

Sakura - Requirements specification

Drupal Commerce - Kickstart 2.

‘Piece of art’ product type definition.

The variations of the "piece of art" product are hereafter referred to as ‘dimension’.

An allocated stock is available for each variation.

Each product variation - product dimension - can be sold with an optional framing type.

Each product variation is linked to at least one framing type hereafter referred to as ‘framing’.

Each framing has a set of required options displayed in radio-button list.
Here's the list of options:

- No framing (default choice).
- Dibond sealing
- Plexi sealing
 - Matte Plexi
 - Glossy Plexi
- Floater Frame
 - With Plexi
 - Without Plexi
 - White Frame
 - Black Frame
- Behind glass frame
 - White Frame
 - Black Frame
 - With passepartout
 - Size of the passepartout
 - Without passepartout

The chosen options affect the final price of the product.

When creating the variation, we have to be able to choose a recommended option path.

For example :

For my 30x30 dimension, suggest Plexi sealing - Glossy Plexi.

Those will be the default options used for the product display.

‘Framing types’ stock and shipment.

Each framing type variation has an allocated stock which will be defined by its associated 'dimension'. For example :

40 white Floater frames for the 40x40 dimension.

40 white Floater frames for the 30x30 dimension.

This stock is unrelated to the "piece of art" stock.

For example :

If I have 20 "pieces of art" products of a 30x30 dimension, with Dibond-sealed framing and only 5 items in stock, the product status will be "shipping within 20 days".

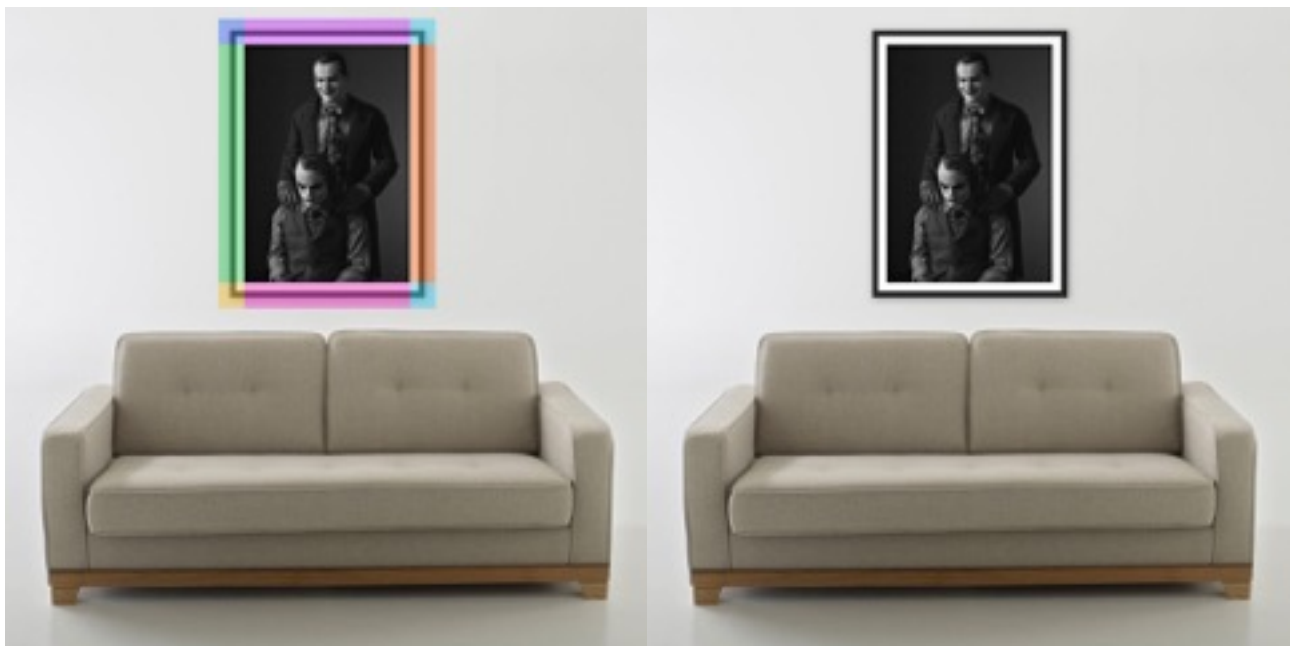
But if I have 20 "pieces of art" products of a 30x30 dimension, with Dibond-sealed framing and 50 items in stock, the product will be immediately available for shipping.

The current framing type stock status shall not prevent the addition of products to the basket. When an item is bought in a specific "dimension", the stock status should be updated to reflect the number of available product variations as well as the number of chosen framing type in this specific dimension.

Generating product visuals in compliance to 'dimensions' and 'framing types'.

We must be able to generate visuals in compliance to the chosen dimensions and framing types during the production variation creation.

This generation has to be done from a picture uploaded by the user during the the variation creation as well as from a picture library including scenes and parts used to create the framing.



example of the expected result

The frame is made of 8 pieces - 4 corners and 4 edges. The edges are patterns of 1px wide (bottom,top) or high(left, right).

Any changes made to the options should instantly be visually reflected on the front office. The final picture size will be distinctive, solely used on product sheets.

Depending on the artwork dimension or style, the background will be selectable in a list. Plan that we shall have this choice of background during the image creation phase of the product variation.

Artists payment.

The 'artist' content type linked to any artwork shall be found in the product order. We have to create an additional field that will retrieve the 'artist' entity and inject his ID into the commerce-line-item.

We shall then create a view that will gather all the artist's sales over a specific amount of time. That shall be done with a database request in order to retrieve these values.

The different 'dimensions' shall include a field corresponding to the artist's fee for this specific format.

The fee is either a percentage of the selling price or a fixed price for the picture format.

Accordingly to the chosen payment method for the fee, we shall be able to generate, for the artist, a sales invoice that will be sent to him via email.

We shall make this task doable as a bulk action.

General and per gallery stock management.

From a gallery-type post, we shall be able to provide the stock status of each gallery. Create a view that will allow us to show the stock status for all framing types and for other items - that may not have been sold. For the latter one, the stock status will be manually updated .

For example:

Plastic film quantity at the Marais Gallery

We shall be able, for a specific artwork, to indicate whether its dimension, framing type and related options are in stock in a specific gallery.

For example :

Artist A's artwork B has 2 copies available in dimensions 30x30, with a White Plexi Floater Frame at the Marais Store.

If the options match, we shall then be able during the ordering process to indicate that the item is available for an immediate pick-up at the Marais Gallery.