**SanMar Web Service PHP Quick Start Guide**

**By Gibran Waldron**

**Overview**: The SanMar Web Service API is a SOAP-based API that allows systems to receive SanMar related information electronically.  The SanMar Product Information Web Service provides real-time access to SanMar's product data, including pricing, descriptions, and images.  This quick start guide will walk you through the steps to create a simple PHP application to display the product information XML response for a SanMar style/color/size combination in a browser.

**Prerequisites**:

**Obtain SanMar Web Services Access**
You will need to obtain access to SanMar's Web Service before you can use it.
Contact sanmarintegrations@Sanmar.com to request access. The SanMar integration team will send you an e-sign agreement to fill out. Upon completion, it will take the integration team 24-48 hours to set up your integration account.

**SanMar Product Information WSDL**
You will be using the **getProductInfoByStyleColorSize** method from the following WSDL:
*https://ws.sanmar.com:8080/SanMarWebService/SanMarProductInfoServicePort?wsdl*
The **getProductInfoByStyleColorSize** method will allow you to retrieve product details back based on a style/color/size request.

**XAMPP**
You will need to install the latest version of XAMPP. The XAMPP download will come bundled with the newest versions of PHP and Apache Server.

**Your Favorite IDE**
Visual Studio Code has been used for the code example. However, you can use any IDE.
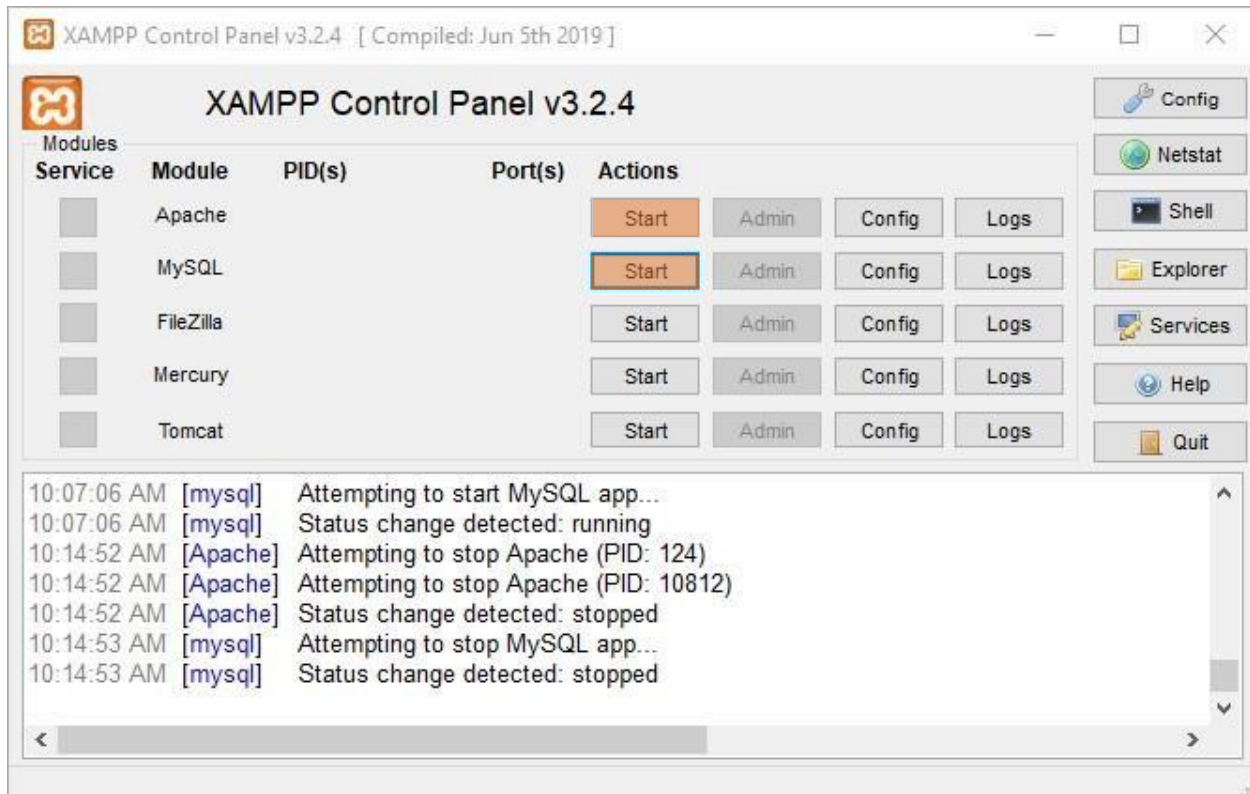
**Step 1:** Before jumping into the code, review the XML request and response for the **getProductInfoByStyleColorSize** method using style: pc61, color: natural, and size: small (s).  The XML request below takes six parameters. You will enter the product parameters between the <arg0> tags: **color**, **size**, and **style**. Between the <arg1> tags, you will enter your credentials: **sanMarCustomerNumber** (your SanMar customer number), **sanMarUserName** (your SanMar.com username), and the **sanMarUserPassword** (your SanMar.com password).

```xml
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:impl="http://impl.webservice.integration.sanmar.com/">
  <soapenv:Header/>
  <soapenv:Body>
    <impl:getProductInfoByStyleColorSize>
      <!--Zero or more repetitions:-->
      <arg0>
        <!--Optional:-->
        <color>natural</color>
        <!--Optional:-->
        <size>s</size>
        <!--Optional:-->
        <style>pc61</style>
      </arg0>
      <!--Optional:-->
      <arg1>
        <!--Optional:-->
        <sanMarCustomerNumber>12345</sanMarCustomerNumber>
        <!--Optional:-->
        <sanMarUserName>yourUsername</sanMarUserName>
        <!--Optional:-->
        <sanMarUserPassword>yourPassword</sanMarUserPassword>
        <!--Optional:-->
        <senderId>?</senderId>
        <!--Optional:-->
        <senderPassword>?</senderPassword>
      </arg1>
    </impl:getProductInfoByStyleColorSize>
  </soapenv:Body>
</soapenv:Envelope>
```

The XML response received back is below:

```xml
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:getProductInfoByStyleColorSizeResponse xmlns:ns2="http://impl.webservice.integration.sanmar.com/">
      <return>
        <errorOccured>false</errorOccured>
        <listResponse>
          <productBasicInfo>
            <availableSizes>Adult Sizes: S-6XL</availableSizes>
            <brandName>Port &amp; Company</brandName>
            <caseSize>72</caseSize>
            <catalogColor>Natural</catalogColor>
            <color>Natural</color>
            <inventoryKey>11807</inventoryKey>
            <keywords>embroidery, embroider, embroidering, screen printing, screenprinting,
            screen-printing, screen print, screenprint, screen-print, heat transfer, heat transfering, heat-transfering,
            heat seal, heat sealing, heat-sealing, heat-transfer, heat-seal, heattransfer, heatseal, pad print, pad printing,
            pad-printing, pad-print, padprint, padprinting, male, males,Short sleeve,
            short sleeves, short sleeved, shortsleeve, shortsleeves, shortsleeved, short-sleeve, short-sleeves, short-sleeved,
            t shirt, t-shirt, tshirt, t shirts, t-shirts, tshirts, tee shirt, teeshirt, tee-shirt, heavyweight,
            heavy weight heavy-weight, preshrunk, pre-shrunk,
            pre shrunk, best seller, soft, comfortable, cotton, 100% cotton, xs, s, m, l, xl, 2xl, 3xl, 4xl, 5xl, 6xl, xxl,
            xxxl, xxxxl, xxxxxl, xxxxxxl,men, men's, mens,</keywords>
            <pieceWeight>0.38</pieceWeight>
            <productDescription>A year-round essential, our best-selling t-shirt has been voted "most popular" by groups, teams, clubs and schools across America.
            6.1-ounce, 100% soft spun cotton      98/2 cotton/poly (Ash)      90/10 cotton/poly (Athletic Heather)
            50/50 cotton/poly (Dark Heather Grey)</productDescription>
            <productStatus>Active</productStatus>
            <productTitle>Port &amp; Company - Essential Tee. PC61</productTitle>
            <size>S</size>
            <sizeIndex>2</sizeIndex>
            <style>PC61</style>
            <uniqueKey>118072</uniqueKey>
            <category>T-Shirts</category>
          </productBasicInfo>
          <productImageInfo>
            <brandLogoImage>https://cdn1.sanmar.com/catalog/images/portandcompanyheader.jpg</brandLogoImage>
            <colorProductImage>https://cdn1.sanmar.com/catalog/images/imglib/catl/2016/f17/PC61_natural_model_front_102016.jpg</colorProductImage>
            <colorProductImageThumbnail>https://cdn1.sanmar.com/cache/altview/imglib/catl/2016/f17/PC61_natural_model_front_102016.jpg</colorProductImageThumbnail>
            <colorSquareImage>https://cdn1.sanmar.com/swatch/gifs/port_natural.gif</colorSquareImage>
            <colorSwatchImage>https://cdn1.sanmar.com/catalog/images/PC61sw.jpg</colorSwatchImage>
            <productImage>https://cdn1.sanmar.com/catalog/images/PC61.jpg</productImage>
            <specSheet>https://www.apparelvideos.com/images/specsheet/pdf/specsheet/PC61_specsheet.pdf</specSheet>
            <thumbnailImage>https://cdn1.sanmar.com/catalog/images/PC61TN.jpg</thumbnailImage>
            <titleImage/>
            <frontModel>https://cdn1.sanmar.com/imglib/mresjpg/2016/f17/PC61_natural_model_front_102016.jpg</frontModel>
            <backModel>https://cdn1.sanmar.com/imglib/mresjpg/2016/f17/PC61_natural_model_back_102016.jpg</backModel>
            <sideModel>https://cdn1.sanmar.com/imglib/mresjpg/2016/f17/PC61_natural_model_side_102016.jpg</sideModel>
            <backFlat>https://cdn1.sanmar.com/imglib/mresjpg/2010/f1/PC61_Natural_back_FS06.jpg</backFlat>
            <frontFlat>https://cdn1.sanmar.com/imglib/mresjpg/2010/f1/PC61_Natural_Flat_Front_2009.jpg</frontFlat>
            <threeQModel>https://cdn1.sanmar.com/imglib/mresjpg/2016/f17/PC61_natural_model_3q_102016.jpg</threeQModel>
          </productImageInfo>
          <productPriceInfo>
            <casePrice>2.05</casePrice>
            <caseSalePrice>1.56</caseSalePrice>
            <dozenPrice>3.05</dozenPrice>
            <dozenSalePrice>1.56</dozenSalePrice>
            <piecePrice>3.05</piecePrice>
            <pieceSalePrice>1.56</pieceSalePrice>
            <priceCode>A/P</priceCode>
            <priceText>Price applies to sizes S-XL</priceText>
            <saleEndDate>2021-01-30</saleEndDate>
            <saleStartDate>2021-01-25</saleStartDate>
          </productPriceInfo>
        </listResponse>
        <message>Product Info sent successfully.</message>
      </return>
    </ns2:getProductInfoByStyleColorSizeResponse>
  </S:Body>
</S:Envelope>
```

**Step 2**: Open XAMPP Control Panel and click **Start** for the Apache and MySQL Modules.



**Step 3**: Navigate to the folder where XAMPP was installed and click on the htdocs folder. Right-click inside the folder and select **New ❼ Text Document.** Name the file 'productExample.php.' Open the 'productExample.php' file in Visual Studio Code or your preferred IDE.

**Step 4:** Copy and paste the code sample below to the productExample.php file and save. Be sure to add your SanMar credentials in the **$webServiceUser** array:

```php
<?php
try{

$localhostWsdlUrl="https://ws.sanmar.com:8080/SanMarWebService/SanMarProductInfoServicePort?WSDL";

  $client= new SoapClient($localhostWsdlUrl, array('trace'=>true,
'exceptions'=>true
   ));

//web service product query

$productInfoByStyleColorSize=array(
'style' => 'pc61',
 'color' => 'natural',
 'size' => 's'
  );

//web service credentials
$webServiceUser =array(
'sanMarCustomerNumber' => 'sanmarCustomerNumber',
 'sanMarUserName' => 'sanmar.comUsername',
 'sanMarUserPassword' => 'sanmar.comPassword'
  );


$getProductInfoByStyleColorSize= array('arg0' =>$productInfoByStyleColorSize,'arg1' =>$webServiceUser );


//calling the getProductInfoByStyleColorSize method. $result=$client-
>__soapCall('getProductInfoByStyleColorSize',array('getProductInfoByStyleColorSize' => $getProductInfoBySt
yleColorSize) );

} catch(SoapFault $e){

}
   print "Response:\n".htmlspecialchars($client->__getLastResponse())."\n";
print "</pre>";
?>
```

In the code, PHP's built-in **SoapClient** method is used to access the SanMar Product Information WSDL. For the request, you use the **soapCall** method which submits your web service credentials, and the query for the PC61/Natural/Small to the **getProductInfoByStyleColorSize** method. The XML response is printed out by using the **__getLastResponse** method.

**Step 5:** Run the code in your browser by using **http://localhost:8080/productExample.php**. You should see a similar response below. The response will retrieve all product data related to the query.

Response: <?xml version="1.0" ?><S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"><S:Body><ns2:getProductInfoByStyleColorSizeResponse xmlns:ns2="http://impl.webservice.integration.sanmar.com/"><return><errorOccured>false</errorOccured><listResponse><productBasicInfo> <availableSizes>Adult Sizes: S-6XL</availableSizes><brandName>Port &amp; Company</brandName><caseSize>72</caseSize> <catalogColor>Natural</catalogColor><color>Natural</color><inventoryKey>11807</inventoryKey><keywords>embroidery, embroider, embroidering, screen printing, screenprinting, screen-printing, screen print, screenprint, screen-print, heat transfer, heat transfering, heat-transfering, heat seal, heat sealing, heat-sealing, heat-transfer, heat-seal, heattransfer, heatseal, pad print, pad printing, pad-printing, pad-print, padprint, padprinting, male, males,Short sleeve, short sleeves, short sleeved, shortsleeve, shortsleeves, shortsleeved, short-sleeve, short-sleeves, short-sleeved,t shirt, t-shirt, tshirt, t shirts, t-shirts, tshirts, tee shirt, teeshirt, tee-shirt, heavyweight, heavy weight heavy-weight, preshrunk, pre-shrunk, pre shrunk, best seller, soft, comfortable, cotton, 100% cotton, xs, s, m, l, xl, 2xl, 3xl, 4xl, 5xl, 6xl, xxl, xxxl, xxxxl, xxxxxl, xxxxxxl,men, men's, mens,</keywords><pieceWeight>0.38</pieceWeight><productDescription>A year-round essential, our best-selling t-shirt has been voted &quot;most popular&quot; by groups, teams, clubs and schools across America. 6.1-ounce, 100% soft spun cotton 98/2 cotton/poly (Ash) 90/10 cotton/poly (Athletic Heather) 50/50 cotton/poly (Dark Heather Grey)</productDescription><productStatus>Active</productStatus><productTitle>Port &amp; Company - Essential Tee. PC61</productTitle><size>S</size><sizeIndex>2</sizeIndex><style>PC61</style><uniqueKey>118072</uniqueKey><category>T-Shirts </category></productBasicInfo><productImageInfo><brandLogoImage>https://cdnl.sanmar.com/catalog/images/portandcompanyheader.jpg</brandLogoImage> <colorProductImage>https://cdnl.sanmar.com/catalog/images/imglib/catl/2016/f17/PC61_natural_model_front_102016.jpg</colorProductImage> <colorProductImageThumbnail>https://cdnl.sanmar.com/cache/altview/imglib/catl/2016/f17/PC61_natural_model_front_102016.jpg</colorProductImageThumbnail> <colorSquareImage>https://cdnl.sanmar.com/swatch/gifs/port_natural.gif</colorSquareImage> <colorSwatchImage>https://cdnl.sanmar.com/catalog/images/PC61sw.jpg</colorSwatchImage> <productImage>https://cdnl.sanmar.com/catalog/images/PC61.jpg</productImage> <specSheet>https://www.apparelvideos.com/images/specsheet/pdf/specsheet/PC61_specsheet.pdf</specSheet> <thumbnailImage>https://cdnl.sanmar.com/catalog/images/PC61TN.jpg</thumbnailImage><titleImage></titleImage> <frontModel>https://cdnl.sanmar.com/imglib/mresjpg/2016/f17/PC61_natural_model_front_102016.jpg</frontModel> <backModel>https://cdnl.sanmar.com/imglib/mresjpg/2016/f17/PC61_natural_model_back_102016.jpg</backModel> <sideModel>https://cdnl.sanmar.com/imglib/mresjpg/2016/f17/PC61_natural_model_side_102016.jpg</sideModel> <backFlat>https://cdnl.sanmar.com/imglib/mresjpg/2010/f1/PC61_Natural_back_FS06.jpg</backFlat> <frontFlat>https://cdnl.sanmar.com/imglib/mresjpg/2010/f1/PC61_Natural_Flat_Front_2009.jpg</frontFlat> <threeQModel>https://cdnl.sanmar.com/imglib/mresjpg/2016/f17/PC61_natural_model_3q_102016.jpg</threeQModel></productImageInfo><productPriceInfo> <casePrice>2.05</casePrice><caseSalePrice>1.56</caseSalePrice><dozenPrice>3.05</dozenPrice><dozenSalePrice>1.56</dozenSalePrice> <piecePrice>3.05</piecePrice><pieceSalePrice>1.56</pieceSalePrice><priceCode>A/P</priceCode><priceText>Price applies to sizes S-XL</priceText> <saleEndDate>2021-02-13</saleEndDate><saleStartDate>2021-02-08</saleStartDate></productPriceInfo></listResponse><message>Product Info sent successfully. </message></return></ns2:getProductInfoByStyleColorSizeResponse></S:Body></S:Envelope>