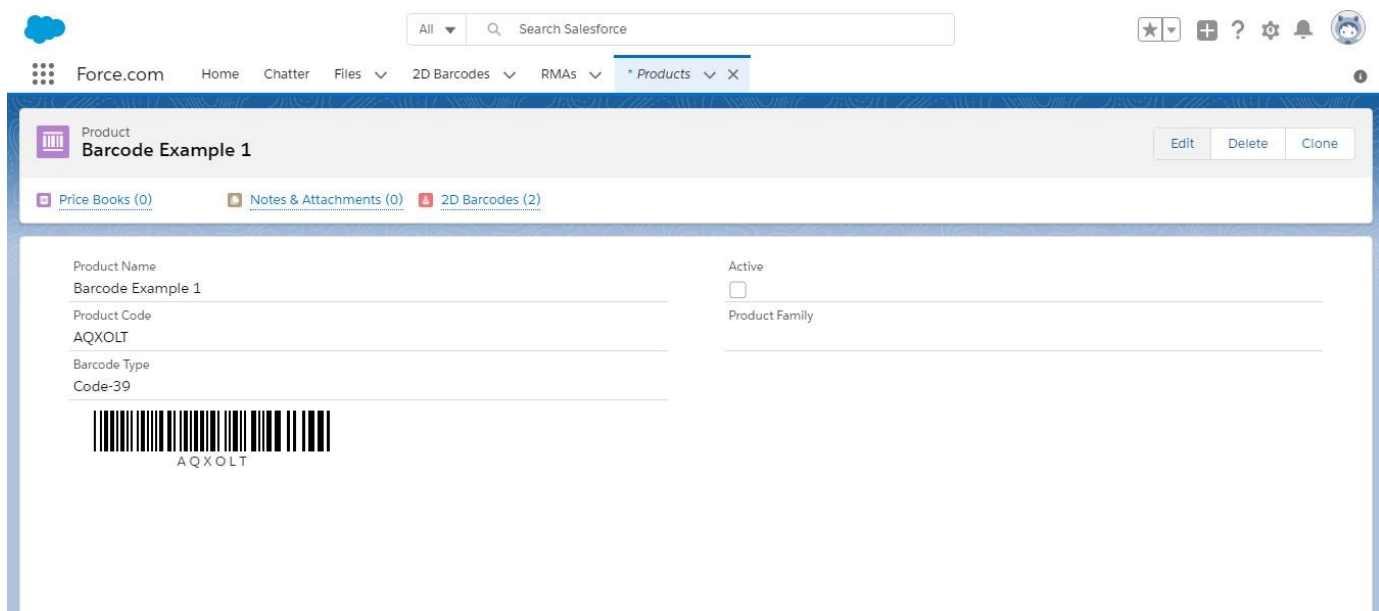
Product Code: AQXOLT

Barcode Type: Code-39

Active: ☐

Product Family: --None--

Buttons: Cancel, Save & New, Save



Product: Barcode Example 1

Price Books (0) | Notes & Attachments (0) | 2D Barcodes (2)

Product Name: Barcode Example 1

Product Code: AQXOLT

Barcode Type: Code-39

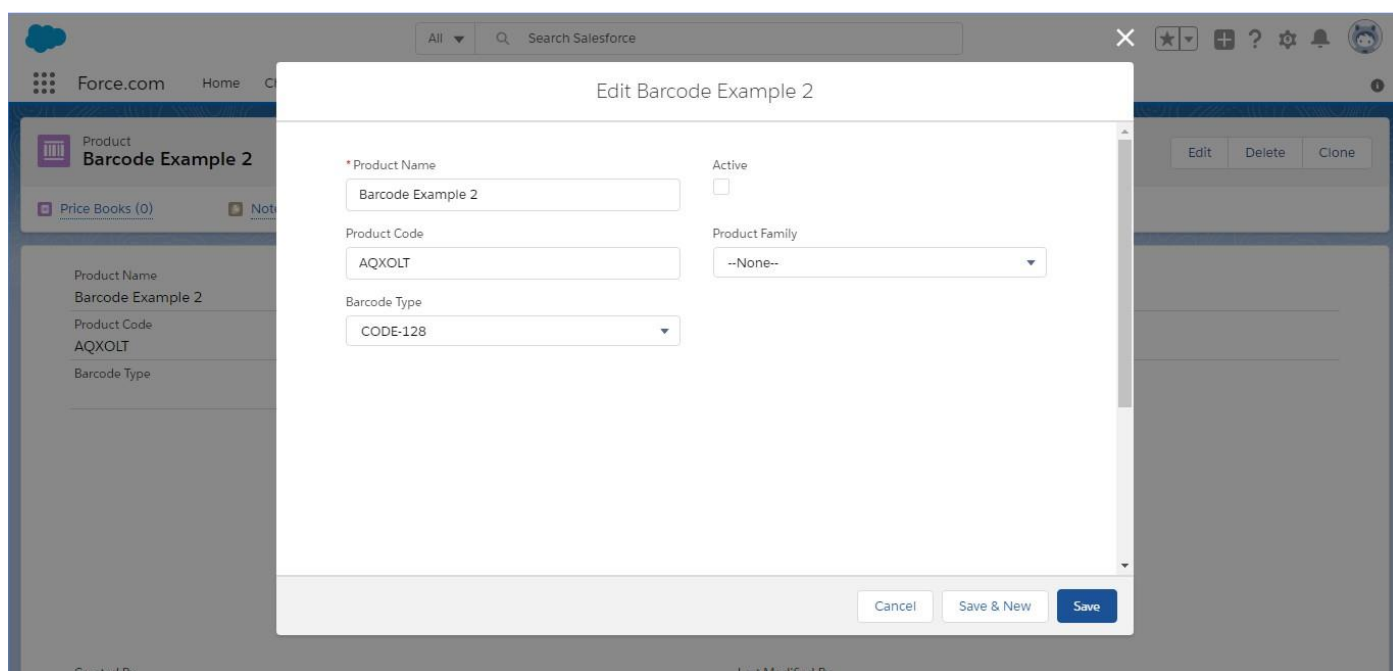
Active: ☐

Product Family:


AQXOLT

Example 2:

Barcode Value is **"AQXOLT"** and
Barcode Type is **"code128"**.



Edit Barcode Example 2

* Product Name: Barcode Example 2

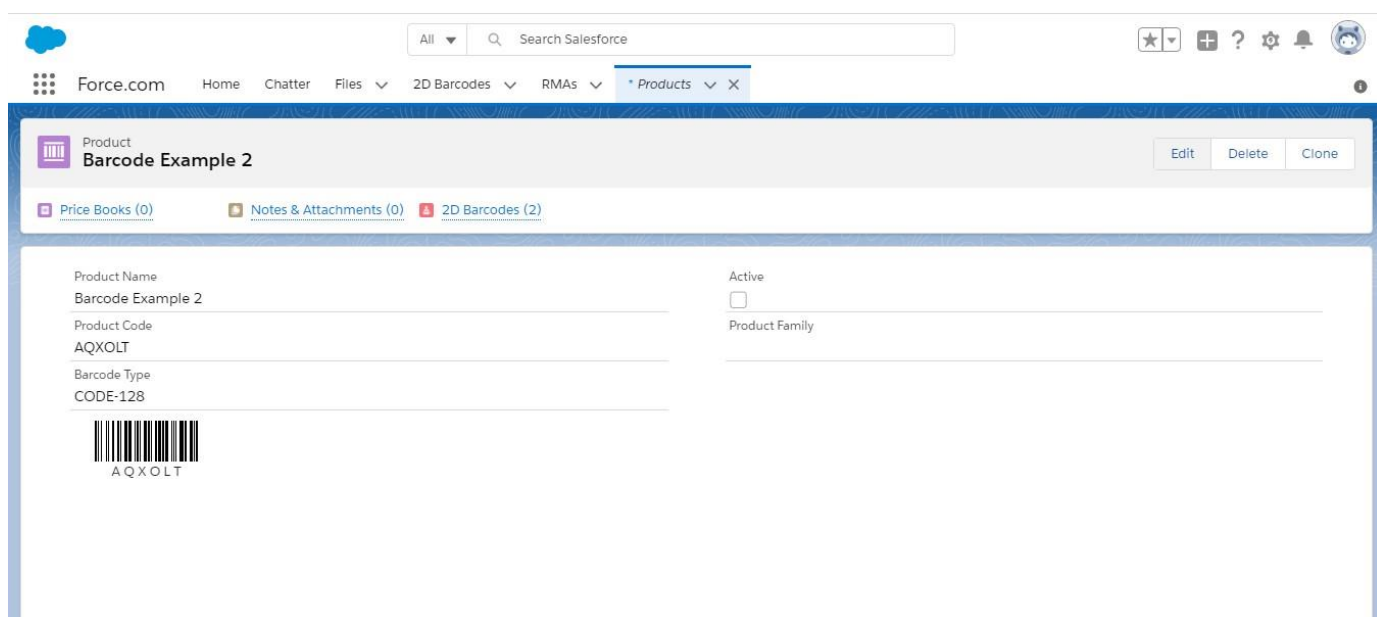
Product Code: AQXOLT

Barcode Type: CODE-128

Active: ☐

Product Family: --None--

Buttons: Cancel, Save & New, Save



Product: Barcode Example 2

Price Books (0) | Notes & Attachments (0) | 2D Barcodes (2)

Product Name: Barcode Example 2

Product Code: AQXOLT

Barcode Type: CODE-128

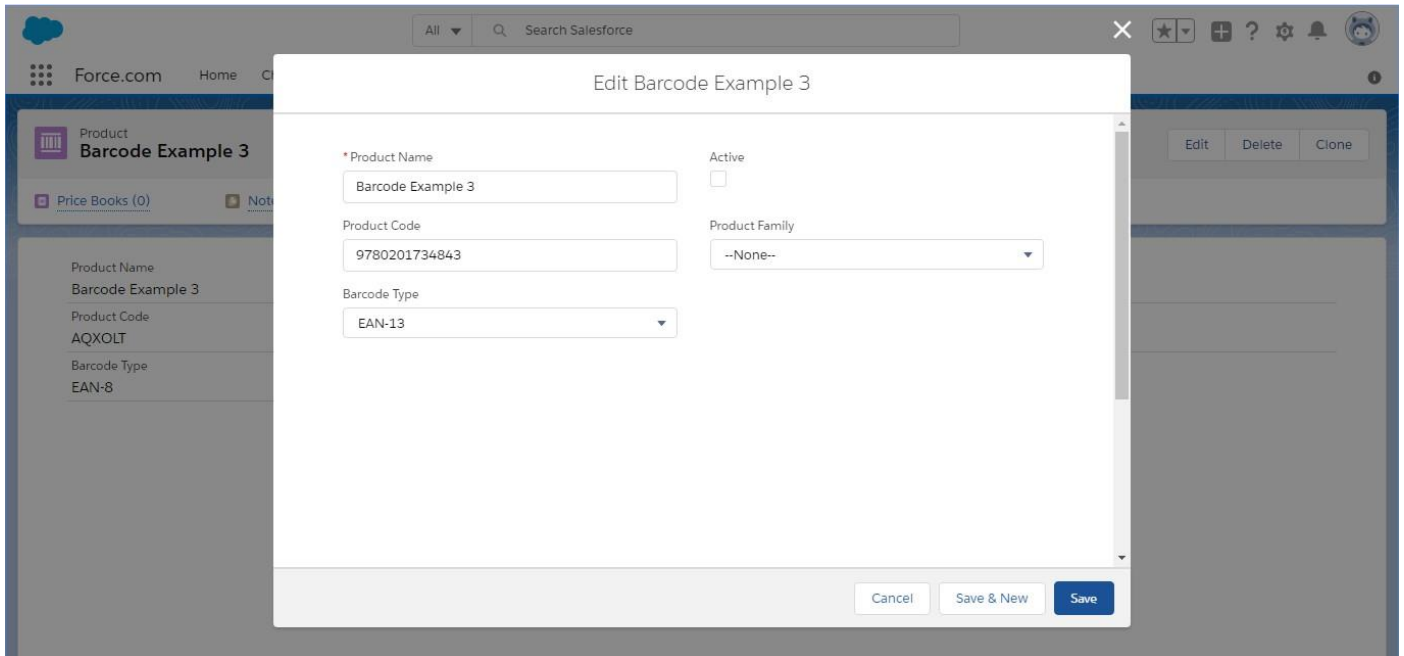
Active: ☐

Product Family:

Barcode Image:  AQXOLT

Example 7:

Barcode Value is “**9780201734843**” and
Barcode Type is “**ean13**”.



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Edit Barcode Example 3

* Product Name
Barcode Example 3

Product Code
9780201734843

Barcode Type
EAN-13

Active
☐

Product Family
--None--

Cancel Save & New Save

Product
Barcode Example 3

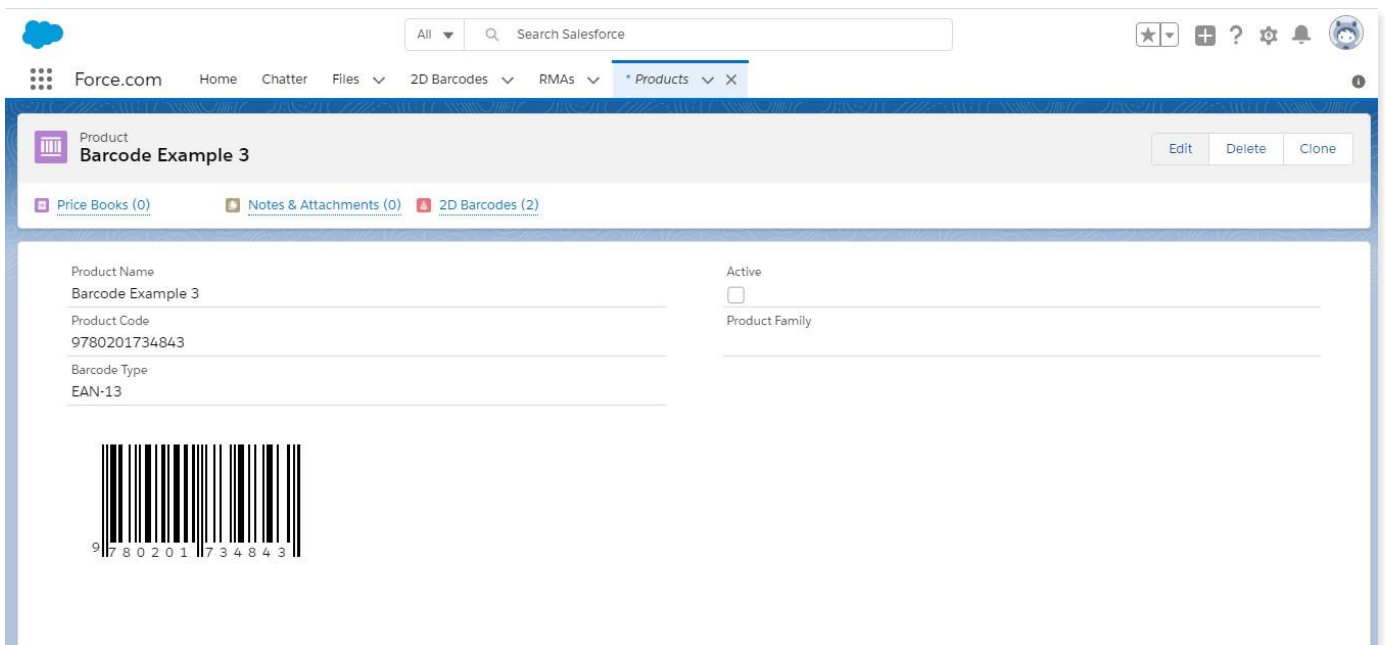
Price Books (0)

Product Name
Barcode Example 3

Product Code
AQXOLT

Barcode Type
EAN-8

Edit Delete Clone



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Product
Barcode Example 3

Price Books (0) Notes & Attachments (0) 2D Barcodes (2)

Product Name
Barcode Example 3

Product Code
9780201734843

Barcode Type
EAN-13

Active
☐

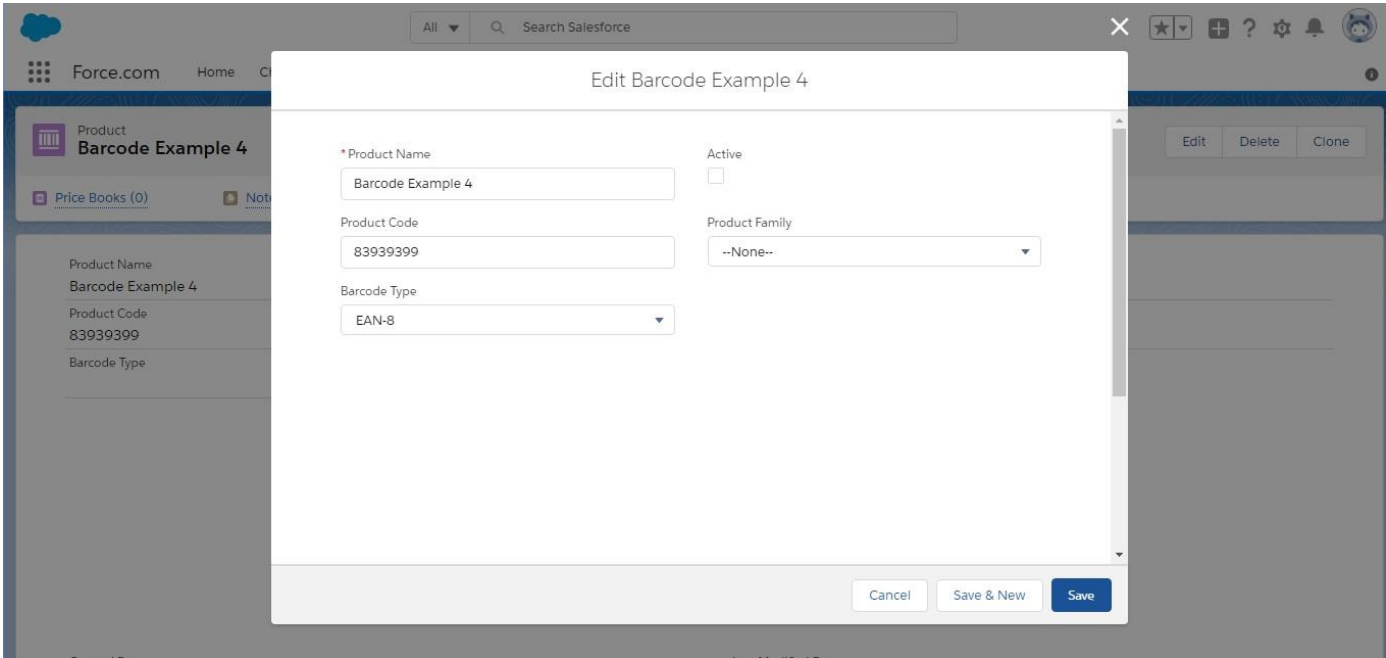
Product Family

9780201734843

Edit Delete Clone

Example 8:

Barcode Value is “83939399” and
Barcode Type is “ean8”.



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Edit Barcode Example 4

*Product Name
Barcode Example 4

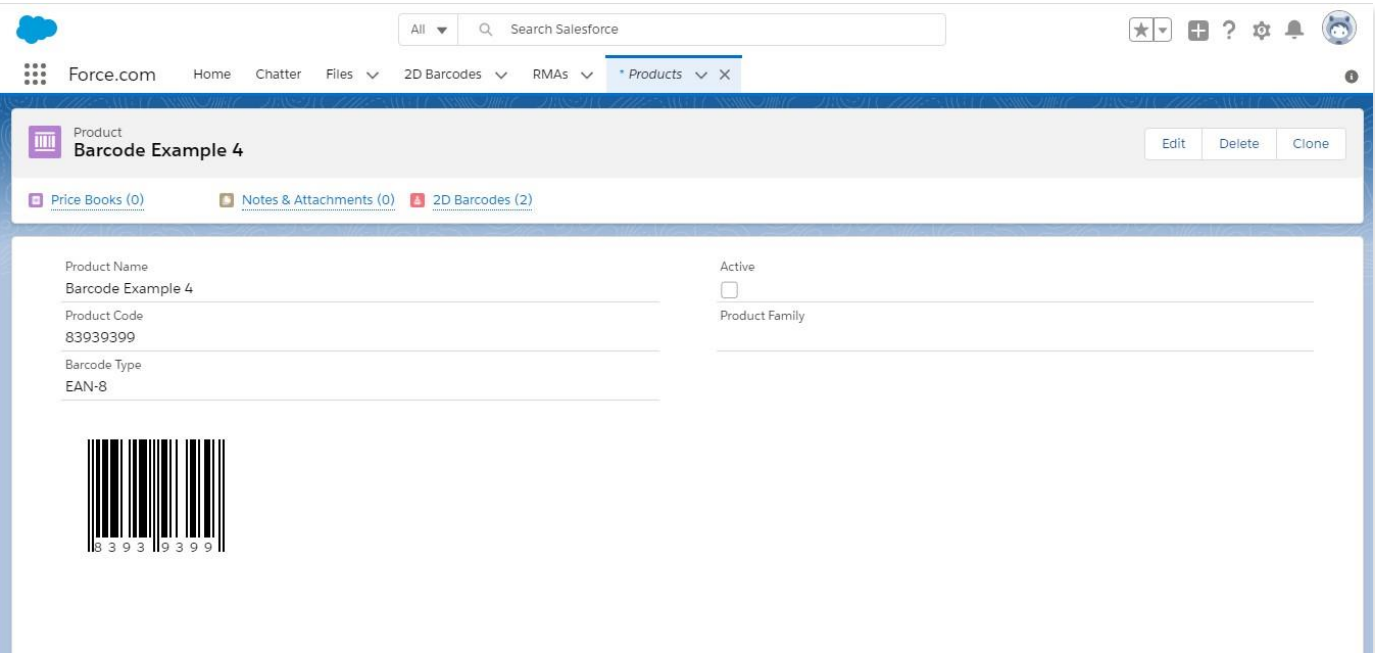
Product Code
83939399

Barcode Type
EAN-8

Active
☐

Product Family
--None--

Cancel Save & New Save



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Product Barcode Example 4

Price Books (0) Notes & Attachments (0) 2D Barcodes (2)

Product Name
Barcode Example 4

Product Code
83939399

Barcode Type
EAN-8

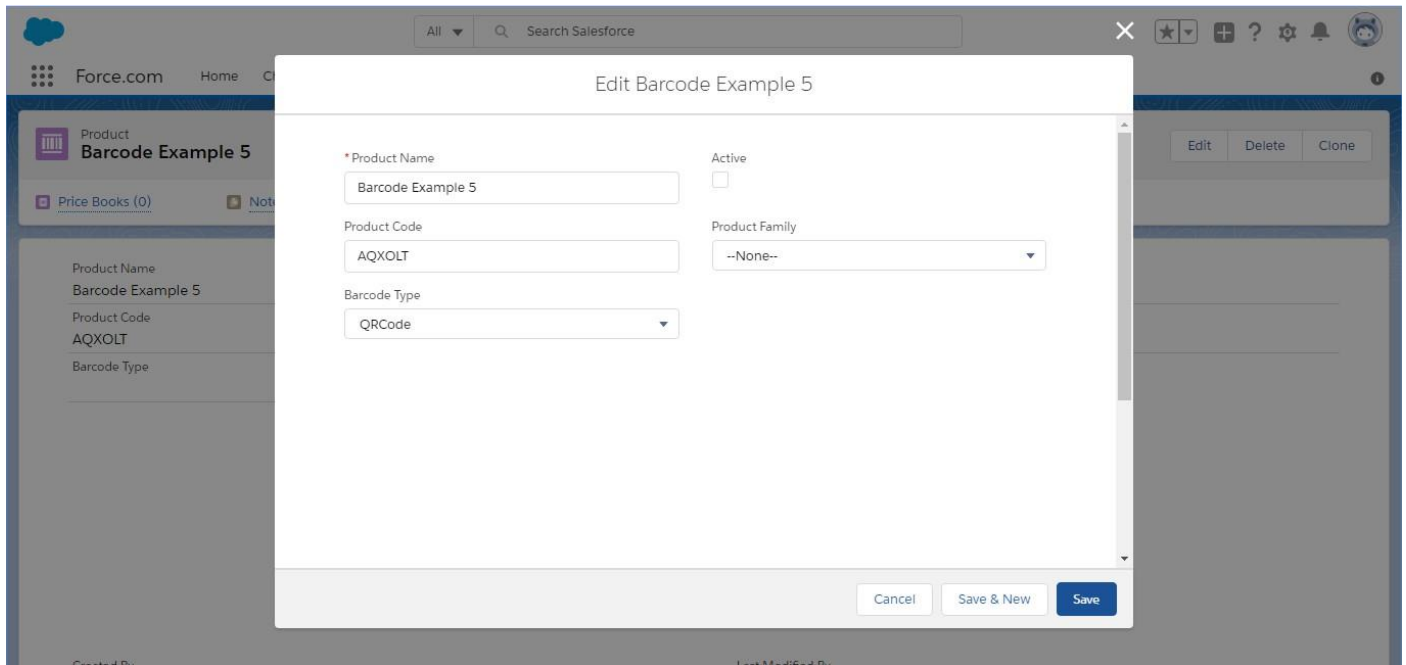
Active
☐

Product Family

Barcode Value: 83939399

Example 9:

Barcode Value is “AQXOLT” and
Barcode Type is “qr code”.



Edit Barcode Example 5

* Product Name: Barcode Example 5

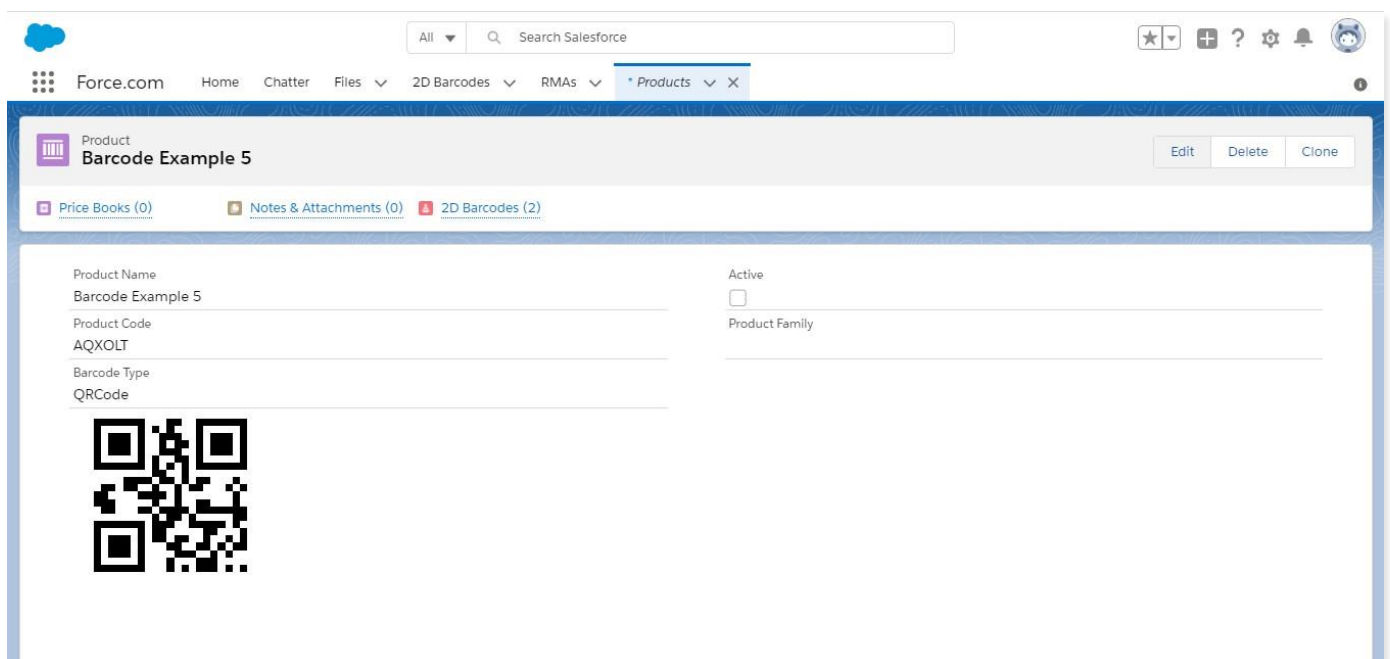
Product Code: AQXOLT

Barcode Type: QRCode

Active: ☐

Product Family: --None--

Buttons: Cancel, Save & New, Save



Product Barcode Example 5

Price Books (0) | Notes & Attachments (0) | 2D Barcodes (2)

Product Name: Barcode Example 5

Product Code: AQXOLT

Barcode Type: QRCode

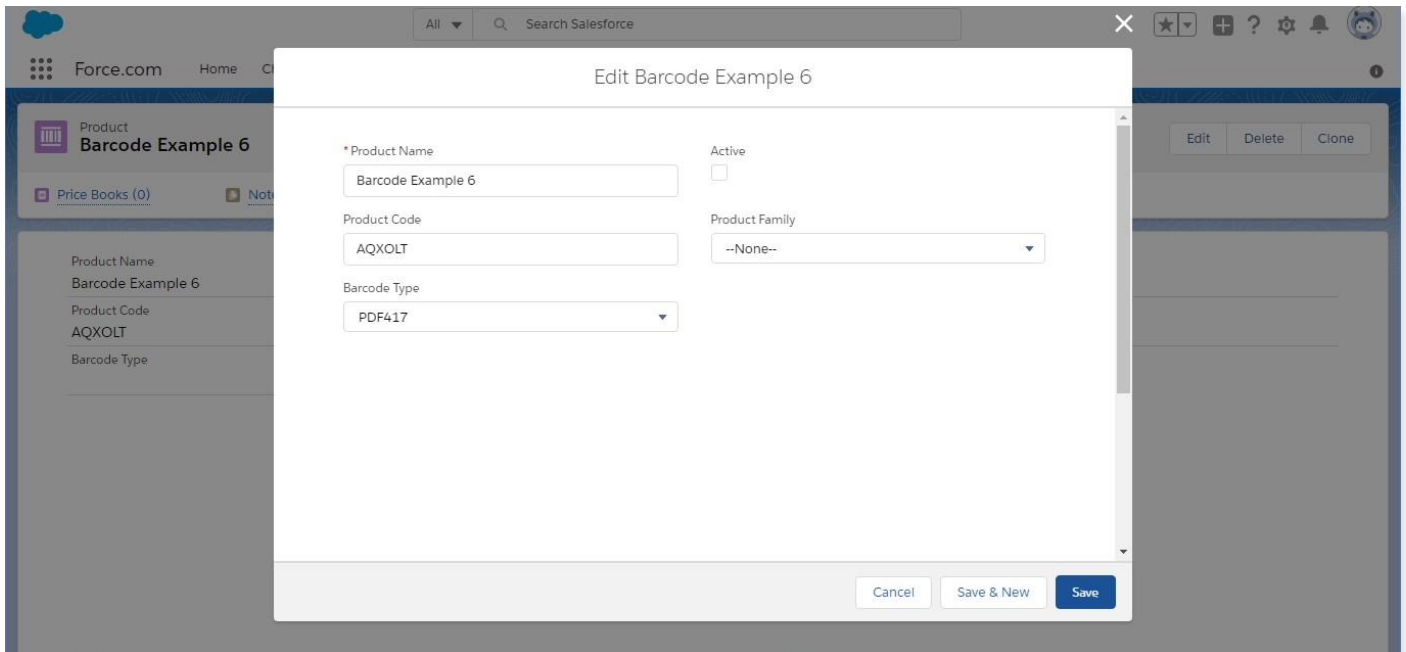
Active: ☐

Product Family:

QR Code Image

Example 10:

Barcode Value is “**83939399**” and
Barcode Type is “**pdf417**”.



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Edit Barcode Example 6

* Product Name
Barcode Example 6

Product Code
AQXOLT

Barcode Type
PDF417

Active
☐

Product Family
--None--

Cancel Save & New Save

Product
Barcode Example 6

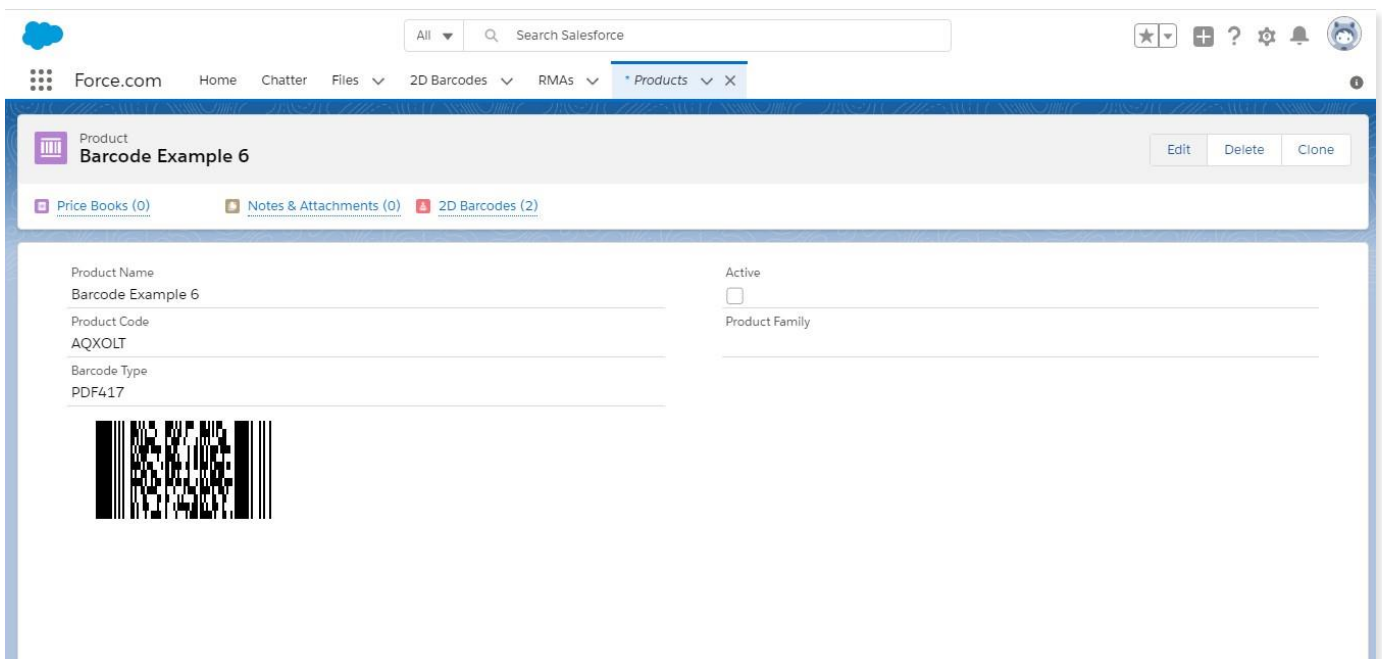
Price Books (0)

Product Name
Barcode Example 6

Product Code
AQXOLT

Barcode Type

Edit Delete Clone



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Product
Barcode Example 6

Edit Delete Clone

Price Books (0) Notes & Attachments (0) 2D Barcodes (2)

Product Name
Barcode Example 6

Product Code
AQXOLT

Barcode Type
PDF417

Active
☐

Product Family

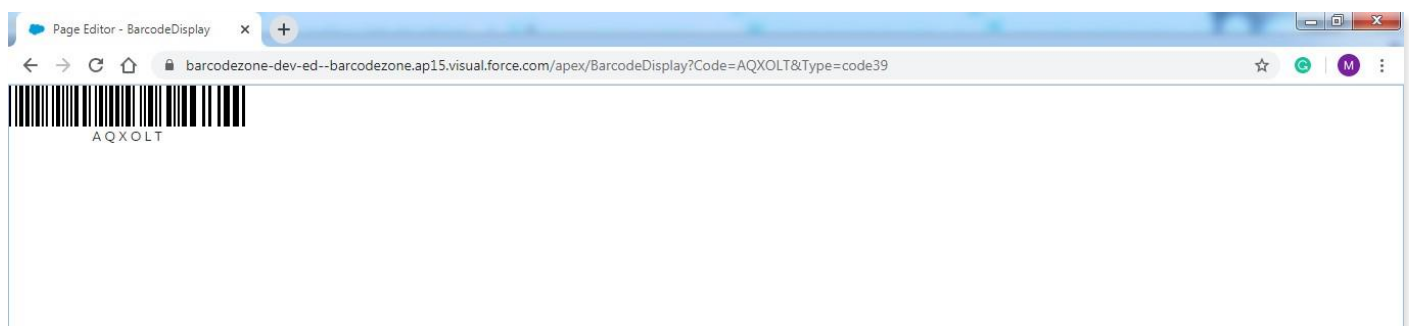
Barcode Value: 83939399

METHOD 2:

You can also display barcode directly from URL. For any product, need to pass 'barcode' in 'Code' variable and 'barcode type' in 'Type' variable from URL. Visualforce page will directly fetch value from URL and display barcode.

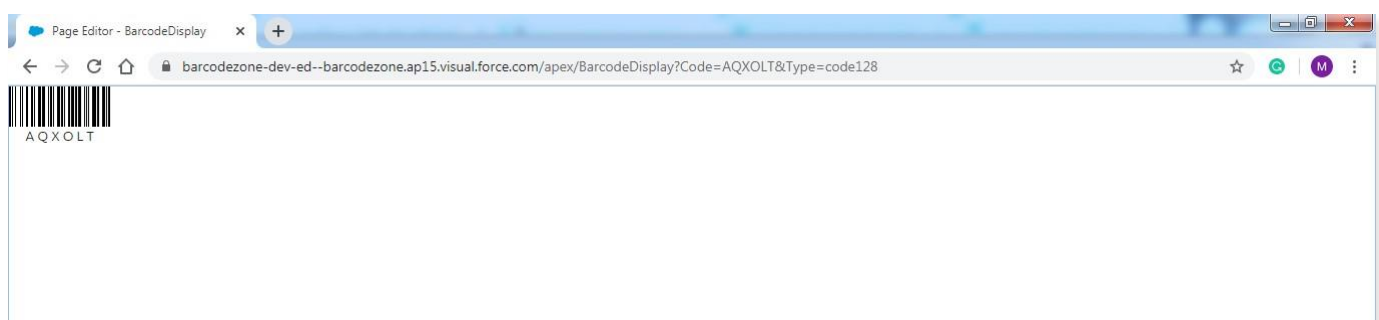
Example 1:

Barcode Code is “**AQXOLT**” and
Barcode Type is “**code39**”.



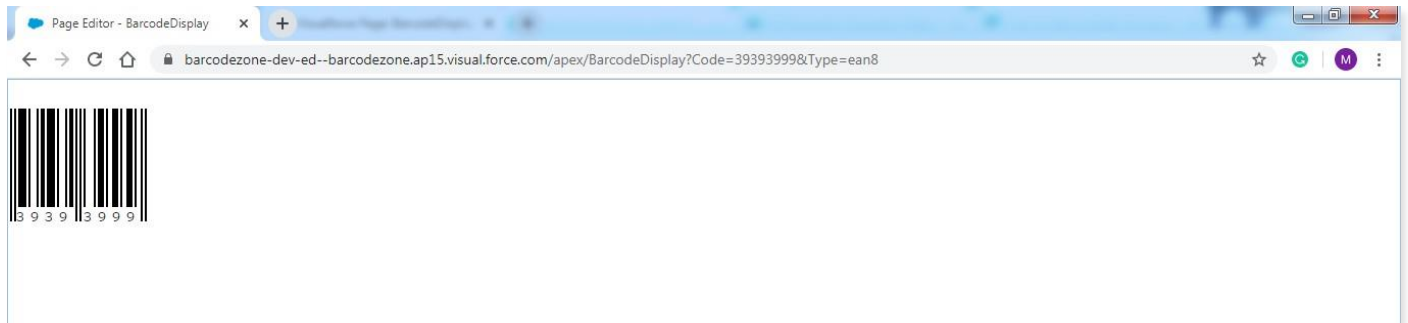
Example 2:

Barcode Code is “**AQXOLT**” and
Barcode Type is “**code128**”.



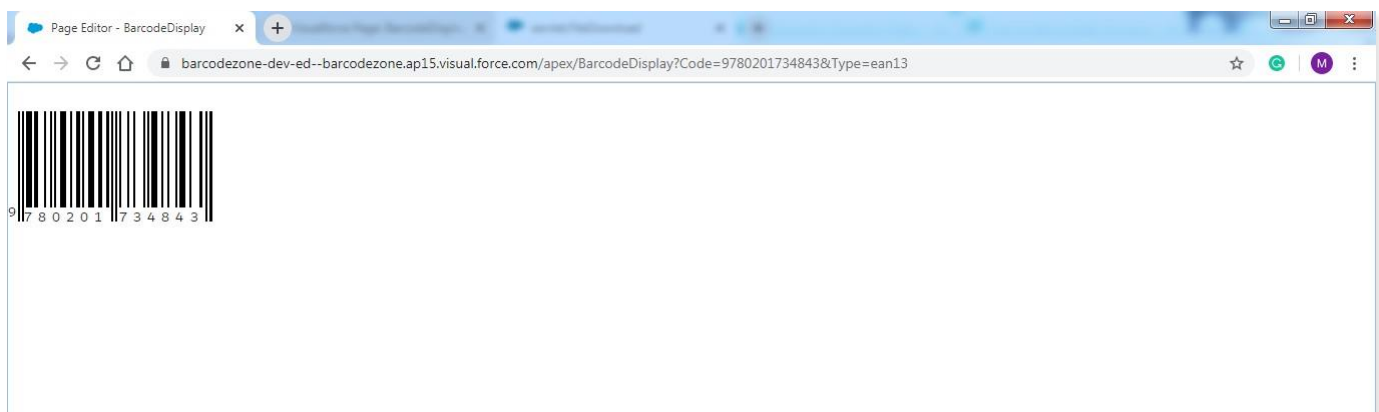
Example 3:

Barcode Code is “**39393999**” and
Barcode Type is “**ean8**”.



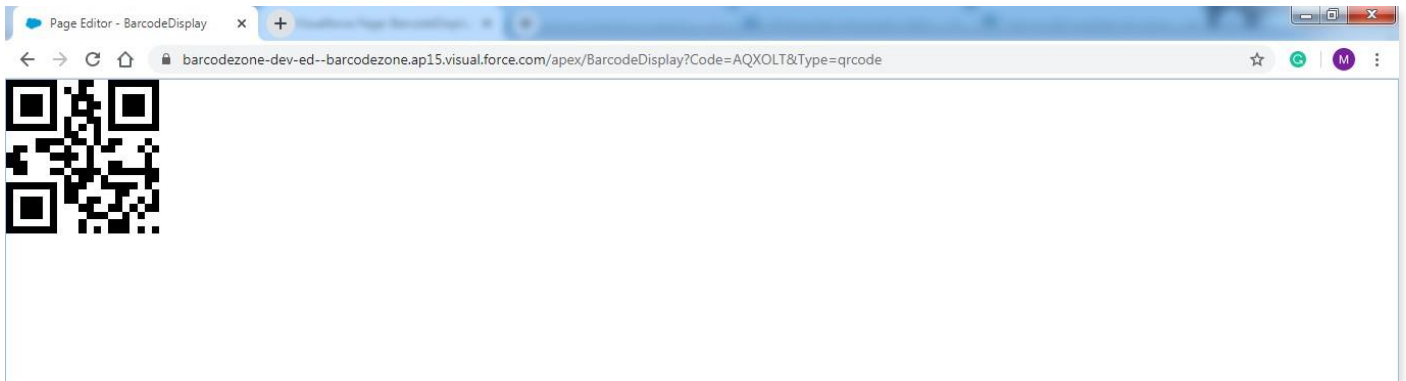
Example 4:

Barcode Code is “**9780201734843**” and
Barcode Type is “**ean13**”.



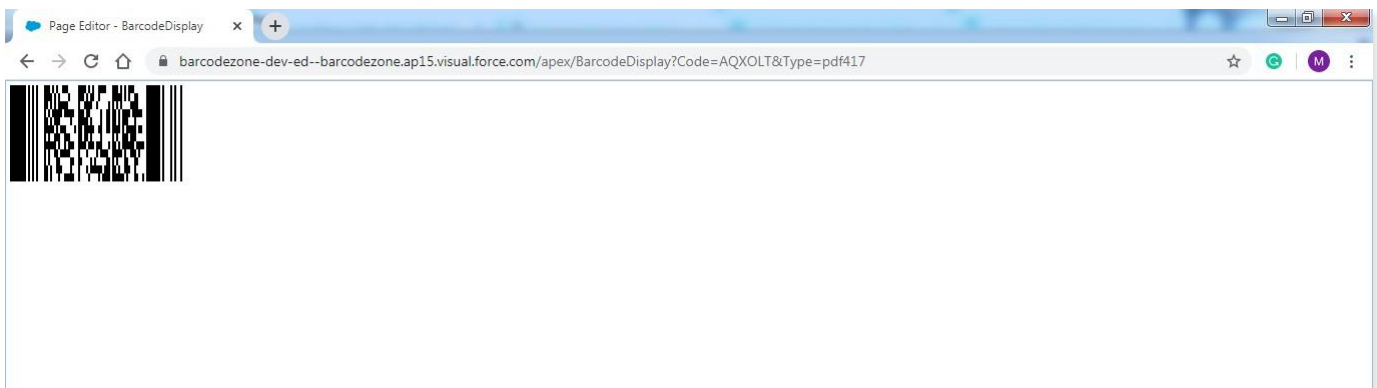
Example 5:

Barcode Code is “**AQXOLT**” and
Barcode Type is “**qrcode**”.



Example 6:

Barcode Code is “**AQXOLT**” and
Barcode Type is “**pdf417**”.

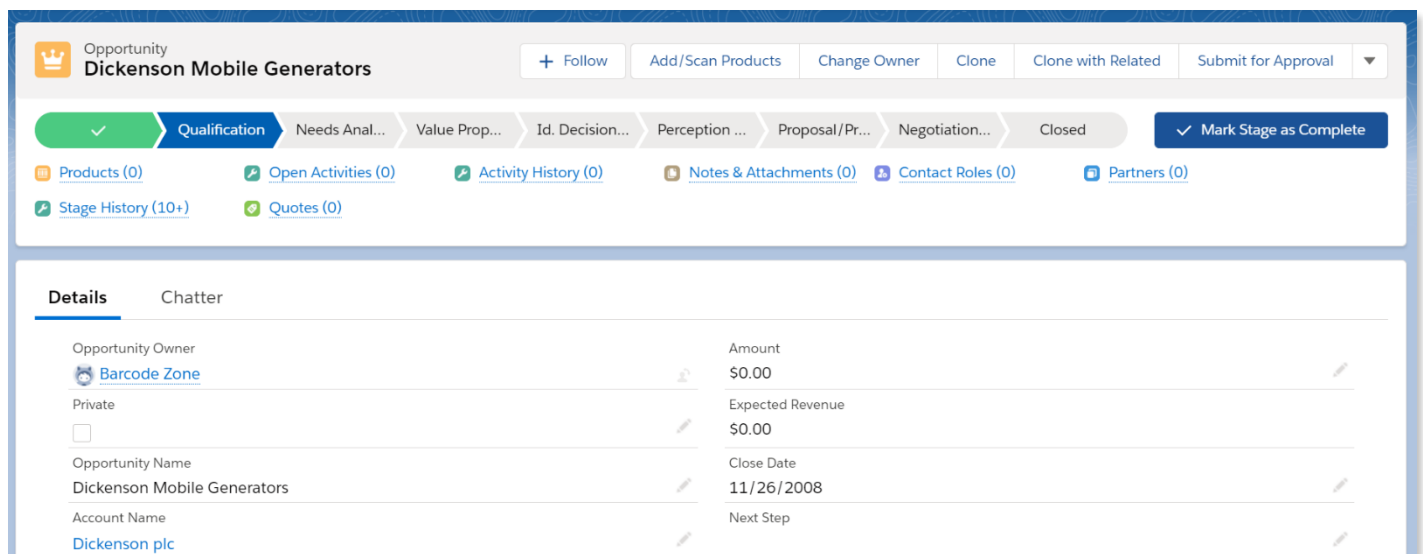


ADD/ SCAN PRODUCTS ON OPPORTUNITY

In Barcode Zone on opportunity, we can manually add the products or you can use barcode scanner to add the products to the opportunity line items.

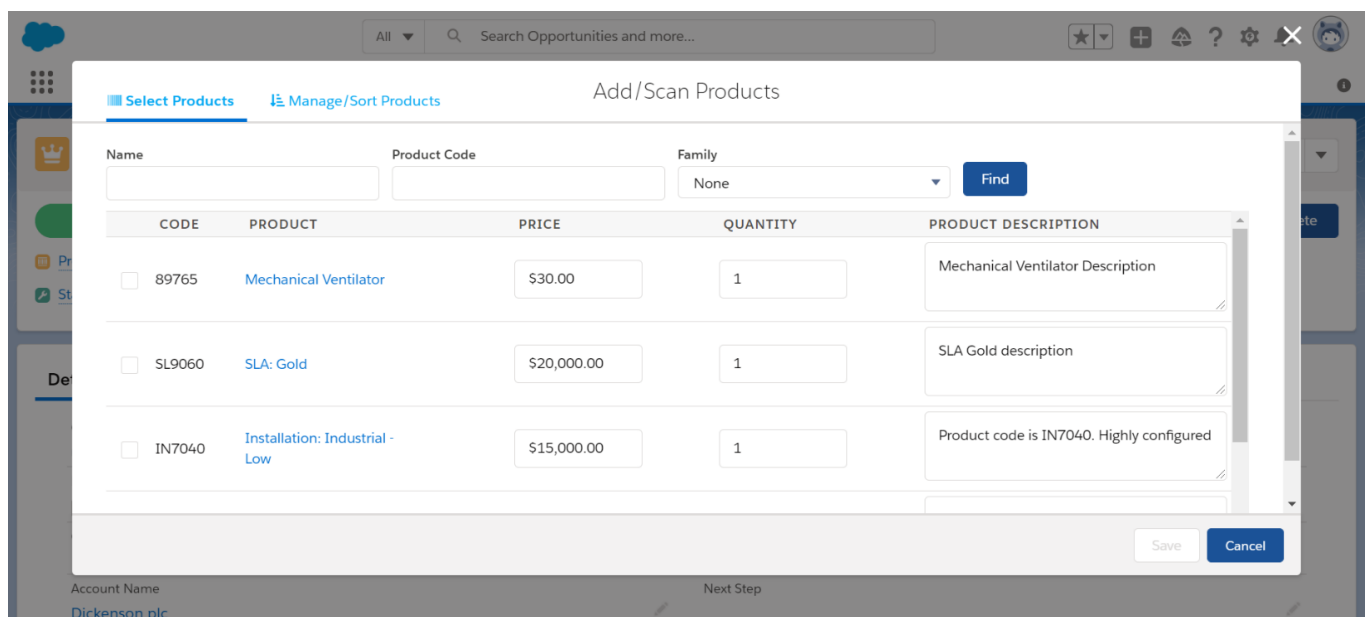
Get started

In the detail page of opportunity, we have a button “Add/Scan Products”



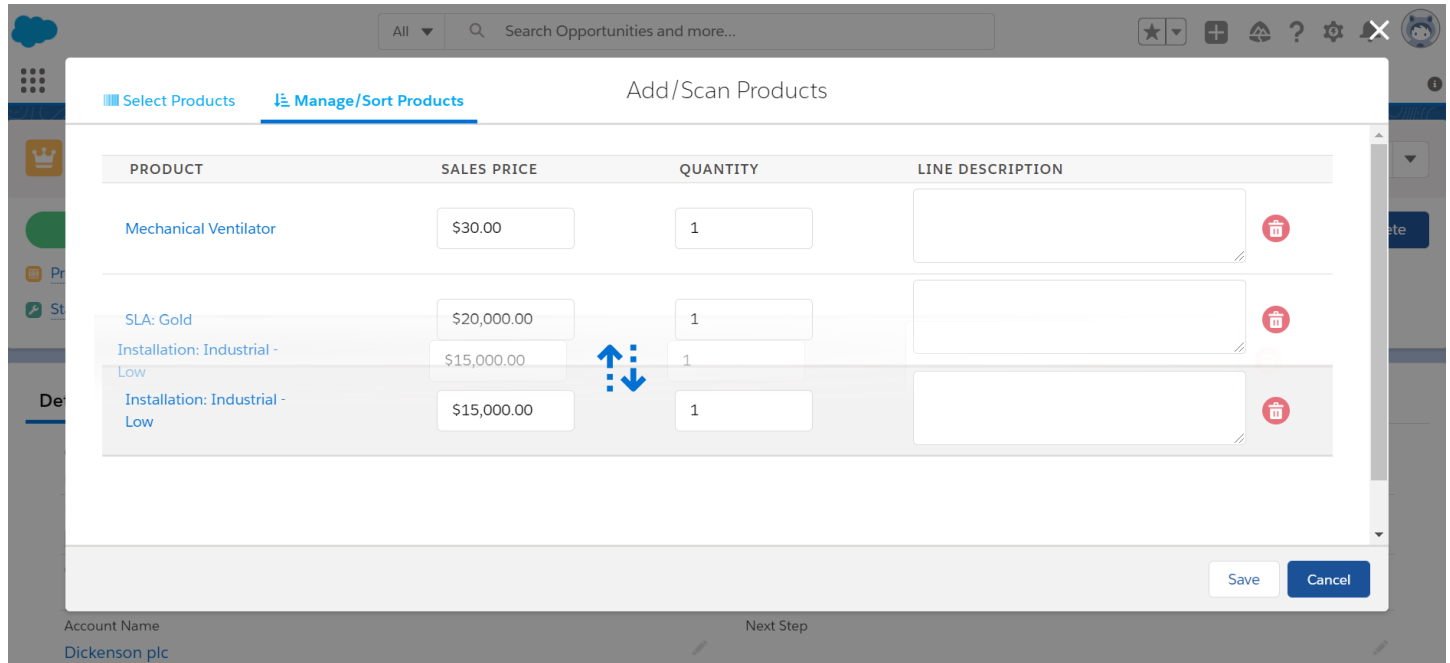
The screenshot shows the 'Opportunity' detail page for 'Dickenson Mobile Generators'. At the top, there are buttons: '+ Follow', 'Add/Scan Products', 'Change Owner', 'Clone', 'Clone with Related', and 'Submit for Approval'. Below these are tabs for 'Qualification', 'Needs Anal...', 'Value Prop...', 'Id. Decision...', 'Perception ...', 'Proposal/Pr...', 'Negotiation...', and 'Closed'. A 'Mark Stage as Complete' button is also present. Under the 'Qualification' tab, there are links for 'Products (0)', 'Open Activities (0)', 'Activity History (0)', 'Notes & Attachments (0)', 'Contact Roles (0)', 'Partners (0)', 'Stage History (10+)', and 'Quotes (0)'. The 'Details' tab is selected, showing fields for 'Opportunity Owner' (Barcode Zone), 'Private' (checkbox), 'Opportunity Name' (Dickenson Mobile Generators), 'Account Name' (Dickenson plc), 'Amount' (\$0.00), 'Expected Revenue' (\$0.00), 'Close Date' (11/26/2008), and 'Next Step'.

Manage your products by searching either by name, product code or product family also you can scan products using barcode scanner



The screenshot shows the 'Add/Scan Products' modal window. It has a search bar at the top with 'All' and 'Search Opportunities and more...'. Below the search bar are tabs for 'Select Products' and 'Manage/Sort Products'. The 'Select Products' tab is active, showing a table with columns: 'CODE', 'PRODUCT', 'PRICE', 'QUANTITY', and 'PRODUCT DESCRIPTION'. The table contains three rows: '89765 Mechanical Ventilator' with price \$30.00, 'SL9060 SLA: Gold' with price \$20,000.00, and 'IN7040 Installation: Industrial - Low' with price \$15,000.00. Each row has a checkbox and a 'Find' button. At the bottom right, there are 'Save' and 'Cancel' buttons.

Manage / Sort Products with ease and also can update unit price, quantity and description.



PRODUCT	SALES PRICE	QUANTITY	LINE DESCRIPTION
Mechanical Ventilator	\$30.00	1	
SLA: Gold	\$20,000.00	1	
Installation: Industrial - Low	\$15,000.00	1	
Installation: Industrial - Low	\$15,000.00	1	

Now we can also generate Barcode for the following Objects:

- Lead
- Account
- Contact
- Opportunity
- Opportunity Product (OpportunityLineItem)
- Case

New fields 'code', 'Barcode Type' and 'BarcodeDisplay' visualforce page are added with these objects

LEAD

barcodezone-dev-ed.lightning.force.com/lightning/r/Lead/00Q90000003D502EAK/view

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Lead Ms Kristen Akin

+ Follow Convert Edit Delete Change Owner Clone

Lead Owner	Barcode Zone	Phone	(434) 369-3100
Name	Ms Kristen Akin	Mobile	
Company	Aethna Home Products	Fax	
Title	Director, Warehouse Mgmt	Email	kakin@athenahome.com
Lead Source	Partner Referral	Website	
Code	Aethna	Lead Status	Working - Contacted
Barcode Type	QRCode	Rating	
		No. of Employees	



ACCOUNT

barcodezone-dev-ed.lightning.force.com/lightning/r/Account/00190000005oAi7AAE/view

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Account United Oil & Gas Corp.

+ Follow Edit Change Owner Delete View Account Hierarchy Enable As Partner

Details Chatter

Account Owner	Barcode Zone	Rating	Hot
Account Name	United Oil & Gas Corp.	Phone	(212) 842-5500
Parent Account		Fax	(212) 842-5501
Account Number	CD355118	Website	http://www.uos.com
Code	oilCorp	Ticker Symbol	UOS
Barcode Type	QRCode	Ownership	Public
		Employees	145,000



CONTACT



All

Search Contacts and more...



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Products

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Contact

 **Mr. Arthur Song**

+ Follow

Edit

Delete

View Contact Hierarchy

Clone

Change Owner

Details

Chatter

Contact Owner

 [Barcode Zone](#)

Name

Mr. Arthur Song

Account Name

[United Oil & Gas Corp.](#)

Code

Song

Barcode Type

qrcode



Title

Phone

(212) 842-5500

Home Phone

Mobile

(212) 842-4535

Other Phone

Fax

(212) 842-5501

Email

asong@uog.com

Assistant

OPPORTUNITY



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* Products ▾ X

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* United Oil Emergency Gener... X

* More ▾



Opportunity

United Oil Emergency Generator

+ Follow

Edit

Delete

Clone

Change Owner

Printable View

Details

Chatter

Opportunity Owner



Standard User

Private

☐

Opportunity Name

United Oil Emergency Generator

Account Name

United Oil & Gas Corp.

Code

Upgrade

Barcode Type

QRCode



Amount

\$50,000.00

Expected Revenue

\$50,000.00

Close Date

1/20/2020

Next Step

Stage

Closed Won

Probability (%)

100%

Primary Campaign Source

OPPORTUNITY PRODUCT (OPPORTUNITYLINEITEM)



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* Recently Viewed | Accou... ▾ X

* United Oil Emergency Gener... X

* More ▾



Opportunity Product

GenWatt Diesel 10kW

Edit

Delete

Related

Details

Opportunity

United Oil Emergency Generator

Product

GenWatt Diesel 10kW

Product Code

GC1020

Sales Price

\$5,000.00

Code

GenWatt

Barcode Type

QRCode



Date

List Price

\$5,000.00

Quantity

10.00

Total Price

\$50,000.00

CASE



All








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Case

Generator GC3060 platform structure is weakening

+ Follow

Edit

Delete

Change Owner

Clone

View Case Hierarchy

Case Owner

 [Barcode Zone](#)

Case Number

00001021

Contact Name

[Stella Pavlova](#)

Account Name

[United Oil & Gas Corp.](#)

Type

Structural

Code

00001021

Barcode Type

QRCode



Status

Closed

Priority

High

Contact Phone

(212) 842-5500

Contact Email

spavlova@uog.com

Case Origin

Phone