PrestaShop Product Properties Extension

User Guide

Introduction

The PS&More PrestaShop Product Properties Extension allows you easily create sophisticated shop with features that are not available in the standard PrestaShop installation. It is not just simply one more PrestaShop module. It is an integrated PrestaShop solution. Give your visitors a unique user experience to buy exactly what they want and how they want. Emphasize your products with unique properties by using different product templates and boost your sales.

Note: Before installing the module please read carefully the installation instructions.

Features

Product templates

Product template is the heart of the Product Properties Extension. The Product Properties Extension behavior is based on the templates attached to the products. Template is a collection of different properties grouped together for easy access and manipulation. Most of the features of the Product Properties Extension are archived by assigning the product template to the product in the PrestaShop back-office.

Units of measurements

Products can be defined using different units of measurements, like meters, feet, kilogram, ounces, pounds, packs, etc.

Measurement systems

Both metric and non-metric (imperial/US) measurement systems are supported. There is no limitation what to use. You can easily switch between the measurement systems or even use both at the same time. You can use meters, feet, kilogram, ounces, pounds, liters or any other units.

Whole or fractional quantities

Product's quantity can be bound to different policies. The policy defines how the quantity is treated on the product's page. When the user enters the quantity, the ordered quantity can specify the number of items (pieces, packs, etc.). It is the regular PrestaShop behavior. The ordered quantity can specify the number of whole units (but not items), for example, meters. When user enters the quantity of 45 meters for the rope, the shopping card will contain one product (rope) with the specified length of 45 meters and not 45 items of the rope as it would happen in the standard PrestaShop installation. The

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quantity can also specify the fractional units (quantity in decimal values), like kilogram or meter. This is the mandatory behavior for the grocery or fabrics shops.

Price text

Price text is displayed after the product's price and usually specifies the price unit of measurement. For example: 45 € per kg or 12 € per 6 pieces of sushi.

Quantity text

Quantity text is displayed after the product's quantity and designates the meaning of the buying quantity. For example: 800 gram.

Unit price and unit price text

PrestaShop explains unit price as follows:
Enables you to conform to local legislations that require products to be displayed with their unit price. For instance, if you are selling a pack of 6 cans of soda, then you should fill this field with the price per can, and indicate "can" in the second field. The description on the same line will update accordingly. The "per" field can apply to any unit of measurement, the most frequent ones being "liter", "fl oz", "pound", "kilogram", "gallon", etc.

Unfortunately, the PrestaShop does not allow the description text be translated into different languages. The PrestaShop also prefixes the description with the “per” word that can’t be changes. The Product Properties Extension fixes this behavior by making the description translatable.

Minimum quantity

Minimum purchase quantity can be set in whole or fractional units. The minimum quantity can be also set in the product template.

Default quantity

Default quantity specifies the initial quantity to buy a product and can be set in whole or fractional units.

Quantity step

Quantity specified by the customers can be configured to be limited to specified quantity increments. For example, if you sell the fabrics in increments of 0.2 m you can set the quantity step to be 0.2. The ordered quantity will be rounded to 0.2, 0.4, … 1.6, 1.8, etc.

Quantity threshold for minimum price

The threshold used to calculate minimum price. When user specifies quantity less than the specified threshold, the price is calculated using the given threshold as a quantity. The result is that the price will never be less than the base price multiplied by the given quantity threshold regardless of the ordered quantity.

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Price calculation

Price is an additional visual element added in the Product Properties Extension. Price is displayed for the specified quantity and immediately re-calculated when quantity changes. This gives the user better shopping experience.

Inline Explanation

Inline explanation is displayed in the ordering block on the product's page. It is usually a special message explaining the trading policy, but can be any text. Any number of different explanation messages can be defined. For example:
"Product is sold by weight. The exact price will be calculated after the product is weighted."

Stock management

Stock management facility was adjusted to handle correctly products with the fractional units of measurements. For example, if you have in stock 30 kg of cheese and somebody ordered 700 gram you final stock quantity will be 29.3 kg.

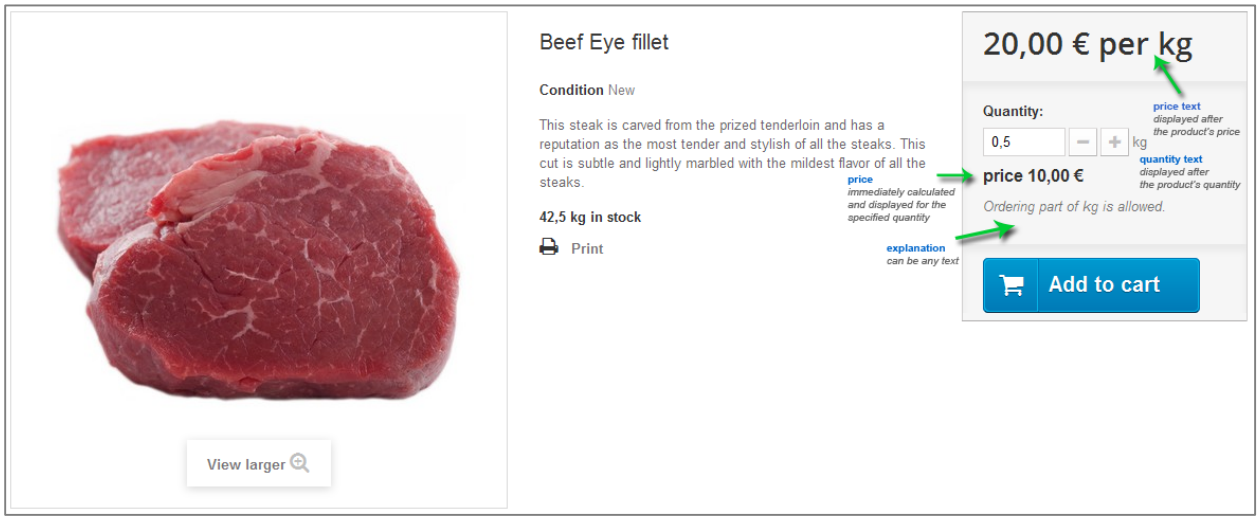
Product Import

Product import from CSV files was adapted to use fractional units and templates.

Quick Look on your Shop

Make a quick look on your shop. Review some front-office examples, read explanations. Look on our gallery at psandmore.com for more examples. Explore advanced features of the Product Properties Extension by visiting our live demo store at demo-store.psandmore.com.

Product Page



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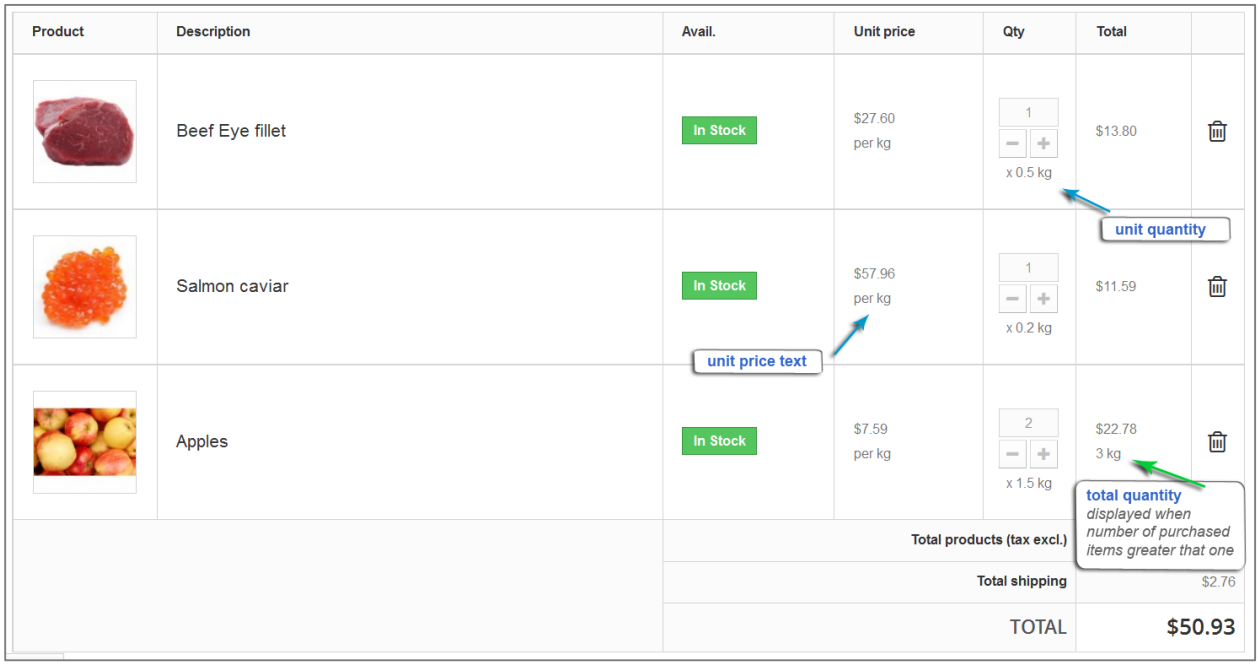
Shopping Cart Summary

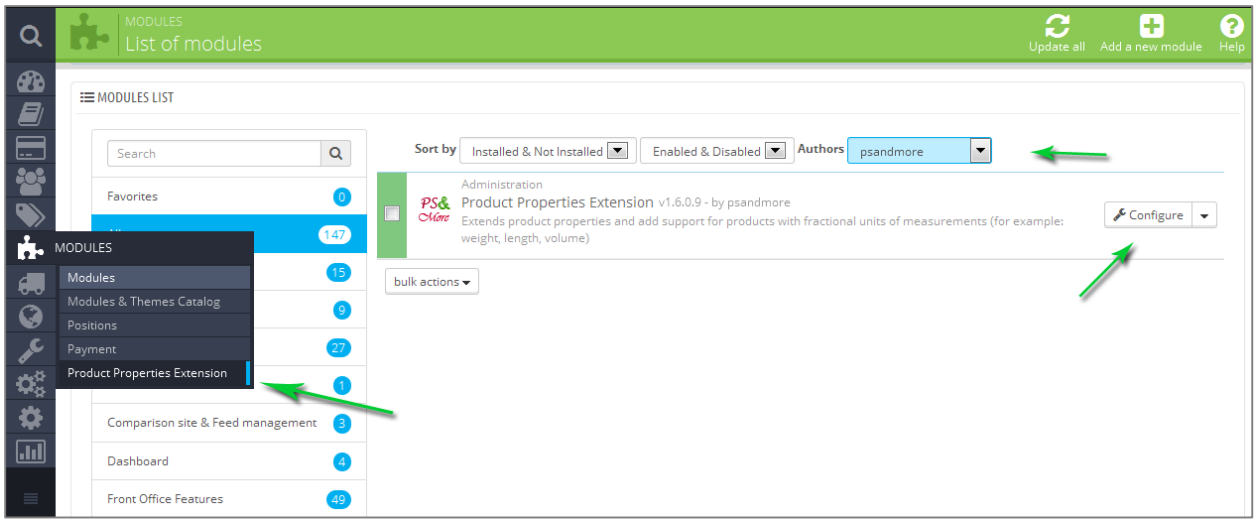


Using the Product Properties Extension

Install the Product Properties Extension module following the installation instructions.

Access the module configuration

You access the module configuration through the "Modules" tab in the PrestaShop back-office. To quickly find the Product Properties Extension module you can use filter. Choose the “psandmore” among authors to select all PS&More products.



Press “**Configure**” button to go directly to the module’s configuration page.

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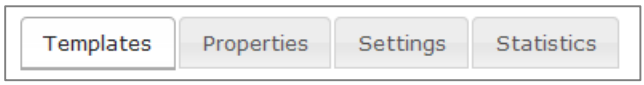
Configuration

The module configuration page has several tabs to assist with the configuration.



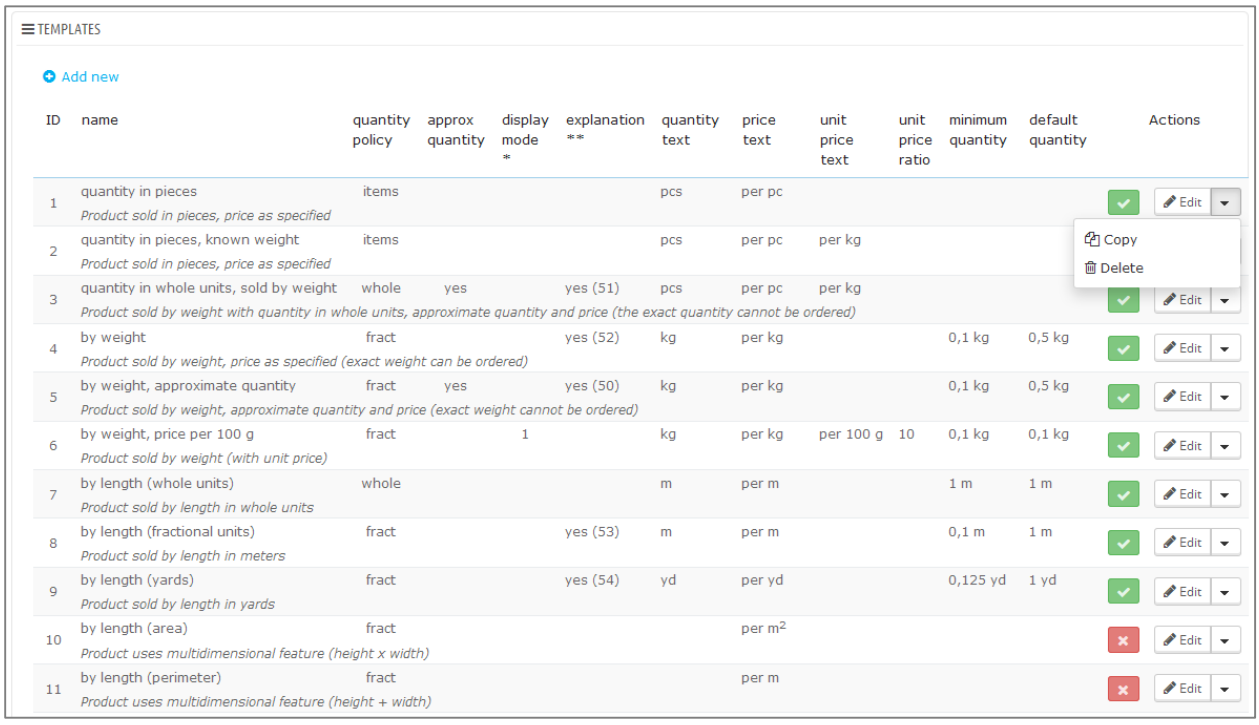
Templates

Understanding product templates

Product template is a collection of product attributes or properties combined together and defining the behavior of different elements of the PrestaShop engine, the way how the product looks in the shop and how it affects the user visual experience. There is no limitation for the number of product templates or product properties that can be created. The installation package comes with a collection of ready to use templates.

Manage templates

The templates tab gives access to the main module configuration facility where you review and manage the product templates.



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Function	Description
Add new	Use “Add new” function to open a new form and create new template. You will need to enter all template information. *Templates are often created by duplicating the existing templates.*
	Use “Visible/Hidden” function to make the template visible or hidden in the product catalog in the back-office. This is a convenient way to hide templates that you are not currently using and shorten the template list. Hiding the template in the back-office does not affect the behavior of the products, which are already bound to the template, in the shop.
Edit	Use “Edit” function to open the edit template form.
Copy	Use “Copy” function to duplicate the existing template.
Delete	Use “Delete” function to delete template from the system. When you delete the template, the products using this template will be shown in the shop as if no template is assigned.

Add, edit or copy template

When you add, edit or copy template the new form is opened where you enter the template attributes.

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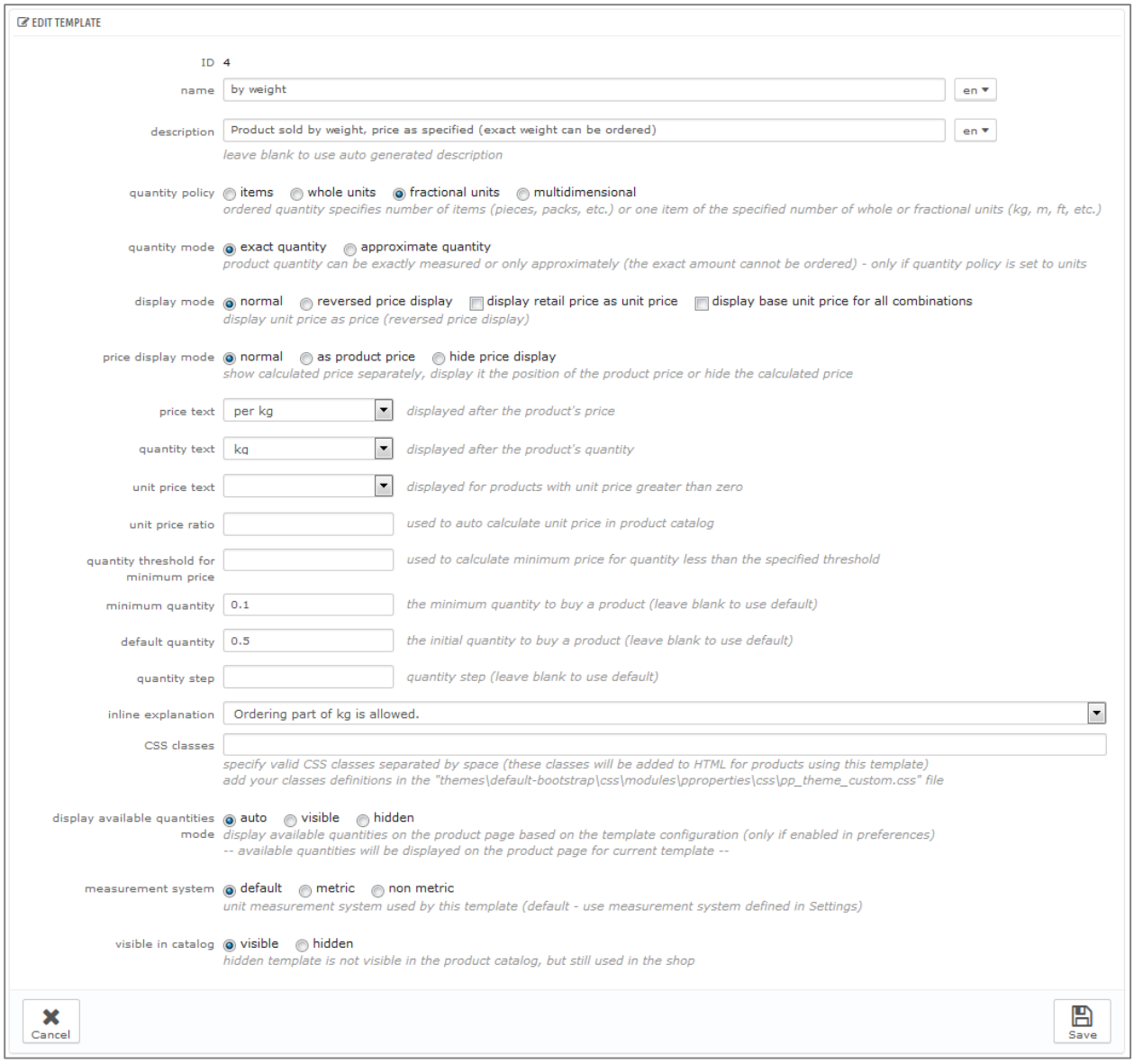

Template field	Description
ID	Template ID is automatically assigned to each template and is handy to quickly identify the template.
name	Specify the user friendly template's name.
description	Write the template description. The template description is only visible in the back-office. Leave this field blank to use the auto generated description.

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quantity policy	Choose the quantity policy used by the template. The quantity policy specifies how the quantity is treated on the product's page when user enters the quantity. The ordered quantity can specify the number of items in the shopping cart. It is the regular PrestaShop behavior. The ordered quantity can specify the number of whole units. When user enters the quantity in the quantity field, the shopping card will contain one product with the specified quantity of product's units. For example one electrical cable 30 feet long. The quantity can also specify the fractional units, like two and the half kilogram of cherry. The quantity policy is set to "multidimensional" when the multidimensional feature (requires multidimensional plugin) is enabled for the template.
quantity mode	Choose the quantity mode. The quantity mode defines whether the quantity can be exactly measured and ordered or it can only be measured approximately and the exact quantity can't be ordered. For example, if user orders 2 kg of pears, the actually weighed quantity can be slightly different. You can ignore the difference in the shop or you can give the user an explanation (see later) about you trading policy. This property only makes sense when the quantity policy is set to whole or fractional units, but not items.
display mode	Choose the display mode. The display mode defines how the product price and the unit price are displayed. Normal mode displays the product price and the unit price in the order defined by the theme. The product price is usually emphasized and attracts user attention. In the reversed price display mode the unit price is used as the main displayed price and replaces the regular price on the home page and in the categories or cross selling products pages. If you sell an expensive product, you can specify the small units with the low price and make you product looks more attractive for the user. *Note: for the reversed price display mode the unit price text has to be specified (see later).* In the display retail price as unit price mode the retail price is displayed where the unit price is usually shown. This mode is useful when the product has combinations and the combination prices are differ from the base price. In the display base unit price for all combinations mode the same unit price is displayed for all combination. The combination unit price impact is ignored. This mode is useful when the product has combinations with different prices and you'd like to display additional price information that does not depend on the combination price.
price display mode	Choose the price display mode. The price display mode defines how the calculated price is displayed. See price calculation feature for more explanation. In normal mode, when the product quantity changes, the product price is calculated and displayed in a separate block. In as product price mode, when the product quantity changes, the product price is calculated and displayed instead of the default product price. In hide price display mode the calculated price is hidden and not displayed.

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price text	Choose the price text that is displayed after the product's price. For example: per kg. *If you can't find the required text you can add more texts in the Properties tab.*
quantity text	Choose the quantity text that is displayed after the product's quantity and designates the meaning of the buying quantity. For example: kg. *If you can't find the required text you can add more texts in the Properties tab.*
unit price text	Choose the unit price text that is used as an additional attribute in the products display. For example, use "per 100 g" to designate small units of the product. *If you can't find the required text you can add more texts in the Properties tab.*
unit price ratio	Specify the price ratio between the product price and the unit price. For example, if you sell product in kg and would like to have the unit price displayed as "per 100 g", specify the unit price ratio as 10. The unit price ratio is used in the shop and in the product catalog to calculate the product unit price. When you change the price in the catalog, the unit price is automatically re-calculated.
quantity threshold for minimum price	The threshold used to calculate minimum price. When user specifies quantity less than the specified threshold, the price is calculated using the given threshold as a quantity. The result is that the price will never be less than the base price multiplied by the given quantity threshold regardless of the ordered quantity.
minimum quantity	Specify the minimum purchase quantity that will be used for all products using this template. The minimum purchase quantity can be overridden for individual product in the product catalog. The minimum purchase quantity can be set in whole or fractional units.
default quantity	Specify the default quantity that will be used as an initial quantity to buy a product. The default quantity is also used when product is added to the card from the pages that have "Add to cart" button but don't offer the quantity field, like home page. The default quantity can be set in whole or fractional units.
quantity step	Specify the quantity increments. The ordered quantity will be rounded to the value of the quantity step specified.
inline explanation	Choose the explanation that is displayed in the ordering block on the product's page. It is usually a special message explaining the trading policy, but can be any message. *If you can't find the required text you can add more texts in the Properties tab.*
CSS classes	Specify valid CSS classes separated by space (these classes will be added to HTML for products using this template). This field is used for fine tuning how your product looks in the shop. Add your classes definitions in the following file: themes/<your_theme_name>/css/modules/pproperties/pp_theme_custom.css

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display available quantities mode	Choose the mode how to display available quantities on the product page. The available quantities on the product page displayed only if this feature is enabled in the shop preferences. In auto mode the available quantities displayed based on the template configuration. If mode is set to visible, the available quantities on the product page displayed if this feature is enabled in the shop preferences. If mode is set to hidden, the available quantities are hidden for the products using this template.
measurement system	Choose the metric or non-metric (imperial/US) measurement system used by the template. Choose default if the template should automatically use the measurement system defined in the Settings tab. This is usually the best choice.
visible in catalog	Choose whether the template is active and visible or hidden in the product catalog in the back-office. Hiding the template in the back-office does not affect the behavior of the products in the shop.

Properties

The properties tab shows all template properties available to build the templates. All properties are divided into two categories: attributes and texts.

Attributes are used to choose price text, quantity text and unit price text.
Texts are long texts that are used as explanations (see Templates section).

You access add, edit and delete properties functions through the Properties tab.

Each property has two values. One is used for the templates with the metric measurement system and the other for the templates with the non-metric measurement system.

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ATTRIBUTES

Add new

ID	**Attribute** *metric*	**Attribute** *non metric (imperial/US)*	Actions
1	pc	pc	Edit
2	pcs	pcs	Edit
3	per pc	per pc	Edit
4	item	item	Edit
5	items	items	Edit
6	per item	per item	Edit
7	pack	pack	Edit
8	packs	packs	Edit
9	per pack	per pack	Edit
10	kg	lb	Edit
11	per kg	per lb	Edit
12	per 100 g	per 100 g	Edit
13	oz	oz	Edit
14	per oz	per oz	Edit
15	m	ft	Edit
16	per m	per ft	Edit
17	m^2	ft^2	Edit
18	per m^2	per ft^2	Edit

TEXTS

Add new

ID	**Text** *metric*	Actions
50	Product is sold by weight. The exact price will be calculated after the product is weighted.	Edit
51	Product is ordered in items but sold by weight. The exact price will be calculated after the product is weighted.	Edit
52	Ordering part of kg is allowed.	Edit
53	Ordering not whole number of meters is allowed.	Edit
54	to specify part of a yard use: 0.0625 for 1/16 yards 0.125 for 1/8 yards 0.25 for 1/4 yards 0.5 for 1/2 yards 0.75 for 3/4 yards	Edit

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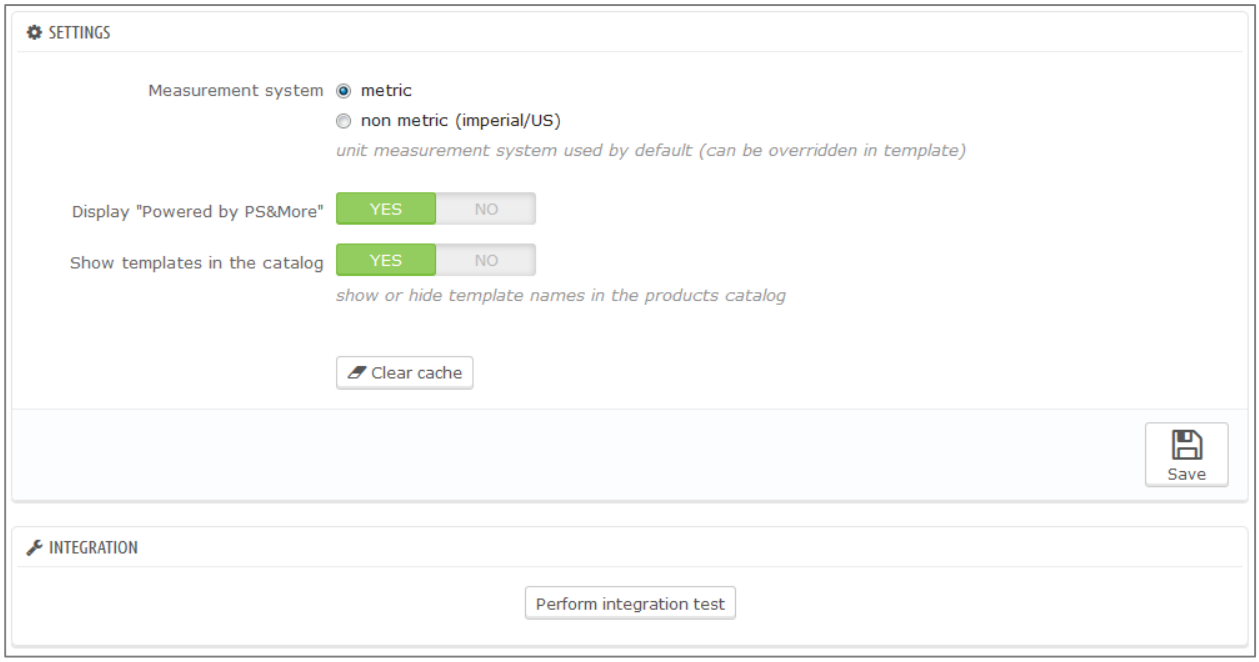
Settings

The Settings tab lets you configure different settings and default values used by the Product Properties Extension module.

The Settings tab also lets to perform the integration test. You perform the integration test to check for the compatibility issues and to see the compatibility results report. Perform the integration test each time you install new module, theme, change the PrestaShop core files or update PrestaShop. See the "Installation Instructions" for more information.



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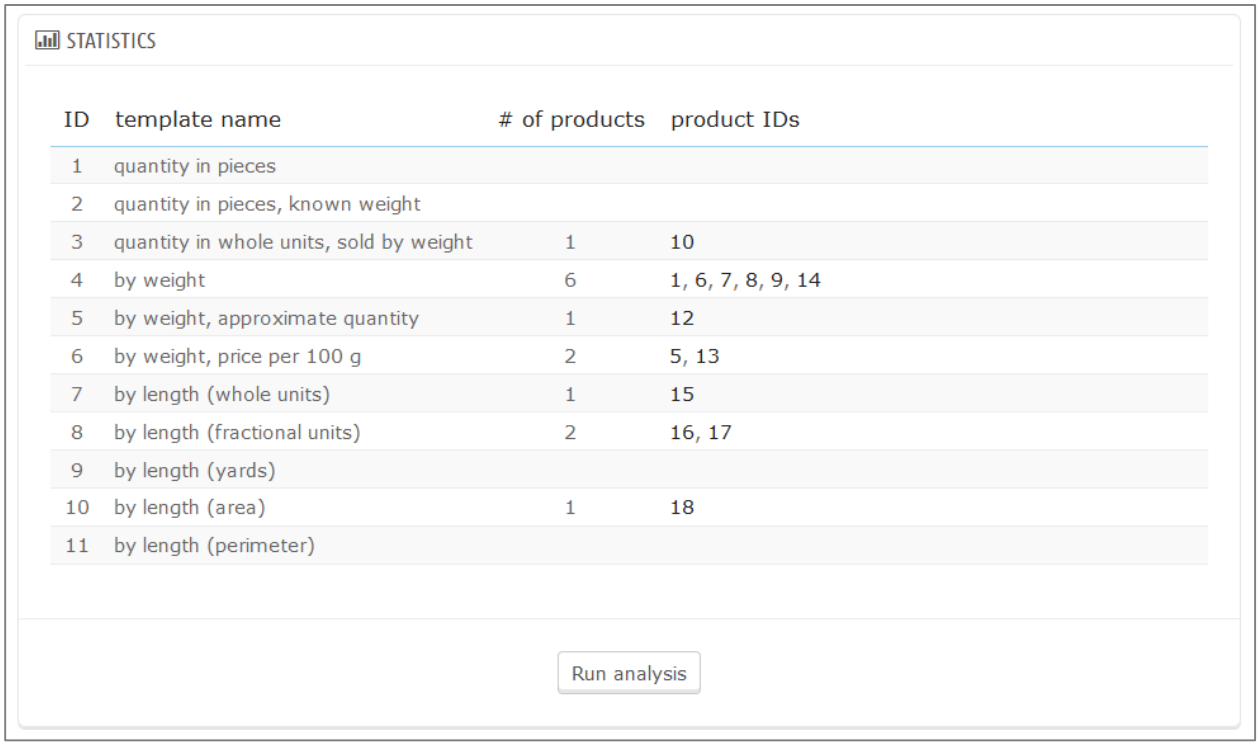
Statistics

Statistics tab presents the usage of different templates by the products in the shop. Click on the "Run analysis" button to collect the results. Each product ID in the results is a link that opens the product's catalog page for quick product access.



Working in the PrestaShop back-office

Adding Products in the Catalog

You add and manage products in your store in the usual way in the products catalog. In addition to setting the price and quantities for a product you can also choose the product template. You will find a new "Products Properties Extension" tab on the left where you can choose or change the template. Review the pictures below and read the explanations.

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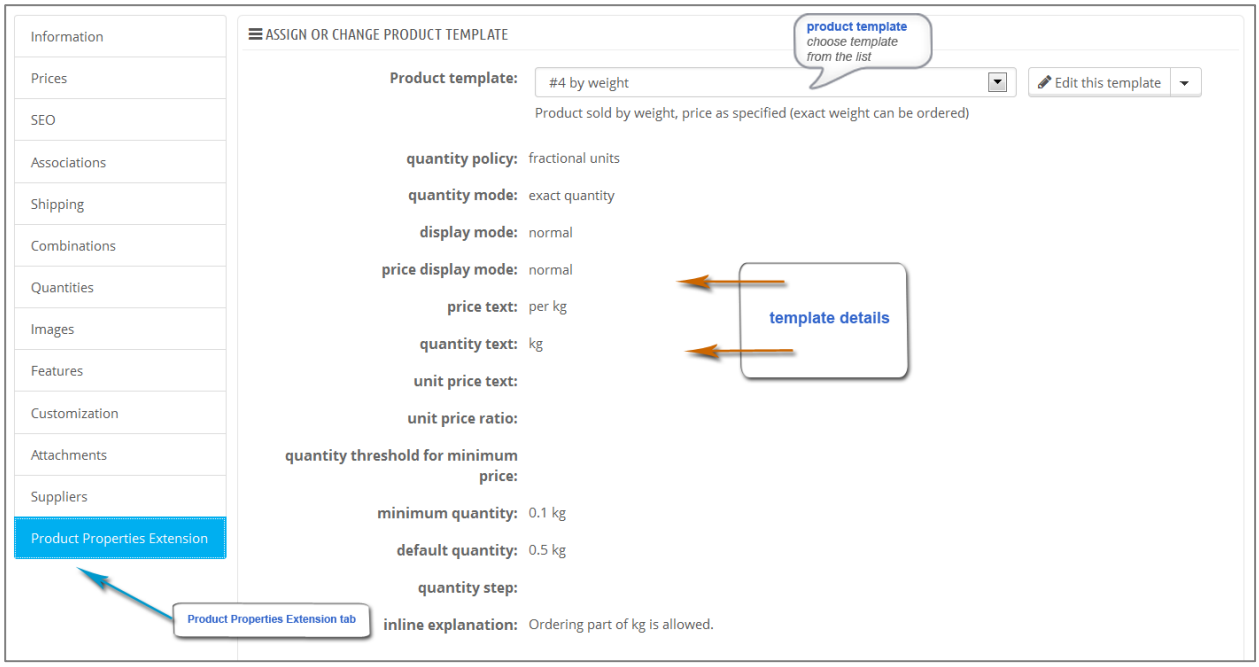

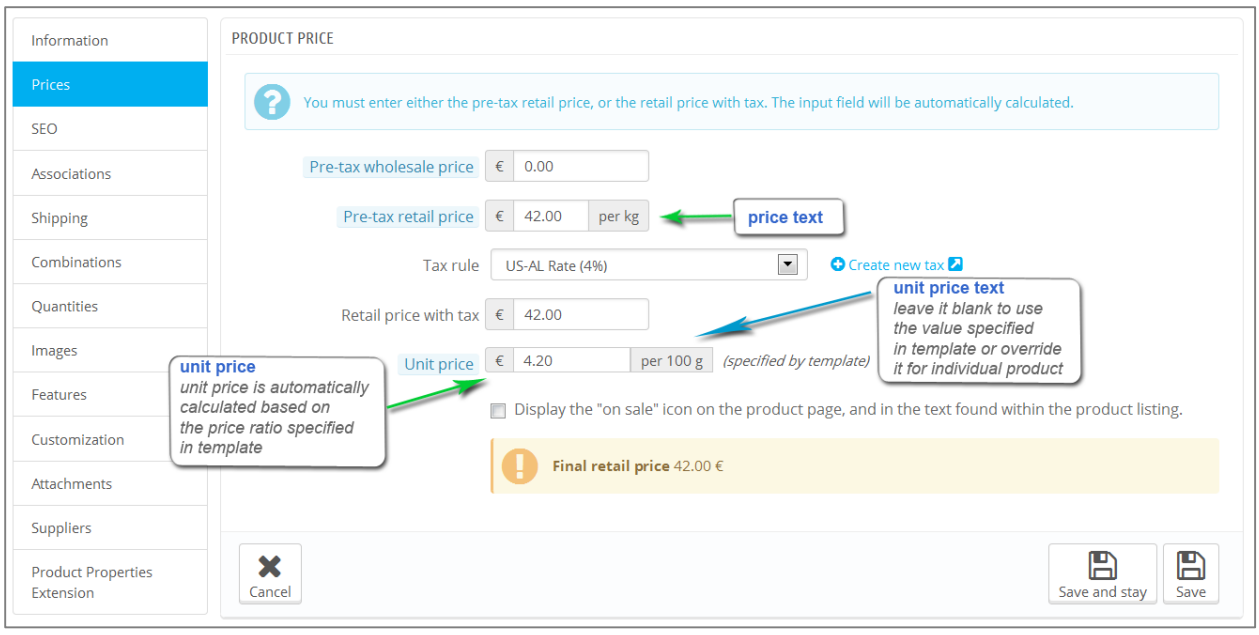

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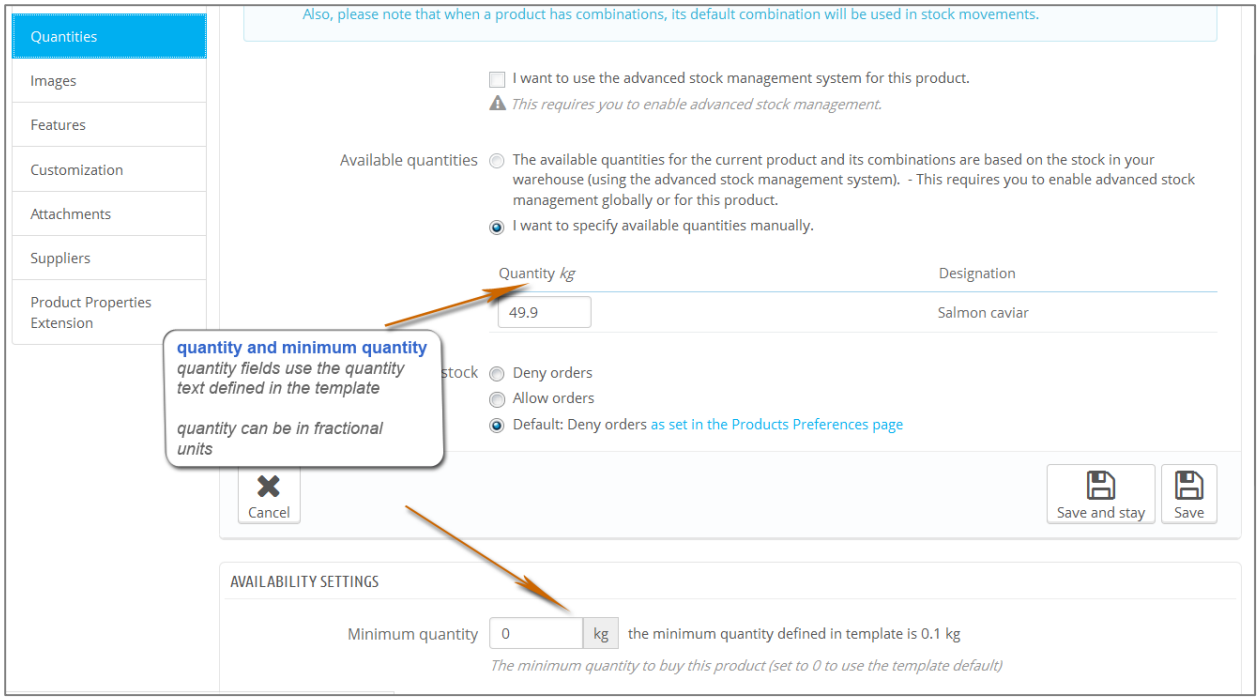

Stock management compatibility note

Some of the templates can be not compatible with the stock movement and should not be used if the stock management is activated in the PrestaShop. For shops, than don't use the PrestaShop stock management facility this restriction is not applicable.

For example, if you sell whole chickens that can be of different weight and would like to manage chickens in your stock in kg, you can't use template that specifies quantity in items and price per kg.

You can easily eliminate undesired usage on incompatible templates by setting their back-office "visible in catalog" status to hidden.

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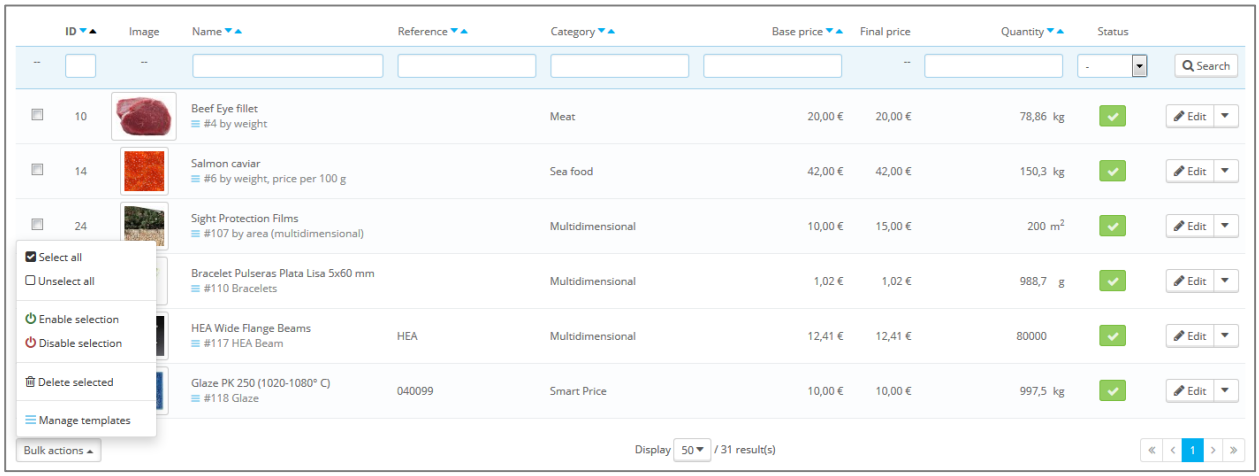
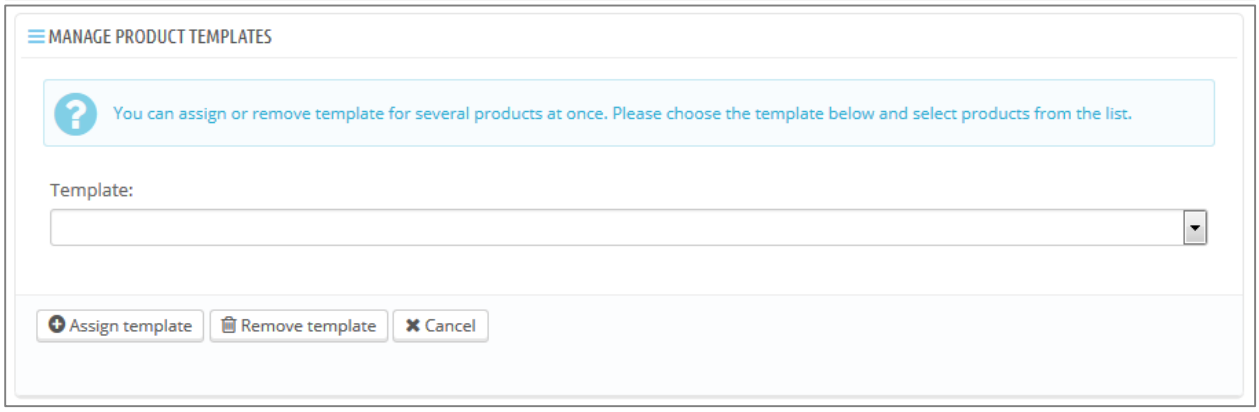
Bulk Actions

You can assign or remove template for several products in one operation using bulk actions in product's catalog. Select all desired products and choose “Manage templates” in the “bulk actions” on the bottom. You can use categories and filters to narrow your list.





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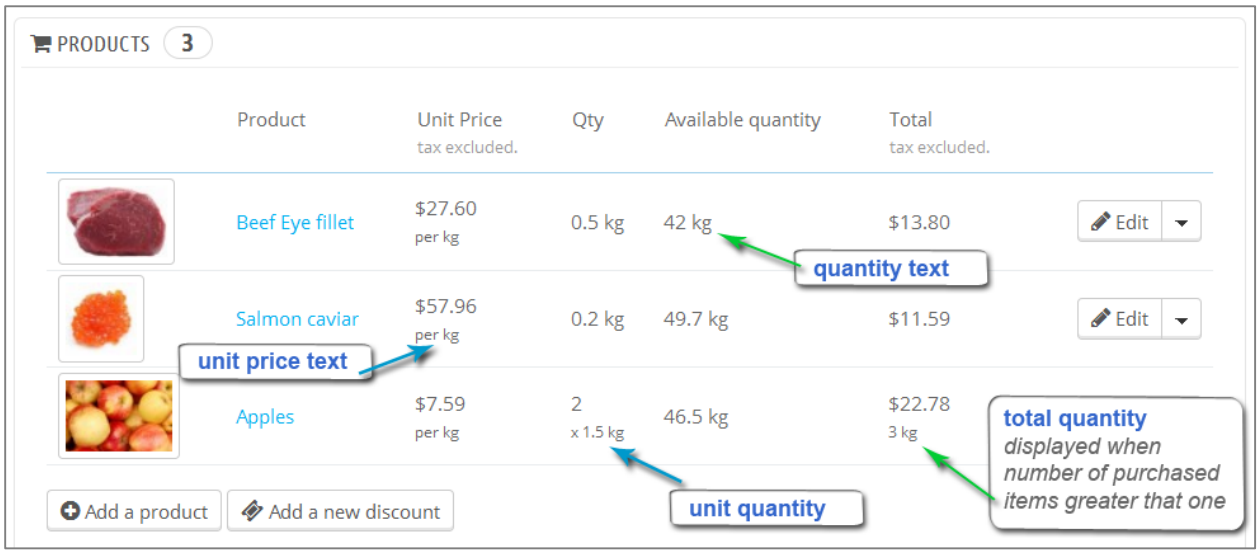
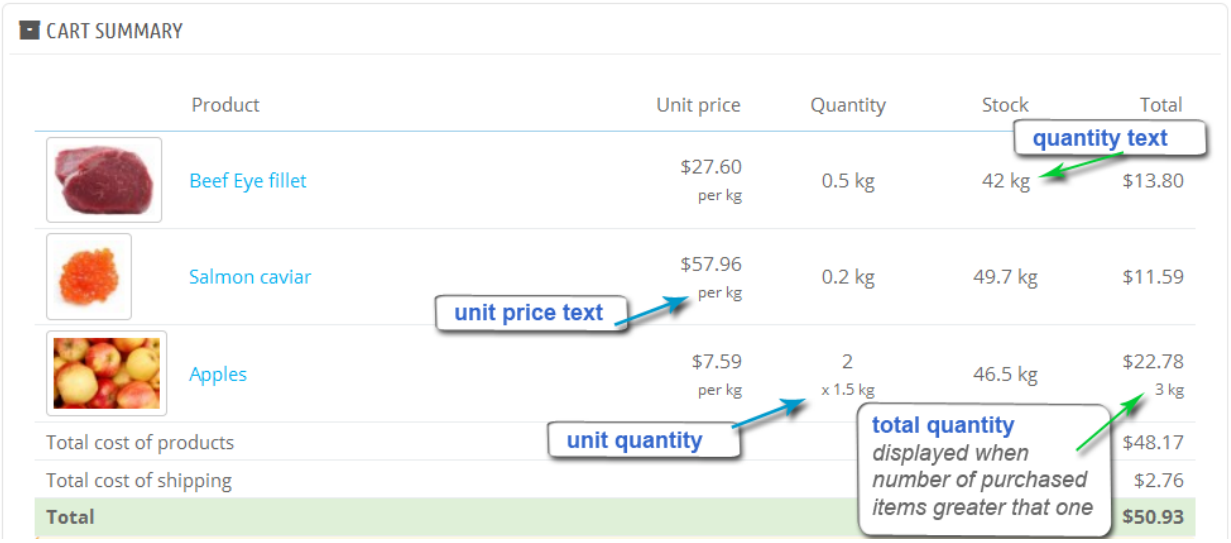
Viewing Customer Order Details

When you review the customer order you see the detailed information about the order.



Review Customer Shopping Carts

Customer shopping cart let you see the products that customers are adding to their carts in real time. The cart summary gives you the detailed information about the products in the shopping cart.



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PrestaShop Product Properties Extension

Installation Instructions

Install the module following the documentation how to install the PrestaShop modules available at http://doc.prestashop.com/display/PS16/Managing+Modules+and+Themes.

The installation process analyzes the PrestaShop files and configuration for user customizations. This can require access to the PrestaShop web site to retrieve the PrestaShop version information. Depending on your internet connection and the PrestaShop web site availability this process can take some time. Please be patient and don't restart the installation. If the installation fails with timeout, please uninstall the module and install it once more.

Once the Product Properties Extension module is installed, click on the module's "Configure" button. The Product Properties Extension module automatically integrates all necessary files and checks them for the compatibility. In case of issues, open the module's "Settings" tab to see the compatibility results report.

The module installation procedure automatically backups all your files replaced during the installation. If you did not edit the files, they are restored when you uninstall the module.

The backup files are placed in the **modules/pproperties-backup** folder.

Note: if you change the PrestaShop core files or theme, please always perform the integration test available in the module's "Settings" tab.

PrestaShop themes

The installation process recognizes and automatically supports the default PrestaShop theme that comes with the PrestaShop installation.

The installation process uses the best effort to properly integrate with the customized themes.

Changing the theme

If you need to change the theme after the Product Properties Extension module is already installed, please first uninstall the module. *When you uninstall the module all user data is preserved and remains in the database. All user data will be available when you reinstall the module.* When you uninstall the module, the original files from the previous theme are restored from the backup.

Install the new theme using the installation instruction provided by the theme's manufacture. Once the new theme is installed, switch your shop to use the new theme and reinstall the Product Properties

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Extension module. The module's installation process makes the best attempt to properly integrate the Product Properties Extension module with the new theme. Some customized themes can be modified in the way, making the automated integration not possible. If you see the integration warning it means that some of the files in your customized theme are not integrated. In this case the manual integration is required. Please follow explanations found in the "Theme integration instructions" document.

Updating PrestaShop

New versions of PrestaShop come every few weeks. Before updating PrestaShop it is required to check for the Product Properties Extension upgrade package matching your new PrestaShop version. This advice is not specific for the Product Properties Extension module, but is true for all other 3rd party modules.

Before updating PrestaShop you need to uninstall the Product Properties Extension module. Please read the "Upgrading Product Properties Extension module" section in this document.

Upgrading Product Properties Extension module

Before you upgrade the Product Properties Extension module please save and backup your current shop. Follow the PrestaShop instructions how to perform this step.

http://doc.prestashop.com/display/PS16/Making+and+restoring+your+own+backup

It is important to back up your customized translation. If you did not edit the available translations you can skip this step.

Perform integration test

Open the module Product Properties Extension configuration page and select "Settings" tab. Perform the integration test to check for modified files. If the compatibility results report does not show any modified files you can continue with the upgrade procedure. If you have modified the Product Properties Extension files, write down the list of the modified files. You'll need to manually review these files after you finish the upgrade.

Step by step upgrading procedure

- If you use the Product Properties Extension plugins delivered as separate modules, uninstall them first. You should reinstall them after you finished the upgrade procedure.
- Uninstall the Product Properties Extension module using the PrestaShop module management. *When you uninstall the module all user data is preserved and remains in the database. All user data will be available when you reinstall the module.*
- Review the backup folder located at **modules/pproperties-backup** and created during the installation. If you can't find this folder, this means that the uninstallation procedure

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successfully restored all files and deleted the backup folder. If this folder still exists after the uninstallation, this means that some files have been modified after the initial module's installation and thus have not been restored. You should manually compare the files, restore the correct version and delete the reviewed files from the backup folder. If you skip this step, the module installation procedure will not backup the files and can report the incompatibility issues.

- Backup your translation files. The translation files are named **`iso_code.php`**, where **`iso_code`** being the ISO 3166-1 code (http://www.iso.org/iso/country_codes.htm) (de, fr, en, it, es, etc.): The files are located either in `modules/pproperties` folder or `modules/pproperties/translations` folder.
- If you have the integrated plugins backup your plugins. You'll find the integrated plugins under the following folder:
  `modules/pproperties/plugins`
- Delete the Product Properties Extension module using the PrestaShop module management.
- Install the Product Properties Extension module following the installation instructions found in this document.
- Restore and review your customized translations. New version of the module can have modified texts that need to be translated.
- Restore and review your integrated plugins and plugins delivered as separate modules. New version of the module can require different version for some plugins.

Troubleshooting

Manual Setup

These manual setup steps need to be performed if the module automated setup fails with errors.

Please refer the PrestaShop documentation for troubleshooting where you can find how to turn error message display on.

http://doc.prestashop.com/display/PS16/Setting+Up+Your+Local+Development+Environment#SettingUpYourLocalDevelopmentEnvironment-Displayingerrormessages

If you see warning that the integration failed for some module, you can temporary disable or uninstall the module in question and re-run setup.

If you can't resolve the problem by your own, please contact the customer support at support@psandmore.com for help.

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