



Mal's E-Commerce Suite Documentation

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Introduction

Setting up an online store for your website has got to be one of the trickiest things that you can undertake. Dealing with people's money, tracking orders, product fulfilment and maintaining a good trading reputation are all paramount concerns.

Thankfully there are online solutions available that offer shopping cart functionality that you can simply link your product pages to for either a minimal charge or, with some, for free. One of the easiest to use and most versatile is Mal's e-commerce. The brainchild of Mal Stewart, the site offers both free and subscription based shopping cart services that allows you to get selling online quickly and securely.

To start trading you will need;

- Some web space to host your shopping pages
- An account at Mal's e-commerce (www.mals-e.com)
- Either a way of processing the orders manually or an online payment processor (such as PayPal, Nochex, Verisign or WorldPay)

The Mal's free account will collect the order and credit card details and save them securely, allowing you to process the payments manually. The premium (paid for) account, however, seamlessly integrates with a number of existing payment processors allowing you to automate payment collection.

On signing up for an account you will receive an e-mail outlining your account settings and details on how you can access the secure administration part of the Mal's website. From this page you can maintain your account details, view the orders that have come in from buyers, and alter the cart options available to your store (using the Cart set-up link). It's worth spending some time reading through the extensive documentation on the site in regard to setting up costs for shipping units, tax, affiliate programmes, language settings. This also covers the visual side of the shopping cart including options for changing the logo, colours, fonts etc.

The Mal's E-Commerce Suite is a set of actions that allows Freeway users to easily add the anything from simple 'buy now' links to quite complex multi-option purchase forms to their web sites.

Using the Actions

The Mal's action suite contains the following eight individual actions;

- **Mal's Buy Button**

Use this action to add simple 'buy now' buttons to your shopping pages.

- **Mal's Buy Form Setup**

Either sketch this action around all of the form items that make up a single product order or attach it to a parent object (a table or a page for example) and it will group the items together and define them ready for Mal's.

- **Mal's Buy Image Link**

With similar functionality to the Mal's Buy Button action this action allows you to set up 'buy now' buttons based on images.

- **Mal's Buy Text Link**

Create a simple text link that users can click on to add the product to the shopping cart.

- **Mal's Multiprice Select**

For product forms with different prices for different options (a wool coat may be \$100.00 but the leather version may cost \$150.00 for example) the Mal's Multiprice Select action can add the correct code to achieve quite complex buying options.

- **Mal's Quantity Field/Checkbox/Radio**

Again for form based product pages this action allows you to easily set up all of the required attributes associated with quantity fields, checkboxes and radio buttons.

- **Mal's Review Cart Image Link**

Much like the Mal's Buy Image Link action this can be applied to an existing image that will allow your site visitors to review the contents of their shopping cart.

- **Mal's Review Cart Text Link**

This action allows you to easily set up text based links to allow your site visitors to review the contents of their shopping cart.

The Action Interface - an Example

Most of the actions in the suite share a common core functionality and simply allow you to apply this in different situations. Here we will be looking at the Mal's Buy Form Setup action.

The screenshot shows a window titled "Actions" with a sub-tab "Mal's Buy Form Setup". The interface includes several sections of controls:

- Activate**
- Link info:**
 - Server address:
 - Target:
 - Other target:
- Buy info:**
 - User ID:
 - Product name:
 - Price:
- Optional info:**
 - Quantity:
 - Return to:
 - Shipping units*:
 - Language:
 - Currency ID*:
 - Tax (%):
- Add link verification**
 - Key code*:

* Refer to admin area

Mal's Buy Form Setup action interface

The `Activate` check box is something that you will find in a lot of these actions as it allows action code to be disabled without needing to be removed from the item which would, in turn, lose any of the user settings applied to it. It allows users to quickly add and remove action functionality very quickly and easily.

Below the `Activate` check box are the main controls for the action starting with the `Link info` section.

The `Server` address pop-up menu allows you to select the server at Mal's that your shopping cart is located on. To date there are six servers that process orders with each dealing with transactions specifically for users with user IDs within a certain range. By splitting the load like this you can be assured that things won't grind to a halt if everyone goes shopping at the same time. Simply select from the menu the name of the server you were given when you signed up with Mal's and which should be outlined in your welcome e-mail. If the name of the server is missing from the list then simply select `Other...` at which point a new text field will appear below this menu allowing you to either type or paste the address of the server into it.

Most of the time, I suspect, the `Target` menu will go unused. It allows you, however, to open the Mal's shopping cart page up in a defined location, be it a frame or a window. Select from the standard `_parent`, `_top`, `_blank` and `_self` options, or none at all (which is the same as `_self`). The `Other...` option allows you to define the name of the target the page should be opened into by entering it's name in the `Other target` text field. If the target is available the page will be loaded into it or, if unavailable, a new browser window will be created and given this name.

The next section, `Buy info`, contains all of the remaining information about the store and the products themselves.

The `User ID` field should contain your Mal's account ID number that you were given when you first signed up for the account. This is the only way that the server has of knowing which shopping cart to add the products to so make sure it is correct. Ideally you should copy and paste this from your welcome e-mail. Once a user ID has been entered in one action all of the other subsequently applied actions will use this value by default.

`Product name` contains the descriptive text that your users will see in the main shopping cart window for each product. Ideally this should be short, to the point and descriptive of the item in question. If you later add further options for the product, such as colours or sizes, these will be appended to the end of this description in the cart window.

The `Price` field contains the unit price for the item without any currency signs. The currency to be used in the cart is defined by a setting in the cart administration page on the Mal's web site.

The remainder of the controls in the action are all optional so if you are in a hurry to can skip these and still have a functioning shopping cart. However we would strongly recommend that you spend the extra time working with these features as they will not only make your store easier for visitors to use but add important features that will help protect your site from malicious use. To enable these features use the `Optional info` checkbox.

If you wish to add multiple items to the shopping cart for each click (maybe you would like to offer 3 items for the price of 2) then you can do so by specifying the number in the `Quantity` field. By default the system will add a single item to the shopping cart each time the item is clicked unless another value is specified either here or in another quantity field in your form.

The `Return to` text field, when specified, allows the shopping cart to return the user directly back to the page they last viewed. You will need to specify the address of either the current page or a page that you wish the user should return to (maybe an offers page) as an absolute URL. For example; `http://www.mydomain.com/shop/item1.html`

If the product is a physical item that needs to be shipped or posted then you will need to specify how much the user has to pay for this. Once again this is handled by the secure administration section of the Mal's web site. These codes can then be entered into the action using the `Shipping units` entry field.

The `Language` pop-up menu allows you to specify the language the user will see the shopping cart page displayed in including both `European` and `US English`.

The `Currency ID` field allows you to specify the currency the user will see in the shopping cart. These options can be set up in the secure administration section of the Mal's web site.

If your goods are subject to tax then you can specify the percentage to charge for each product by entering a figure in the `Tax` field.

`Link verification` is a very powerful part of the Mal's shopping cart and is also a feature built into these actions. To prevent users from manually altering the code that makes up your shopping pages each product is marked

with a special encoded identification number that denotes the product, any additional extras and the price. If the shopping cart receives an order where the information in the link or button does not match this identification number then the item order is refused.

OK, so now we've covered the core of the action's interface elements lets start by creating set of sample 'buy now' links that will allow you to add items to your Mals cart.

Creating Simple 'Buy Now' Links

The simplest and most direct method of allowing your site visitors to purchase items is to use 'buy now' links. These are standard HTML links to the Mal's shopping cart that contain the reference to the product, quantity, price etc. On clicking the link the shopping cart page is called and the item information is automatically added to the cart. 'Buy now' links can either take the form of HTML text or image links.

The following examples assume you are fairly familiar with Freeway's ability to create pages as well as uploading these using the application's built in FTP tool.

Creating Text Links

Before you look at adding any e-commerce functionality to your website it's worth getting the pages as developed as you can. Design and produce the layouts you want and leave gaps for the text links. When you are happy with the overall design and functionality of the site you can start to add the 'buy now' links.

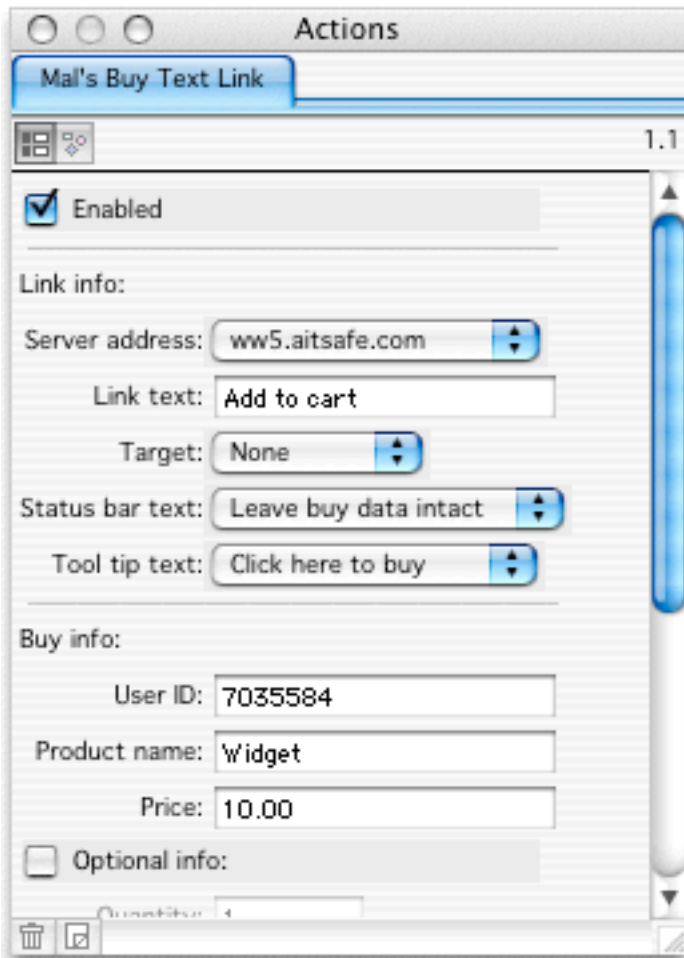
Select an HTML text box in your design and place the cursor where you want the text link to appear in the run of text. Select `Action Item > Mal's Buy Text Link` from the Insert menu.

Widget Price: \$10 Mal's Text: My prod 

Inserting the Mal's Buy Text Link action into a run of styled text

This will insert an action item into the run of text. Click on this item to select it and choose `Window > Actions` to show the action's palette if it's not already visible. It is

here that you will see all of the options for the action.



The Mal's Buy Text Link action interface (in part)

Ensure the `Enabled` checkbox at the top of the action palette is ticked. This allows you to quickly turn the action on and off without having to remove and destroy the action instance. If you ever need to temporarily remove any of these actions from your pages then simply use this control.

Using the account information you should have been e-mailed when you first signed up for your Mal's account as a guide set the `Server address` menu to the correct setting for your account. If the server address isn't present in the menu then simply select other and enter the address in the text field that becomes available.

Next, type in the text you want to appear in the web page in the `Link text` field. In the `Buy info` section of the action enter your user ID as well as the name of the item you are selling in the `Product name` field. Finally enter the price of the item in the `Price` field. Remember not to add anything other than a numerical value in here as the

currency itself is set using the secure admin panel of the Mal's cart.

If you now preview your site in a web browser with a live internet connection you should be able to click on this link to add the item directly into your Mal's cart account. Although we've skipped over many of the options within the action these are the basics of setting up the action for a simple text based buy link. For information on using these options please see the Advanced Features section later in this document.

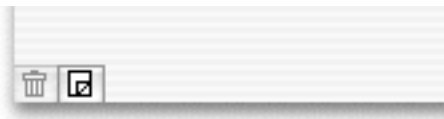
Creating Image Links

The process of creating image links is almost identical to that outlined above in the creating text links section.



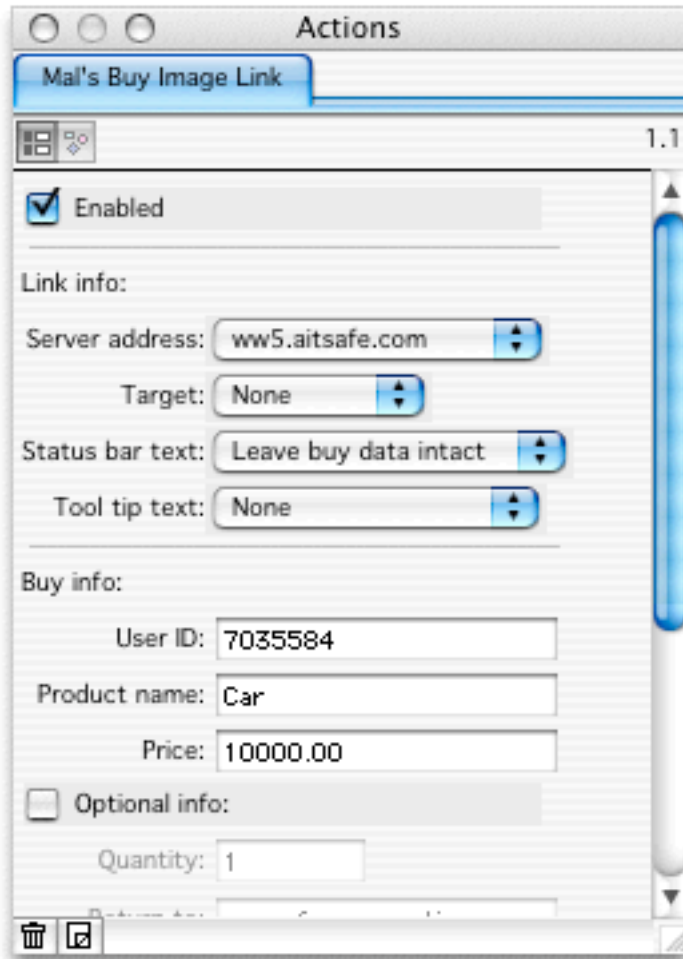
Attaching the Mal's Buy Image Link action to an image

Sketch a picture box to your Freeway page and either import your desired image or create one using the application or one of the Graphics Pack FAST actions. With the picture box selected add the Mal's Buy Image Link action to it by either selecting `Actions > Mal's Buy Image Link` from the `Item` menu or by clicking on the `apply new action` icon at the foot of the action's palette and selecting the action from the list.



Use the apply new action button to add the Mal's Buy Image Link action to an image.

Once applied you will be able to modify the action's setting by using the controls in the action's palette.



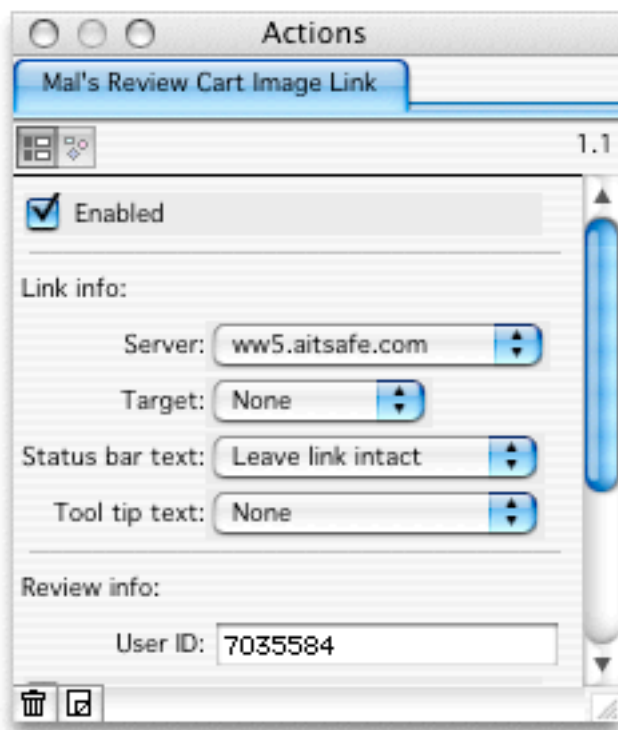
The Mal's Buy Image Link action interface (in part)

You will notice that the interface for this action is almost identical to that of the text link action we used in the previous example. The only difference between the two, in fact, is that you can't set the link text of an image link (for obvious reasons) and therefore this field is missing from the action interface.

Again, follow the steps outlined in the text link example. Set the `server` address, `User ID`, `Product name` and `Price`. For now that is all we are going to set in this basic example although the `Advanced Features` section later in this document outlines how you can use the rest of the features to enhance the buy link. Publish your page and, assuming you have a live internet connection, click on this image link to see the product automatically added to your Mal's shopping cart.

Creating Review Cart Links

We've seen how we can quickly and easily add items to our shopping cart by way of both text and image links but one thing we are still missing is a 'review cart' link. A review cart text or image link allows your site visitors to see the contents of the shopping cart without having to add further items to it. The Mal's Review Cart Text Link and Mal's Review Cart Image Link actions are almost identical in functionality to their 'buy' action counterparts that we've already seen. The only difference is that these actions do not contain any product information or price fields.



The Mal's Review Cart Image Link action interface (in part)

For a text based review link select your HTML text box and place the cursor where you want the review link to appear in the run of text. Select `Action Item > Mal's Review cart Text Link` from the Insert menu. Alternatively to set up an image based review cart link simply sketch a picture box to your Freeway page and either import your desired image. With the picture box selected add the Mal's Review Cart Image Link action to it by either selecting `Actions > Mal's Review Cart Image Link` from the Item menu or by clicking on the apply new action icon at the foot of the action's palette and selecting the action from the list. Once again in the actions palette

set the server address and User ID if not already set¹.

¹ When you first enter your server and user ID information into any of the Mal's actions they are stored in a document wide setting. This means that when you next add another Mal's action to your document it is these setting that are used by default. By automatically populating these settings you can concentrate on the values that change from item to item and not on those that remain the same throughout the site.



A Review Cart Image Link in action

Creating Simple Buy Forms

Functionally simple form items are very similar to the 'buy now' links we have seen on the preceding pages, except here the data is posted using an HTML form rather than a text or image link. Again, each button for a product adds that product to the cart, and as many products as you like can be put on a page this way.

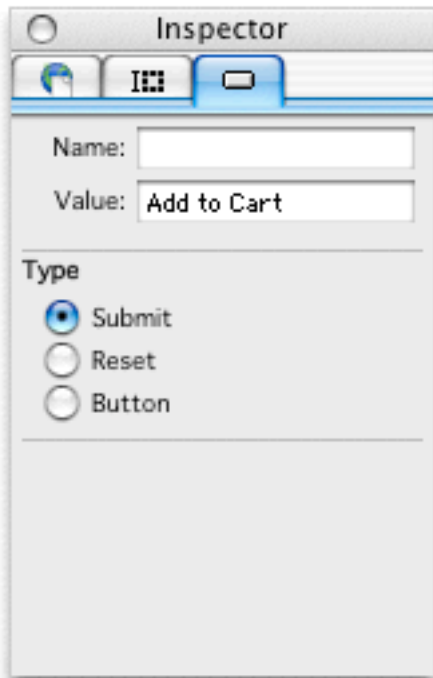


Using the form button tool

Using the form button tool from the tool palette sketch a button to your page

and add the Mal's Buy Button action to it by selecting `Actions > Mal's Buy Button` from the `Item` menu. Alternatively click on the `apply new action` icon at the foot of the action's palette and selecting the action name from the list.

Give the button a suitable title by clicking on the button tab of the inspector palette and add the text in the value field. You can leave the type as `submit` although the action will set this value regardless of what is set here.



Adding a value to the button using the Inspector palette

Set the `Server` address menu to the correct setting for your account. In the `Buy info` section of the action enter your user ID as well as the name of the item you are selling in the `Product name` field. Finally enter the price of the item in the `Price` field. Remember not to add anything other than a numerical value in here as the currency itself is set using the secure admin panel of the Mal's cart. Preview your site, click this button and the item will be added into your Mals cart.



The Mal's Buy Button action applied to a form button

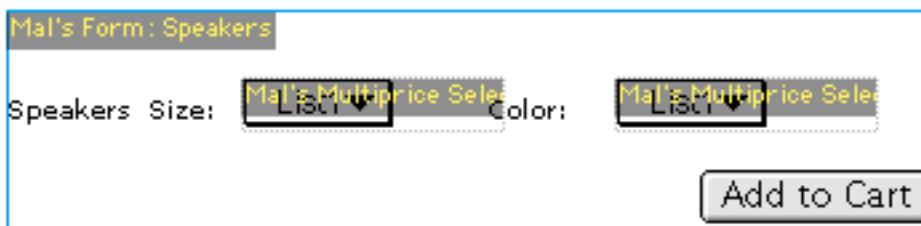
Creating Advanced Buy Forms

Unlike the examples we have seen so far advanced forms allow you to build a shopping cart solution specifically tailored to the needs of the item in question. Rather than adding single items to the cart one at a time advanced forms allow your shoppers to customize each item purchased to their own needs. For example you may want to let your shoppers specify the size or color of an item. With advanced forms you can do this and more.

Example 1: Single Product with Options

Either sketch an HTML text box or table from the tool palette and apply the Mal's Buy Form Setup action to it by either selecting Actions > Mal's Buy Form Setup from the Item menu or by clicking on the apply new action icon at the foot of the action's palette and selecting the action from the list. This text box or table will define the boundaries of the form and should enclose all of your form elements for this item.

Using the actions palette enter the `Server` address and `User ID` for this form. The product description and price is not required in the action as these, in this instance, are handled by the form elements we are about to add to this form.



Mal's Form : Speakers

Speakers Size:

Color:

The single product with options form items

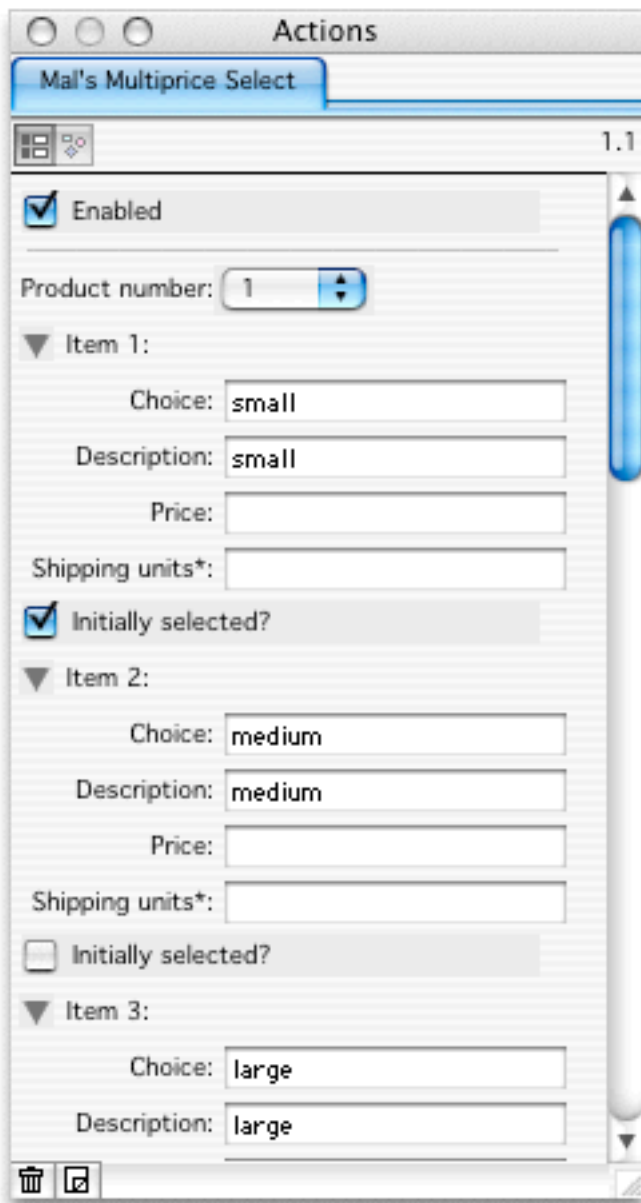
To this enclosing text box or table we are going to add two select lists that will define the products and options. The functionality you require from your final form item will define what form elements you use within this area.

In our example we will add two select lists by selecting Menu/List from the Insert menu for each item. Select each of these in turn and apply the Mal's Multiprice Select action.

Using the controls in the action palette set the `Product` number popup menu to 1. You can set this value from 1 to 30 and it denotes which product the

values below this control relate to.

Why would you want to set the product number to anything other than 1? By adding a number of multiprice selects to a form like this and setting their values in the actions palette you can build quite complex forms that, at the click of the submit button, will add anything up to 30 items to the user's shopping cart at any one time. Although adding such a high number of items in one hit like this is rather excessive it should illustrate just how complex and involved your buy forms can become should you wish.



The Mal's Multiprice Select action interface

For the moment we are going to use the `Item` sections of the action to fill in the options for this menu item. Under `Item 1` enter 'small' in the `Choice` field and 'small' again in the `Description` field. Repeat this technique for the next four `Item` blocks inserting 'medium', 'large', 'huge' and finally, 'painful' into the fields `Choice` and `Description`.

`Choice` is the text that will appear in the menu item and `Description` is the text that will appear in the shopping cart once the form has been submitted to the Mal's server.

It is in this action that you can also, optionally, set the price and shipping units for each item in the list. If, for example, your product is normally \$40.00 but the large size is \$45.00 then you would set the prices using this action rather than in the parent form item action. If all of the options are the same price then simply use the parent Mal's Buy Form Setup action to define a price for all of the options.

Click on the second of the two select lists as we are now going to add the values for that item in the actions palette.

Again select 1 as the `Product number` as these are settings are additions to the existing sizes we set previously in the first select list.

Add three products to this item by entering the options outlined in the following screen shot.

Technically the price isn't required in the `Choice` text field but is here as a courtesy to the buyer as without it they wouldn't know what the price is for the option.

What we have done here is to add the main products to the second select list with their associated descriptions and prices and have used the first select list for supplementary information - in this case the item size. We could have defined these select lists the other way around and got exactly the same results. As we saw earlier we could keep adding options to the form and as long as we define them as `Product 1` it will simply add another option to the same product. We could, for example, extend the current buy form to add a select list that allows the user to select a product color.

Finally add a standard form button to the text box (or table) and make sure that its type is set to `submit`.



Adding the product names & prices in the Mal's Multiprice Select action

Publish your site and try the form. Select the size and color of the speakers (if you are following our example) and click the Add to Cart button to see the item, and it's options, appear in the Mal's cart.

Example 2: Multiple Products by Quantity

Moving on from the first example in this example we are going to allow our buyers to select the number of items of each product they want to purchase.



The completed form from example 2

Start off by sketching an enclosing HTML text box big enough to hold your form elements and apply the Mal's Buy Form Setup action by selecting `Actions > Mal's Buy Form Setup` from the `Item` menu.

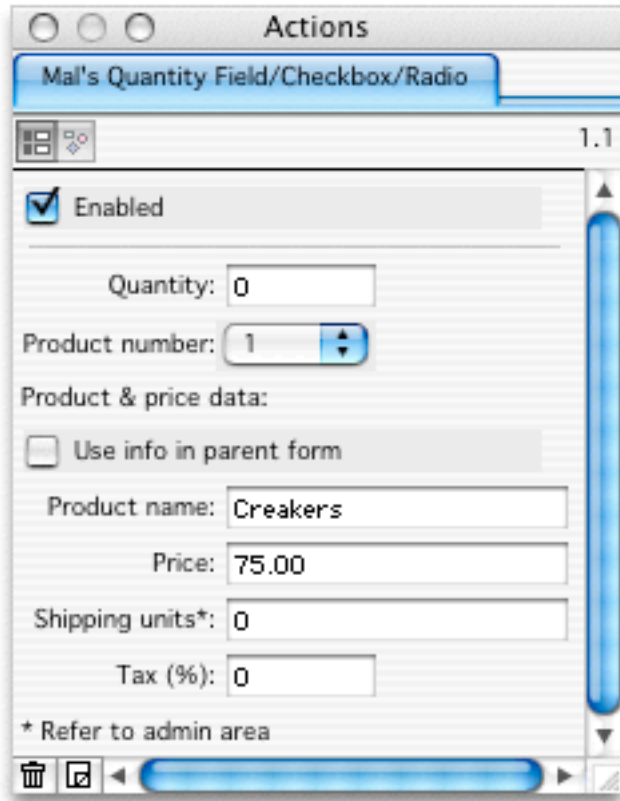
Using the actions palette enter the `Server` address and `User ID` for this form. Again the product description and price is not required in the action as these, yet again, are handled by the form elements we are about to add to this form.

Into this text box add a standard HTML text field by selecting the `Insert > Text Field` menu. To this apply the `Mal's Quantity Field/Checkbox/Radio` action item from the `Item > Actions` menu. As you might have guessed this action is specifically for applying to, and modifying, text fields, checkboxes and radio buttons.

In the action palette set the default quantity value for the text field in the `Quantity` field and the `Product` number. The checkbox `Use info in parent form` should be unchecked as we decided not to add the product information in there (the enclosing HTML text box) but to put in in using this action.

Add the `Product` name and `Price` to the action.

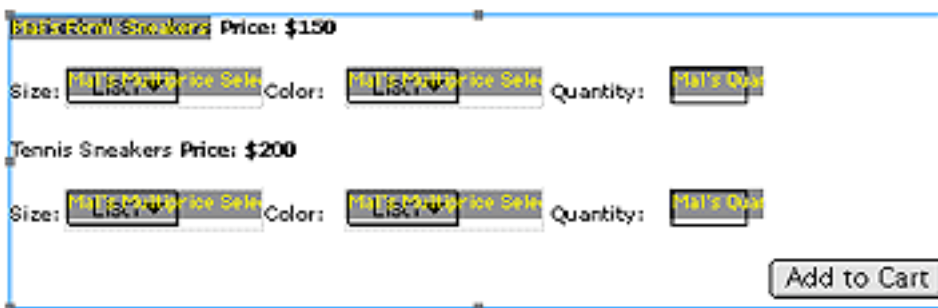
Repeat the process for the second quantity field but this time set the `Product` popup menu to 2 as we are defining the second product in the form. Again set the `Product` name and `Price` for this second item. Finally add a standard form button into the text box by selecting the `Button` item from the `Insert` menu. Preview the page, enter the quantities required and click on the `Add to Cart` button to see the item, and the correct quantities, appear in the Mal's cart.



The Mal's Quantity Field/Checkbox/Radio action interface

Example 3: Multiple Products with Options and Quantities

In this example we'll be moving on from the concepts we've explored in the previous examples by allowing the user to not only define the quantities but also a range of options for each item. These options can either be free or may add to the product's base price. For example a jacket may be available at \$50.00 in all sizes apart from extra large where it is sold for \$60.00. In this example we'll be looking at basketball sneakers in various sizes and colors.



The Multiple Products with Options and Quantities form from example 3

Once again start by sketching an enclosing HTML text box big enough to hold your form elements and apply the Mal's Buy Form Setup action by selecting `Actions > Mal's Buy Form Setup` from the `Item` menu.

Use the actions palette to enter your `Mals Server` address and `User ID` for this form. Unlike the previous example we are going to add the product description and price to this enclosing action item. This will have the effect of setting a base price and description for all the items this form contains. From here we can choose to override this base value at any point using any of the 'child' form elements should we wish.

We'll first add a simple line of text into this text box that tells the user the product name and price. Click inside the text box and enter "Basketball Sneakers **Price: \$150**".

On the next line enter "Size:" followed by a standard HTML select list by selecting the `Insert > Menu/List` menu item. Apply the Mal's Multiprice Select action item from the `Item > Actions` menu.

Using the controls in the action palette set the `Product number` popup menu to 1. You can set this value from 1 to 30 and it denotes which product the values below this control relate to. For the time being we'll be adding the details for the first product in this form. Set the `choice` and `description` in the action palette but leave the rest of the items empty as these values will be automatically picked up from the parent form item we've already set up. Adding values to any of these fields will override the value held in them parent form for this item only. So, for example, if the `Product number` popup menu is set to 1 and `choice` number one in your select list is priced at \$180.00 rather than the \$150.00 you set in the parent `Mal's Buy Form Setup` then this is the price this item will be set at. Be aware that the user will have no idea that this item is priced differently to any other option in this form **unless** you choose to tell them by using the `description` field of the Mal's Multiprice Select action.

Repeat the process by adding another select list to the text box for the color of the sneakers and again apply the Mal's Multiprice Select action item from the `Item > Actions` menu.

Finally (for this first product) add a standard HTML text field by selecting the `Insert > Text Field` menu. To this apply the Mal's Quantity Field/Checkbox/Radio action item from the `Item > Actions` menu. In the action palette set the default quantity value for the text field in the `quantity` field and set the `Product number` to 1. The checkbox `Use info in parent form` should be checked as we want this product information that we entered in the enclosing

HTML text box to be used.

OK, so we've successfully added the first pair of sneakers to this form and now need to repeat the process for the second pair. Rather than repeating the whole process over again it is a lot simpler, and quicker, to simply select everything in this text box with `Edit > Select All` and `Copy` and `Paste` this below product number 1.

Click on each of the form elements that make up product number 2 and set the `Product number` in the action's palette accordingly.

Because our tennis sneakers are more expensive than the basketball sneakers we'll have to modify the `Mal's Quantity Field/Checkbox/Radio` action applied to the quantity field at the end of this product. Simply select the quantity field and making sure the `Use info in parent form` checkbox is unchecked set the new `Product name` and `Price` in the action's palette.

Finally add a standard form button into the text box by selecting the `Button` item from the `Insert` menu.

Preview the page in any web browser, enter the quantities required and click on the `Add to Cart` button to see the item, and the correct quantities, appear in the `Mal's` cart.

Congratulations, you've managed to produce a multi-priced and multi-product buy form. So far we've seen how we can set up simple text links that allow your users to add items into their shopping carts right through to quite complex multi-option forms that allow users to mix and match items and configurations. In our last example we'll look at how you can easily add optional items to your buy forms using both checkboxes and radio buttons.

Example 4: Using Checkboxes and Radio Buttons

Many items you may want to sell can be easily paired up with other items to produce multi-buy offers. For example an online store selling hi-fi equipment may want to offer a pair of headphones at half price on purchases of certain CD players. The discounted headphones may be enough incentive for many to make the purchase and the retailer is able to make two sales rather than one with the only disadvantage being the profit margin being eaten into slightly.

If you've been following the previous examples then you'll begin to see that there is a pattern developing in creating these form items. Typically we would either sketch a `Mal's Buy Form Setup` action to the page or attach the action

to a table or HTML text box that will contain all of the form items for this purchase. The action itself holds all of the information in relation to the Mals user account, server address, etc. as well as any base price information. Any actions applied to the form elements within this area can either extend on this information or introduce new products, options or prices to the form. In practice the combination of form elements available for any one form are almost endless and it is often possible to find more than one way to produce the results you require using different form items or by setting them up slightly differently.

Start by sketching an enclosing HTML text box big enough to hold your form elements and apply the Mal's Buy Form Setup action by selecting `Actions > Mal's Buy Form Setup` from the `Item` menu.

Use the actions palette to enter your Mals `Server` address and `User ID` for this form. Add the product description and price to this enclosing action item. This will have the effect of setting a base price and description for all the items this form contains. From here we can choose to override this base value at any point using any of the 'child' form elements should we wish.

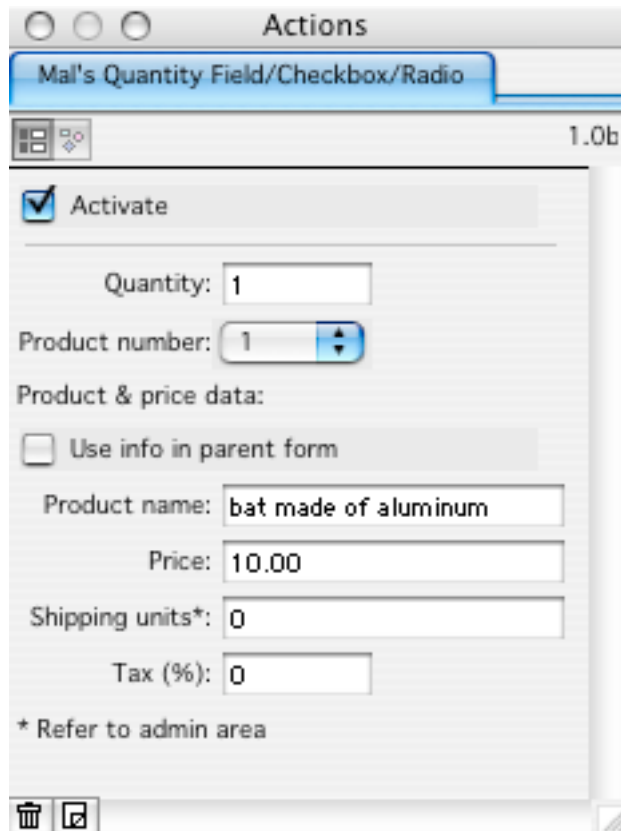
Insert a standard checkbox item into this form area by using the `Insert > Checkbox` menu item and apply the `Mal's Quantity Field/Checkbox/Radio` action to it. Using the controls in the action's palette enter the number of items to be purchased when the user selects this item in the `Quantity` field. Typically this will be one (and is probably the figure the user will assume) but can be any number you wish.

Set the product number to the product these settings relate to. To start with we'll set this to one but as you add more and more products to this form item you'll want to increase this value to prevent one product's details overwriting another.

In the `Product & price` data section of the interface make sure that the `Use info in parent form` checkbox is unchecked and proceed to enter the details for this product in the remaining fields in the action's interface.

Add any further form elements (checkboxes, select lists, text areas etc.) as your form requires applying the appropriate Mals actions to these as previously described.

Finally add a standard form button into the text box by selecting the `Button` item from the `Insert` menu. You will now be able to preview the page in any web browser and check your handy work.



The Mal's Quantity Field/Checkbox/Radio action interface

A Word About Security

I hope that we've demonstrated over the course of this document that setting up shop with Mal's and Freeway has never been easier or as faster to achieve. However, you will need to take precautions against those that would seek to tamper with your shopping cart code in the hope of purchasing your products or services at reduced rates.

To address this your Mal's online account offers an encryption option that, once switched on, will check the products match their correct values and decline the order if they do not.

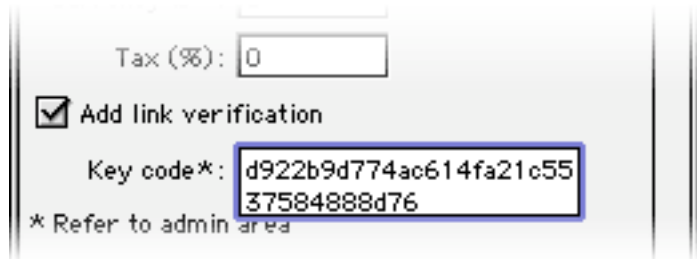
Once enabled the Mal's site will also allow you access to a small block of code called a hash key which you will need to make a note of. This is simply an encrypted password that contains information about your store.

By adding this key to your store pages via the actions it allows all of the links to be encoded transparently without any need for further intervention.

We **strongly suggest** that you enable the link encryption options in both

your Mal's admin area and the actions unless you are 'selling' free items such as product catalogues.

If the shopping cart receives an order where the information in the link or button does not match this hash code then the Mals shopping cart will simply refuse the order.



Tax (%):

Add link verification


Key code*:

* Refer to admin area

To have the actions encode the product links for you automatically you must first have the Link verification checkbox switched on and a valid hash code entered into the Key code text area.

Where do you get this key code? If you log into your secure administration section of the Mal's web site you will see an entry on the Shopping Cart Set-up page called Link verification (on the right hand side of the browser window). Clicking on this link will open up a page with options to turn link verification on and off as well as section called JavaScript Button Creator.

At the top of this page you will find a warning about how turning link verification on can mean a lot of extra work as all of your links will need to be encoded and that the code has to be exactly correct for the store to accept any orders. Although this is quite true for everyone else because we will be using the actions we can rest in the knowledge that the actions will be doing all of this hard work for us automatically.



VERIFYING LINKS Mal's e-commerce

If you are concerned that people might manipulate prices as they enter the cart you can use the hash verification function.

Please read the help file before you select this option because it will be a lot of work setting it up! It means that **ALL** your links that add items to the cart must include the hash verification field. Furthermore the hash has to be absolutely correct, otherwise the link will be rejected.

test all my links against the hash verification function.

Enabling link verification

Tick the `Test all my links...` checkbox and press the `Update Record` button. When the page reloads scroll down to the `JavaScript Button Creator` section at the foot of this page.



Javascript Button Creator

You can download your copy of the JS Button creator or the hash key generator using the forms below.

Hash generator on it's own
 With JS Button creator
 Hash secret on it's own

Secure password

GET VALIDATOR

Getting the key (or hash) code

Here we want to click on the `Hash secret on it's own` option. After entering your password and clicking on the `Get validator` button a new window will open with a single line of text in it containing your hash key code.

It should look something like this;

```
Hash Secret key for 1234567: 0ff541245d58fg54f7c2d3cf444cd9974c2
```

Save this file for later reference and keep it safe as you will need it while working with this store.

Enter this code (the part between the `:` and the end of the line) in the `Key code` text entry field in the action and press return. The action will now automatically encode the links generated for this item without further intervention.

Gallery

Listed below are just some of the ever growing number of sites that have made great use of these actions to build great looking online stores.

- Art B Arts [<http://www.artbarts.com/>]
- Beyond Blossoms [<http://www.beyondblossoms.com/>]
- Nixx Clothing [<http://www.nixxclothing.com/>]

- Whizz Ink [<http://www.whizzink.co.uk>
or
<https://coconut.sslsecuredsite.com/whizzink%2Dco%2Duk/>]

If you would like to see your Mals enabled sites listed here and showcased on our web site feel free to get in touch (see below).

Further information

For more information about these, or other, actions for Freeway as well as updates and additional features please see our web site at;
<http://www.freewayactions.com/>

Everything we do is driven by the needs of our users so if there is something missing, unclear, or simply incorrect we want to hear about it.
Use the contact form on our web site at;
<http://www.freewayactions.com/contact>

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