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SoapUI

Supported by SMARTBEAR

WEB SERVICE TESTING DOCUMENTATION

Web Service Testing Documentation

Overview

This document outlines the steps taken to test the SOAP-based web service using SOAPUI. The web service provides functionalities for managing products, including adding, retrieving, updating, and deleting products.

Prerequisites

- SOAPUI installed .
- The web service server is running and accessible at <http://localhost:2024/webservices/ProductsManager>.

Test Cases

- **addProduct**

Request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Header/>
  <soapenv:Body>
    <web:addProduct>
      <product>
        <id>1</id>
        <!--Optional:-->
        <label>Printer</label>
        <price>250</price>
      </product>
    </web:addProduct>
  </soapenv:Body>
</soapenv:Envelope>
```

Response:

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:addProductResponse xmlns:ns2="http://schemas.xmlsoap.org/soap/envelope/">
      <productId>1</productId>
    </ns2:addProductResponse>
  </S:Body>
</S:Envelope>
```

- **getProduct**

Request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Header/>
  <soapenv:Body>
    <web:getProduct>
      <productId>1</productId>
    </web:getProduct>
  </soapenv:Body>
</soapenv:Envelope>
```

Response:

```
<S:Body>
  <ns2:getProductResponse xmlns:ns2="http://schemas.xmlsoap.org/soap/envelope/">
    <product>
      <id>1</id>
      <label>Printer</label>
      <price>250.0</price>
    </product>
  </ns2:getProductResponse>
</S:Body>
```

- **getProductPrice**

Request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Header/>
  <soapenv:Body>
    <web:getProductPrice>
      <productId>1</productId>
    </web:getProductPrice>
  </soapenv:Body>
</soapenv:Envelope>
```

Response:

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:getProductPriceResponse xmlns:ns2="http://schemas.xmlsoap.org/soap/...">
      <price>250.0</price>
    </ns2:getProductPriceResponse>
  </S:Body>
</S:Envelope>
```

- **getProducts**

Request:

```
<soapenv:Envelope xmlns:soapenv
  <soapenv:Header/>
  <soapenv:Body>
    <web:getProducts/>
  </soapenv:Body>
</soapenv:Envelope>
```

Response:

```
<S:Envelope xmlns:S="http://schemas.xmlsc
  <S:Body>
    <ns2:getProductsResponse xmlns:ns2=
      <products>
        <products>
          <id>1</id>
          <label>Printer</label>
          <price>250.0</price>
        </products>
        <products>
          <id>2</id>
          <label>PC</label>
          <price>1400.0</price>
        </products>
      </products>
    </ns2:getProductsResponse>
  </S:Body>
</S:Envelope>
```

- **updateProduct**

Request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Header/>
  <soapenv:Body>
    <web:updateProduct>
      <product>
        <id>1</id>
        <!--Optional:-->
        <label>Mouse</label>
        <price>120</price>
      </product>
    </web:updateProduct>
  </soapenv:Body>
</soapenv:Envelope>
```

Response:

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:updateProductResponse xmlns:ns2="http://schemas.xmlsoap.org/soap/envelope/">
      <product>
        <id>1</id>
        <label>Mouse</label>
        <price>120.0</price>
      </product>
    </ns2:updateProductResponse>
  </S:Body>
</S:Envelope>
```

- **deleteProduct**

Request:

```
<soapenv:Envelope xmlns:soapenv="ht
  <soapenv:Header/>
  <soapenv:Body>
    <web:deleteProduct>
      <productId>1</productId>
    </web:deleteProduct>
  </soapenv:Body>
</soapenv:Envelope>
```

Response:

```
<S:Envelope xmlns:S="http://schemas.
  <S:Body>
    <ns2:deleteProductResponse xml
      <return>true</return>
    </ns2:deleteProductResponse>
  </S:Body>
</S:Envelope>
```


- **deleteAllProducts**

Request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Header/>
  <soapenv:Body>
    <web:deleteAllProducts/>
  </soapenv:Body>
</soapenv:Envelope>
```

Response:

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:deleteAllProductsResponse xmlns:ns2="http://schemas.xmlsoap.org/soap/envelope/">
      <return>true</return>
    </ns2:deleteAllProductsResponse>
  </S:Body>
</S:Envelope>
```