

Project #1 Outline - Flagging System for Multi-Box Orders

Project ID: OCT14-MLTIBX

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Date: 10/21/2014

Website(s) to Deploy Project to: [omitted].com

Overview:

Our current build of osCommerce does not have functionality to accurately return estimated shipping rates for orders that will have to be shipped in more than one box. Orders that are large in physical size must often be shipped in multiple boxes due to box size limitations imposed by the shipping carriers.

Currently, osCommerce will only return rate estimates based on the cumulative weight of all the products in the shopping cart, and provide rate estimates based on that alone. It does not take the products' dimensions into consideration when requesting a shipping rate from the carrier's website.

The result is a rate estimate that does not adequately reflect the actual cost of shipping the order.

Objective:

To implement a flagging system which can be applied to products that are large in physical size which are likely to cause an order to be shipped in more than one box.

Background:

Our website is used to process orders in **two** ways:

1. By end-users (aka "Retail" customers) placing orders for themselves utilizing the front end of our website
2. Orders for "Wholesale" customers, being processed manually by our office staff through the back end of our website utilizing our "Sales Order Management" module: [https://admin.\[omitted\].com/admin/salesOrderManagement.php](https://admin.[omitted].com/admin/salesOrderManagement.php)

The problem we are attempting to resolve by implementing this flagging system is almost entirely related to #2 -- orders being processed using our "Sales Order Management" module. This is because orders for Wholesale customers are typically much larger in size than those for Retail customers.

As such, we will not be implementing any changes to the front end of our website--only the back end.

Description of Changes / Implementation:

Back End - We would like to implement changes in **two** locations:

Location #1: "Product Edit" page - The page used input/edit data about new or existing products.

1. **Example link:** [https://admin.\[omitted\].com/admin/categories.php?cPath=86&pID=3972&action=new_product](https://admin.[omitted].com/admin/categories.php?cPath=86&pID=3972&action=new_product)
2. This page is accessed by:
 - a. Navigating to the product catalog
 - b. Selecting a product
 - c. Clicking the Edit button in the right-hand panel (see screenshot: <http://goo.gl/grM59F>)

We would like to add a checkbox to the "Product Edit" page which we will use to flag products that may potentially cause an order to be shipped in multiple boxes. Once this product has been "flagged", it will create a warning in the "Sales Order Management" module to alert our order processing staff so that they may manually estimate a more accurate shipping charge before placing/confirming the order.

Below is a mock-up of how we would like the checkbox flag to appear at the top of the "Product Edit" page.

Products Status:	<input checked="" type="radio"/> In Stock <input type="radio"/> Out of Stock
Include in Sales History:	<input checked="" type="checkbox"/>
Include in Inventory Value Report	<input checked="" type="checkbox"/>
Hot Product:	<input type="checkbox"/>
Express Product:	<input type="checkbox"/>
Hidden:	<input type="checkbox"/>
Discontinued Product:	<input type="checkbox"/> Product ID of newer model/replacement: <input type="text"/> View Products
Flag for Potential Multi-Box	<input type="checkbox"/> Enter minimum # of pieces to initiate flag <input type="text"/>

As you can see, there are two components to this checkbox:

1. The checkbox itself
2. A numeric value field where the user will enter the minimum number of pieces of the product that must be in the sales order to initiate the warning flag. This field should be required if the checkbox has been selected.

Location #2: “Sales Order Management” module

1. **Link to main page:** [https://admin.\[omitted\].com/admin/salesOrderManagement.php](https://admin.[omitted].com/admin/salesOrderManagement.php)
 - a. This module is accessible via the back end of our website by clicking the “Sales Order” link in the gray menu bar at the top of the any page.
2. **Link to page used to create a sales order for given customer:** [https://admin.\[omitted\].com/admin/salesOrderEntry.php?customers_id=9478](https://admin.[omitted].com/admin/salesOrderEntry.php?customers_id=9478)
3. **Example of a completed sales order pending processing:** [https://admin.\[omitted\].com/admin/salesOrderEntry.php?so_id=4077&customers_id=9478](https://admin.[omitted].com/admin/salesOrderEntry.php?so_id=4077&customers_id=9478)

Below is a mock-up of how we would like the flag to appear on the “Sales Order” page.

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Internal Customer Notes

THIS ORDER MAY SHIP IN MULTIPLE BOXES. ⓘ

Order Info

Free Shipping ☐

Payment Info

Note

Subtotal: \$58.06

Item Entry

Quantity

Product

Order Basket

	Order Qty	Model	Unit Price	Inv	Name
	1	MS-21000.1	\$58.06	4	MS Composit Unique Blue and White - 4-Ch Aeroba Semi-Scale Plane

If a “flagged” product is added to the sales order in a quantity exceeding minimum value specified on the “Product Edit” page, the message in the red box in the screenshot should appear on the page. It should include an info box icon that will contain instructions for the user.

Here is the desired text:

Flag message text: THIS ORDER MAY SHIP IN MULTIPLE BOXES

Info box text: Print out this sales order and give it to the warehouse staff. The warehouse staff will then pull the order check if it will ship in multiple boxes. If so, use the box weights and dimensions provided by the warehouse staff to estimate the order's shipping charges using Shipworks (make sure to include any handling and insurance fees). Then load the customer's cart and begin processing the sales order, making sure to adjust the shipping charge to reflect your estimate on the final confirmation page before completing the order.

CSS to use for flag message box:

```
padding: 7px;  
color: #f00;  
text-align:left;  
background: #ffe8dc;  
border: #ff0000 1px solid;
```

Notes, Bug Tracking, and Correspondence

Please use this section of the document to make comments, ask questions, or correspond about the project.

KL, 10/20/14 - Example Note