



Community Experience Distilled

Learning Magento Theme Development

Create visually stunning and responsive themes to customize the appearance of your Magento store

Richard Carter

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BIRMINGHAM - MUMBAI

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In particular, my thanks are due to Matthew, who has kept Peacock Carter on track while I was focusing on this book! Also, thanks to my family and friends, and Anna, whose constant support is much appreciated.

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I would like to thank my friend and colleague Vedran Subotić, one of the best Magento experts you can find, for his helping hand in the process of reviewing this book and for the way he's always ready to collaborate and put his awesome backend skills to work towards achieving awesome Magento projects and making the most of the framework.

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Preface

Magento is now the most popular e-commerce platform in the world, and distinguishing your store from others has become more important than ever.

This book introduces Magento theming to web designers and developers with a basic understanding of HTML and CSS upwards, who want to discover the secrets of theming Magento for both client projects and their own projects.

What this book covers

Chapter 1, Introduction to Magento and Magento Themes, provides an introduction to the topic, including exploring what a Magento theme is, Magento theme terminology including Templates, Layouts, and Skins, and the Magento theme hierarchy.

Chapter 2, Magento Theming Basics, gets you started with your new Magento theme, from enabling a new theme in Magento to changing the logo, customizing the product watermark images, disabling Magento's caches, and using Magento's Template Path Hints tool, as well as creating a new Magento theme.

Chapter 3, Magento Templates, provides simple layout styling for your Magento theme, customizing your store's header and footer, and the search box, and covers how to add a static block to a template, as well as styling your checkout and cart page.

Chapter 4, Magento Layout, looks at adding a local.xml file to your theme, changing the default page template, adding a static block to a page using the Magento layout, changing the order of blocks in Magento's sidebar using layout, removing unnecessary blocks in Magento's sidebar, and adding a new products list to your store's home page.

Chapter 5, Social Media and Magento, covers integrating a Twitter feed with your Magento store, integrating a Facebook page with your Magento store, including social share buttons on your product pages to help increase your store's reach, and integrating product videos from YouTube with product listings.

Chapter 6, Advanced Magento Theming, explores adding a custom print style sheet for your Magento store, using locales to translate labels/phrases in your store, using @ font-face in Magento, styling Magento's layered navigation, creating a custom 404 "not found" error page, and using microformats for rich snippets to enhance search engine listings.

Chapter 7, Magento Theming for Mobile and Tablet Devices, walks the reader through how to use CSS media queries to create breakpoints for different device widths, making images responsive to your Magento theme, developing responsive navigation for your Magento theme, and adding mobile home page icons for Windows and Apple devices to your Magento theme.

Chapter 8, Magento E-mail Templates, covers hanging the default e-mail template logo to altering colors of the e-mail templates and altering variables in Magento e-mail templates, as well as adding static block content to your Magento e-mail templates.

What you need for this book

You will need access to a working installation of Magento Community Edition 1.8 or newer, and your preferred code-editing software.

Who this book is for

If you are a web designer or web developer who is familiar with XML, HTML, and CSS, who wants to learn the fundamental building blocks of creating a Magento theme, this book is for you. A basic understanding of PHP is helpful but not required.

Conventions

In this book, you will find a number of styles of text that distinguish between different kinds of information. Here are some examples of these styles and an explanation of their meaning.

Code words in text, database table names, folder names, filenames, file extensions, pathnames, dummy URLs, user input, and Twitter handles are shown as follows:
"In Magento, skin files are located in the /skin/frontend/ directory."

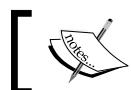
A block of code is set as follows:

```
* {  
margin:0;  
padding:0;  
}  
img {  
border:0;  
vertical-align:top;  
}  
a {  
color:#1e7ec8;  
text-decoration:underline;  
}
```

When we wish to draw your attention to a particular part of a code block, the relevant lines or items are set in bold:

```
* {  
margin:0;  
padding:0;  
}  
img {  
border:0;  
vertical-align:top;  
}  
a {  
color:#1e7ec8;  
text-decoration:underline;  
}
```

New terms and important words are shown in bold. Words that you see on the screen, in menus or dialog boxes for example, appear in the text like this: "You might notice that there are many superfluous blocks in the sidebar, such as the **BACK TO SCHOOL** and **COMMUNITY POLL** blocks, which would not be required on a usual e-commerce website."



Warnings or important notes appear in a box like this.



Tips and tricks appear like this.

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1

Introduction to Magento and Magento Themes

Magento is a popular, enterprise-level open source e-commerce platform used by hundreds of thousands of e-commerce businesses around the world. With ever increasing numbers of online stores competing for customers and income, it can pay off to invest in customizing your Magento store to set it apart from hundreds and thousands of other stores, and developing a custom Magento theme is the way to achieve this.

In this chapter, you will learn the following topics:

- What a Magento theme is and what Magento themes can do
- An overview of the default Magento themes in Magento
- An introduction to the Magento theme terminology
- How the Magento theme hierarchy works

What is a Magento theme?

A Magento theme is simply a collection of files that tells Magento how to display your store to visitors. A Magento theme can consist of a collection of CSS, HTML, PHP, XML, and images, all of which contribute to the look and feel of your store.

Due to Magento's architecture and the design interface's hierarchy, Magento will fall back to base theme (discussed later in this chapter) that contain the files it requires if they are not present in the current theme. A Magento theme can consist of one or more of the previously mentioned files. It could be as simple as a logo file with the rest of your store's styling provided by a parent theme.

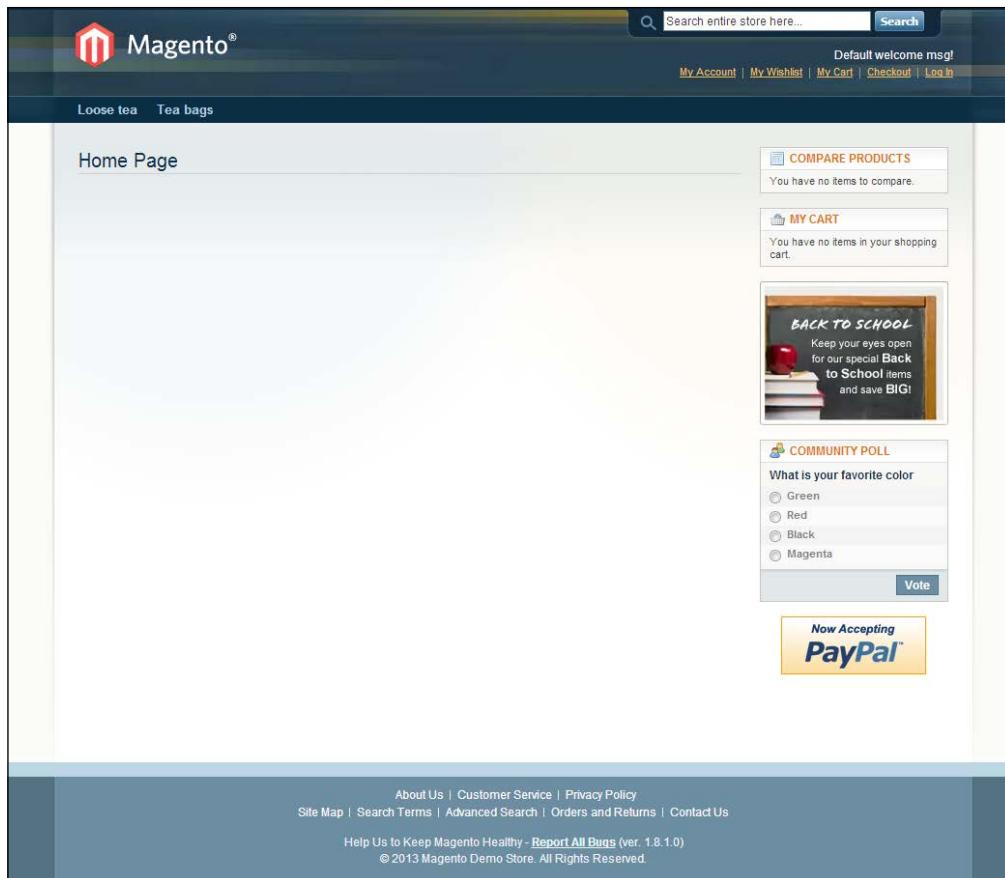
Magento's default themes

In Magento Community Edition 1.8, Magento provides the following four themes:

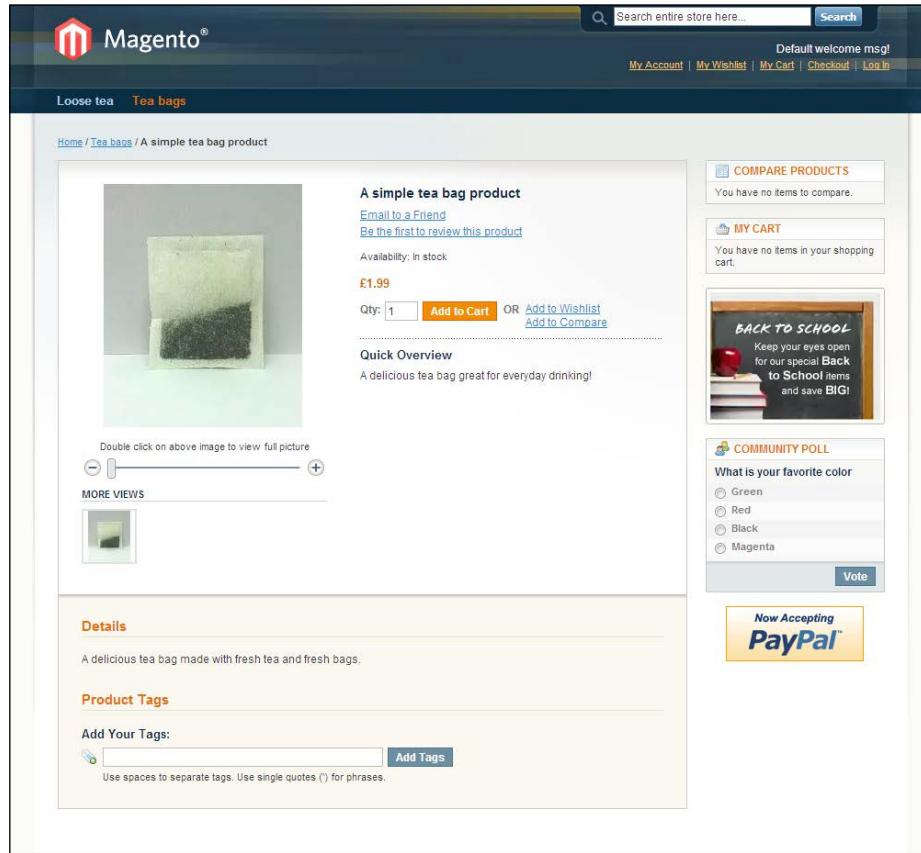
- Default
- Blank
- iPhone
- Modern

The default theme

Magento's default theme is perhaps, unsurprisingly, the theme that is enabled by default when you first install Magento, encompassing a clear header area with a search field and drop-down navigation for categories to be listed, a content area with sidebar(s), and a footer, as shown in the following screenshot:



The default theme's product page layout retains the header and footer styling of the home page layout, but the central content area is adapted to present the product information to customers, as shown in the following screenshot:



As you can see in the preceding screenshot, the product page provides a product image with the name, a brief description, and the price of the specific product towards the top of the page. Then, a more detailed description is provided in the next block.

 You might notice that there are many superfluous blocks in the sidebar, such as the **BACK TO SCHOOL** and **COMMUNITY POLL** blocks, which would not be required on a usual e-commerce website. These blocks help showcase how powerful Magento is to new developers and can be removed fairly easily.

The category page layout

One of the next key views for your Magento store is the category page layout, which presents all the products grouped within a particular product category, as shown in the following screenshot:

The screenshot shows a Magento category page for 'Tea bags'. At the top, there's a navigation bar with links for 'Search entire store here...', 'Search', 'Default welcome msg!', 'My Account', 'My Wishlist', 'My Cart', 'Checkout', and 'Log In'. Below the navigation, the breadcrumb trail shows 'Loose tea > Tea bags'. The main content area is titled 'Tea bags' and displays two items: 'A simple tea bag product' and 'Another simple tea bag product'. Each item has a thumbnail, a title, a price (£1.99 or £2.99), and three action buttons: 'Add to Cart', 'Add to Wishlist', and 'Add to Compare'. To the left of the main content, there's a 'Did you know?' sidebar with a dog image and contact information. Below it is a 'NEWSLETTER' sign-up form. To the right, there are several sidebar modules: 'COMPARE PRODUCTS' (empty), 'MY CART' (empty), 'RECENTLY VIEWED PRODUCTS' (empty), a 'BACK TO SCHOOL' promotional banner, and a 'COMMUNITY POLL' asking 'What is your favorite color' with options for Green, Red, Black, and Magenta, and a 'Vote' button. A 'PayPal' payment method logo is also present.

The list mode layout

Magento presents products in two ways: in a grid (as shown in the preceding screenshot) and as a list, which you can select by clicking on the **List** option in the product grid, as shown in the following screenshot:



The screenshot shows the 'Tea bags' product grid in List mode. At the top, there are filters for 'Show 9 per page' and 'Sort By Position'. Below these, the 'View as' dropdown is set to 'List', which is highlighted with a red box. The grid displays two products:

	<u>A simple tea bag product</u> £1.99 Add to Cart Add to Wishlist Add to Compare		<u>Another simple tea bag product</u> £2.99 Add to Cart Add to Wishlist Add to Compare
2 Item(s)		Show 9 per page	
View as: Grid List		Sort By Position ↑	

Introduction to Magento and Magento Themes

In the list mode, products within the selected category are displayed one above the other, as shown in the following screenshot:

The screenshot shows a Magento storefront with a dark blue header. The top navigation bar includes links for 'Search', 'My Account', 'My Wishlist', 'My Cart', 'Checkout', and 'Log In'. A 'Default welcome msg!' message is displayed. The main content area shows a category page for 'Tea bags' under 'Loose tea'. The page displays two products: 'A simple tea bag product' and 'Another simple tea bag product'. Each product listing includes a thumbnail image, price (£1.99 or £2.99), an 'Add to Cart' button, and links for 'Learn More', 'Add to Wishlist', and 'Add to Compare'. On the left side, there's a 'Did you know?' sidebar with a dog image and a newsletter sign-up form. On the right side, there are modules for 'COMPARE PRODUCTS', 'MY CART', 'RECENTLY VIEWED PRODUCTS', and a 'COMMUNITY POLL' asking about favorite colors.

Checkout

Finally, Magento's famous one-page checkout provides a well-structured checkout process for your customers, as shown in the following screenshot, maintaining the default theme's overall character:

The screenshot shows a Magento 1.8 checkout process. The top navigation bar includes links for 'My Account', 'My Wishlist', 'My Cart (1 item)', 'Checkout', and 'Log In'. A search bar is also present. The main content area is titled 'Checkout' and displays the second step, 'Billing Information'. The form fields include:

- First Name *: Richard
- Last Name *: Carter
- Company: (empty)
- Email Address *: (empty)
- Address *: My address
Address details:
- Newcastle upon Tyne (City)
- Please select region, state or province (State/Province dropdown)
- United States (Country dropdown)
- Zip/Postal Code: (empty)
- Telephone *: (empty)
- Fax: (empty)
- Shipping options:
 - Ship to this address
 - Ship to different address

At the bottom right of the form are buttons for 'Required Fields' and 'Continue'.

To the right of the form, a sidebar titled 'YOUR CHECKOUT PROGRESS' lists the following steps:

- Billing Address
- Shipping Address
- Shipping Method
- Payment Method

The sidebar also lists the remaining steps in the process:

- 3 Shipping Information
- 4 Shipping Method
- 5 Payment Information
- 6 Order Review

Next, you will see the additional Magento themes that come with Magento Community Edition 1.8 to cater to different needs for both customers and developers.

The blank theme

The blank theme, as its name suggests, provides a very minimal approach to a Magento theme to allow a custom Magento theme to be built upon it, maintaining a layout that is similar to Magento's default theme but stripping the visual styles, as shown in the following screenshot:

The screenshot shows a product page for a 'simple tea bag product'. At the top, there is a navigation bar with links for 'Search', 'Default welcome msg!', 'My Account', 'My Wishlist', 'My Cart', 'Checkout', and 'Log In'. Below the navigation, the main content area has a header 'Loose tea Tea bags' and a breadcrumb trail 'Home / Tea bags / A simple tea bag product'. The central part of the page features a large image of a tea bag, with a message below it: 'Double click on above image to view full picture'. To the right of the image, there is a 'Quick Overview' section with the text 'A delicious tea bag great for everyday drinking!'. Below the image, there are buttons for 'Add to Cart', 'Add to Wishlist', and 'Add to Compare'. On the left side, there is a 'More Views' section showing a smaller thumbnail of the tea bag. On the right side, there are three sidebar modules: 'Compare Products' (which says 'You have no items to compare.'), 'My Cart' (which says 'You have no items in your shopping cart.'), and 'Recently Viewed Products' (which lists 'Another simple tea bag product'). At the bottom right, there is a 'Community Poll' section asking 'What is your favorite color?' with options for Green, Red, Black, and Magenta, and a 'Vote' button. At the very bottom, there is a 'PayPal' payment method indicator.

The iPhone theme

The iPhone theme provides a more mobile-friendly theme for your Magento store, which can be switched on and off for specified devices. This view of the home page with the iPhone theme shows you how content is streamlined and slimmed down to help present the most relevant information to your customers on devices with limited screen space available, as shown in the following screenshot:



The modern theme

Finally, the modern theme provides a full-fledged Magento theme that can be used as an alternative to the default theme, with a more contemporary look, as shown in the following screenshot:

The screenshot shows a product page for a tea bag. At the top, there's a navigation bar with links for 'LOOSE TEA' and 'TEA BAGS'. The main content area displays a large image of a tea bag. To the left of the image is a sidebar with 'COMPARE PRODUCTS' (empty) and 'MY CART' (empty). To the right of the image, the product details are listed: 'A simple tea bag product', 'Email to a Friend', 'Be the first to review this product', 'Availability: In stock', and the price '£1.99'. Below the price is an 'ADD TO CART' button with a quantity selector set to '1'. There are also 'Add to Wishlist' and 'Add to Compare' options. A 'Quick Overview' section notes that it's a 'delicious tea bag great for everyday drinking!'. At the bottom of the page, there are tabs for 'Product Description' (which is active) and 'Product Tags'. The footer contains links for 'About Us', 'Customer Service', 'Privacy Policy', 'Site Map', 'Search Terms', 'Advanced Search', 'Orders and Returns', and 'Contact Us'. It also features a newsletter sign-up form, a phone number '(555) 555-0123', and a 'REQUEST A CATALOG!' button with a 'FALL 2008' graphic.

These themes show you just the surface of the potential customizations you can make to your Magento store, and this book will guide you through some of the common changes made to Magento stores as well as some less common alterations you can make to improve your Magento theme.

Magento terminology

As with many other open source technologies, Magento comes with its own terminology, which can be baffling to unfamiliar developers. This section identifies and defines some of the commonly used terms in the Magento theme development.

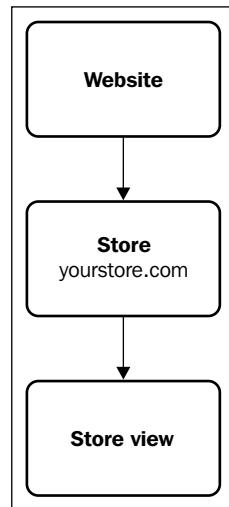
Scope in Magento

Magento has the following four levels of scope that help define the level in your Magento store(s) at which settings are applied:

- **Global:** This refers to settings that affect the entire Magento installation.
- **Website:** This acts as the parent entity for one or more stores in the Magento terminology. Websites can be configured to share the customer data or not share any data at all.
- **Store (or store view group):** These are the hierarchical children of Magento websites. Products and categories are managed at Magento's store level. A root category is configured for each Magento store, allowing multiple stores under the same website to have totally different catalog structures.
- **Store view:** A store needs one or more store views to appear in the frontend to customers so they are able to browse your store. The store view inherits the store's category and product information, and so the changes at the store view level are typically only cosmetic, changing the way the data is presented. The most common and likely implementation of multiple store views is to allow customers to navigate between two or more languages.

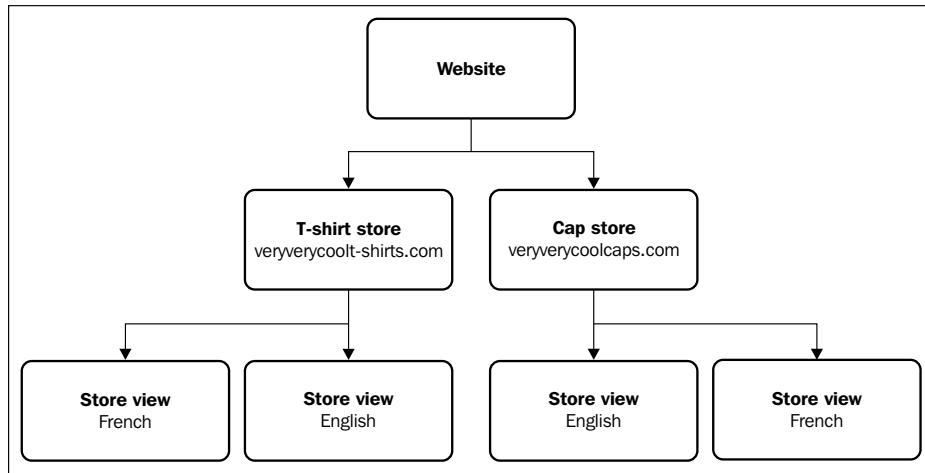
Magento websites, stores, and store views

It is possible to run many different e-commerce stores from one Magento installation, and it's also possible to run separate stores on the same website (for example, a consumer store and a trade store that offers discounts to trade customers). The simplest of Magento websites, however, consists of a single website with a single store and single store view as follows:



Using multiple stores in Magento

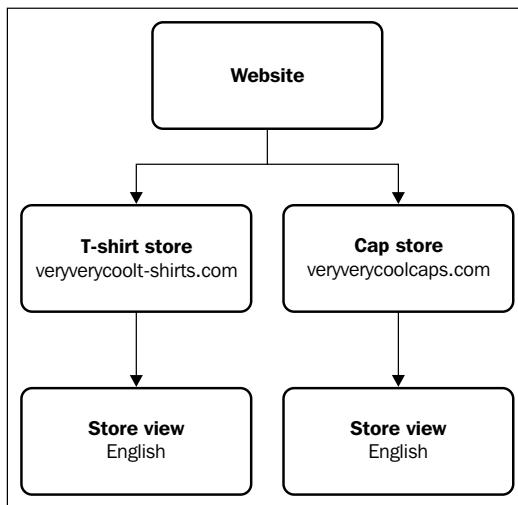
The most common use of multiple stores in Magento is to build separate stores with their own inventories. For example, you could have one store, `veryverycoolt-shirts.com`, to sell t-shirts, and another, `veryverycoolcaps.com`, to sell baseball caps through the same installation of Magento. The following diagram illustrates the structure of how this would be created using Magento websites, stores, and store views:



You can choose whether the stores share the customer data or whether each store has its own customer data, requiring customers to register separately if they want to order from both the t-shirt store and cap store.

Using multiple store views in Magento

You can make use of multiple store views in Magento to customize how a store is presented; this is typically used to present the same store in multiple languages. In the following diagram, both stores have a French and English version, created at the Magento store view level:



Magento allows the following two types of themes:

- A parent theme that contains all the files that are required to be run by Magento
- A child theme contains one or more files. Where a file isn't overwritten; Magento will look for the file in the parent theme

A parent theme is useful when you want to create a highly customized Magento theme from the standard themes that Magento has installed. Child themes are of use when you only want to make fairly minor amendments to your theme.

Magento theme files

As you have already seen, Magento themes use a number of different types of files to change how your e-commerce website is displayed to your customers. The following four groups of files are associated with Magento themes:

- Skin files
- Layout files
- Template files
- Locale files

Skin files

Skins encompass the files that you would associate with a website's design: the CSS, images, and JavaScript your theme requires in order to display your store.

In Magento, skin files are located in the `/skin/frontend/` directory. Magento's base skin files are stored in the `/skin/frontend/base/default` directory of your Magento installation, while theme files, which you would typically edit for custom themes that you create, would be included in the `/skin/frontend/name-of-your-package/name-of-your-theme/` directory.

In the examples used in this book, you will be building a theme in the default package, so your skin directory will look like this: `/skin/frontend/default/name-of-your-theme/`.

Layout files

Magento uses XML layout files in its themes to inform Magento about which blocks are displayed where in the page and in what order, for example, the **MY CART** and **COMPARE PRODUCTS** widgets that use Magento's default theme, as shown in the following screenshot:



The Magento layout can also be used to add and remove CSS and JavaScript files as well as other elements from the `<head>` element of your Magento theme and alter the order and location of the links.

Magento's base layout files are stored in the `/app/design/frontend/base/default/layout` directory of your Magento installation, while your custom theme's layout files can be found in the `/app/design/frontend/name-of-your-package/name-of-your-theme/layout` directory.

In the examples used in this book, you will be building a theme in the `default` package, so your application directory will look like this: `/app/design/frontend/default/name-of-your-theme/`.

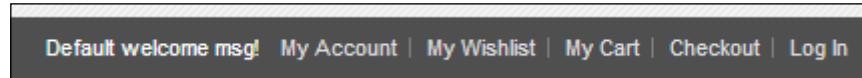
Template files

Magento's template files (which use the `.phtml` file extension to indicate a mixture of PHP and HTML) provide your Magento theme with a way to generate the HTML for your store's pages using the data and content stored within Magento.

Magento's base template files are stored in the `/app/design/frontend/base/default/template` directory of your Magento installation, while your custom theme's layout files would be found in the `/app/design/frontend/default/name-of-your-theme/template` directory.

Locale files

Finally, Magento's locale files help you customize the text in the interface elements of your Magento store, such as the text used as links in the userbar for your store, as shown in the following screenshot:



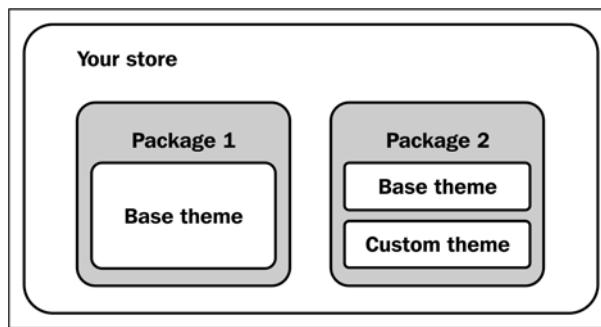
A Magento locale file can also be used to provide a translation of your store's elements to French, or even just American English to British English. In the preceding example, a locale file might change the **My Cart** link to **My Basket**, for instance.

The content of pages and products of your store can be translated by creating new products and pages in your new store's language within the store view for that particular language.

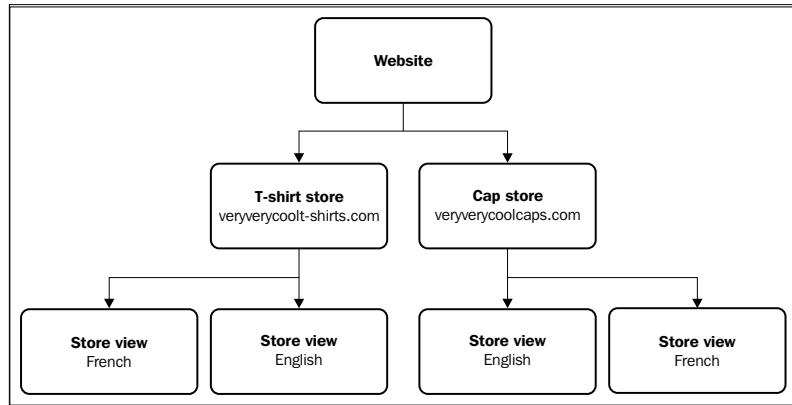
Magento locale files are stored in the `/app/design/frontend/base/default/locale` directory, with locale files specific to your theme being stored in the `/app/design/frontend/name-of-your-package/name-of-your-theme/locale` directory. Translations are stored in a `translate.csv` file; for example, `/app/design/frontend/default/name-of-your-theme/locale/en_GB/translate.csv` contains the translations for British English for that particular theme.

Packages

In Magento theming, a package typically encapsulates a default theme that contains all of the skin, template, layout, and locale files Magento needs to render the website. It might also contain another non-default theme that customizes the look and feel of the website on top of the base theme, as illustrated in the following diagram:

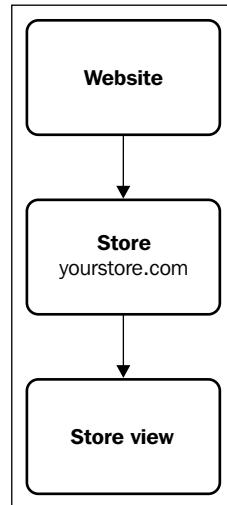


Assigning a package at the website level means that all the stores under that store level inherit that package. This would simply apply the theme to all of the stores assigned to that particular website in Magento. So, by assigning a theme at the website level in the following diagram, the **Cap store** and the **T-shirt store** would inherit the same theme, unless it was specifically overwritten at the individual store view level:



Magento theme hierarchy

Magento has a hierarchy in place for its themes, which tells the system where to look for files if multiple themes are active on different stores on your website. As an example, think about a simple Magento store setup like the one you saw earlier, as demonstrated in the following diagram:



Now, imagine that your store has a theme called `newtheme` installed at the store view level. The Magento theme here requests a file called `styles.css` in the most specific interface and package first, so if you have a custom theme enabled, Magento will look in `/skin/frontend/default/newtheme` first. If it's not found in these directories, Magento looks in the default interfaces next: `/app/design/frontend/default/default` or `/skin/frontend/default/default`. Next, Magento will look in the base directories: `/app/design/frontend/base/default` or `/skin/frontend/base/default`. If the specified file is not found after that, Magento will encounter a rendering error.

So, the deeper down the hierarchy tree of themes the file is, the more specific it is and the more precedence it takes over other more general files.

Summary

This chapter provided you with an introduction to both Magento and Magento's themes as well as giving you an overview of what already exists in terms of the themes that ship with Magento by default. You have seen what comprises a Magento theme, some of the existing themes available with Magento 1.8, common theme terminology used in Magento, and how the Magento theme hierarchy works.

2

Magento Theming Basics

Now that you've been introduced to the concepts behind Magento and Magento themes, the real work begins. This chapter covers the basics of getting up and running with a new Magento theme. This includes:

- Creating a new Magento theme
- Enabling the theme on your Magento store
- Changing your store's logo
- Changing the theme's favorites icon
- Customizing Magento's product watermark images
- Customizing Magento's product placeholder images
- Developer tools: Template Path Hints

Creating a new Magento theme

As you saw in *Chapter 1, Introduction to Magento and Magento Themes*, a Magento theme can encompass very few files or a large number of files.

Firstly, create the new directories in your Magento installation to contain your new theme's files:

- app/design/frontend/default/m18/template
- app/design/frontend/default/m18/layout
- app/design/frontend/default/m18/locale
- app/design/frontend/default/m18/etc
- skin/frontend/default/m18/css
- skin/frontend/default/m18/images
- skin/frontend/default/m18/js

Once you have created these directories, you can create a file called `styles.css` in the `skin/frontend/default/m18/css` directory. To be able to test that your new skin is enabled, add the following to your `styles.css` file:

```
body {  
background: red;  
}
```

Downloading the example code



You can download the example code files for all Packt books you have purchased from your account at <http://www.packtpub.com>. If you purchased this book elsewhere, you can visit <http://www.packtpub.com/support> and register to have the files e-mailed directly to you.

Your next step is to enable your newly created Magento theme!

Enabling a Magento theme

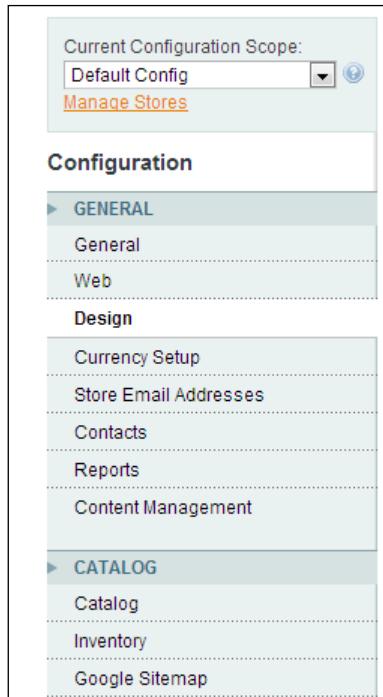
Now that you have the bare bones of your new Magento theme ready, you can enable your Magento theme. Log in to your Magento store's administration panel and navigate to the **System | Configuration** menu, as shown in the following screenshot:





Magento's administration panel is located at `example.com/admin` if you have installed Magento at `example.com`.

Once there, select the **Design** tab that has appeared in the left-hand column of the screen, keeping the **Current Configuration Scope** drop-down menu's value set to **Default Config**:

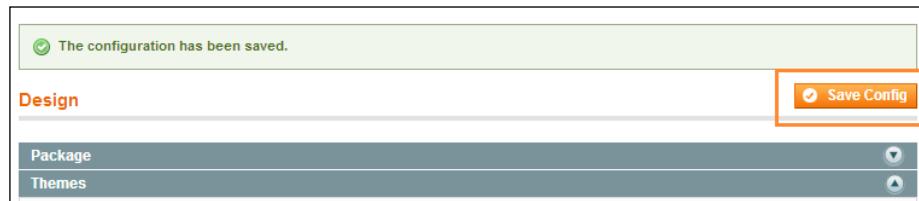


Magento Theming Basics

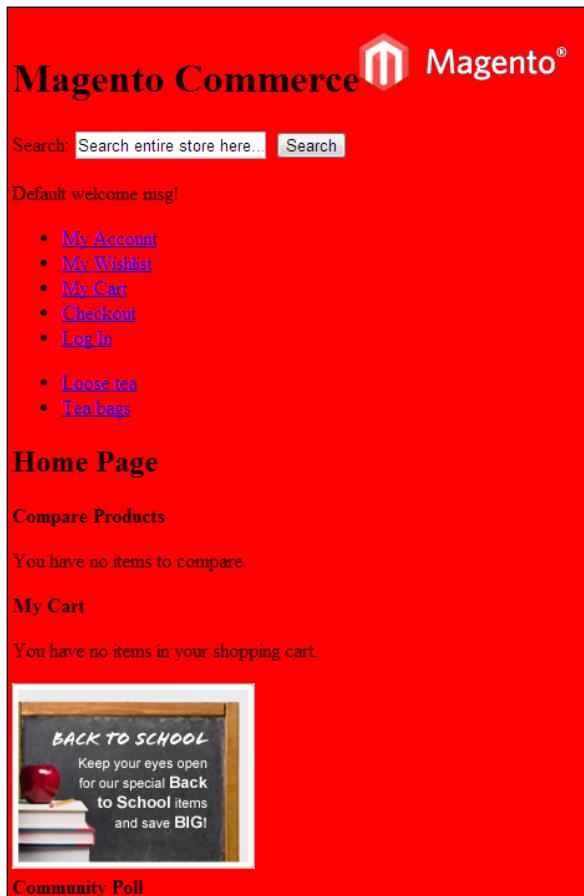
Next, expand the **Themes** section of the **Design** settings panel and enter the name of your Magento theme for the **Default** field here. In the following example, `m18` is used as the name of the new Magento theme you are enabling:

The screenshot shows the 'Design' settings panel in the Magento Admin. Under the 'Themes' tab, the 'Default' theme is selected and set to 'm18'. There are several other configuration fields for Translations, Templates, Skin (Images / CSS), and Layout, each with an '[STORE VIEW]' link and an 'Add Exception' button.

Once you have done this, you need to click on the **Save Config** button in the top-right of the screen, after which you will see the **The configuration has been saved** success message, as shown in the following screenshot:



That's it! Your new Magento theme has been enabled. To test this, visit the frontend customer-facing side of your Magento store and refresh the page. You should be able see that the `styles.css` file removes all of the styles from the previously enabled theme and presents you with a rather unattractive screen, as shown in the following screenshot:



You can remove the `styles.css` file for now to return to Magento default theme styling; we will come back to customizing your theme's CSS in the later chapters.

Changing your Magento store's logo

The next task you will perform in order to customize your Magento store's look and feel is to change your Magento theme's logo. Firstly, you will need to upload your store's logo file to your store, in the `/skin/frontend/default/m18/images` directory of your Magento installation.

Now, log in to your Magento store's administration panel and navigate to **System | Configuration**, and then to the **Design** tab. Expand the **Header** panel as shown in the following screenshot, and enter the value of your logo file's name and your theme's image directory. In this case, the example uses `images/logo.png` because the theme's logo file is stored at `/skin/frontend/default/m18/images/logo.png`.

The screenshot shows the 'Design' configuration page in the Magento Admin Panel. The 'Header' section is expanded, displaying three configuration fields:

Setting	Value	Action
Logo Image Src	<code>images/logo.png</code>	[STORE VIEW]
Logo Image Alt	<code>M18 Tea Shop</code>	[STORE VIEW]
Welcome Text	<code>Default welcome msg!</code>	[STORE VIEW]

Below the Header section, other collapsed sections include Footer, Product Image Watermarks, Pagination, and Transactional Emails.

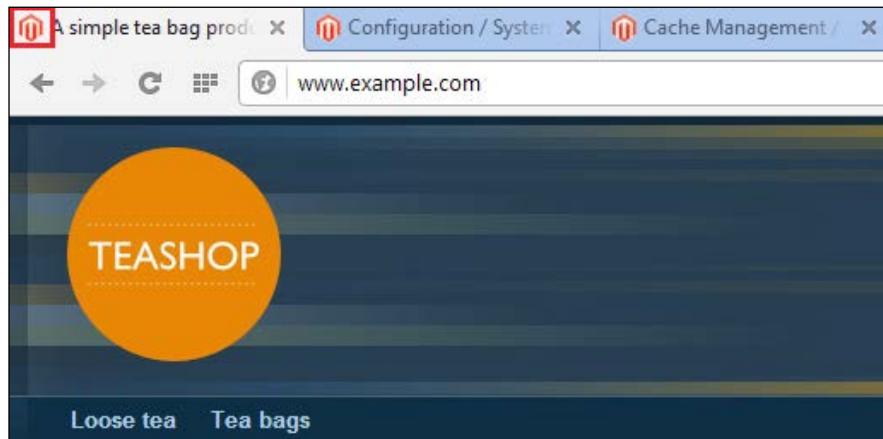
Click on the **Save Config** button in the top-right corner of the screen to save these changes. After refreshing your store, your new logo should appear in place of the default Magento logo:



[ If you haven't created your own categories in your store yet, you may see Magento's sample category data appear in this menu or no categories at all. To add categories to your store, navigate to **Catalog | Manage Categories** in your Magento store's control panel.]

Customizing your store's favorites icon (favicon)

Alongside your logo, you can use your store's favorites icon (**favicon**) to help distinguish yourself from other websites. The favicon is typically displayed in your browser's address bar and tabs, as seen in the following screenshot in the top-left of the screenshot:



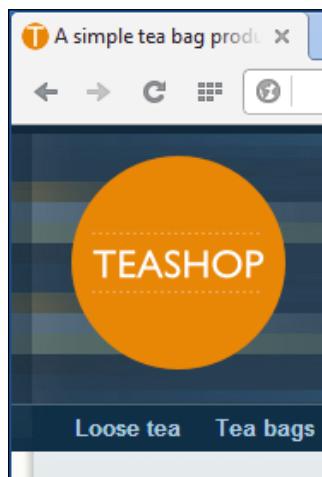
To change your store's favicon from the default Magento favicon, you will need to create a `favicon.ico` file.



You can create `favicon.ico` files using free online tools such as the one at <http://tools.dynamicdrive.com/favicon/>.



Once you have your `favicon.ico` file ready, upload it to your Magento installation's `/skin/frontend/design/default/your-theme-name/` directory. In the example theme, this would be `/skin/frontend/default/m18/`. You will now be able to see your custom favicon appear for your store, as shown in the following screenshot:



It's also worth checking the guide on adding home icons and other mobile and handheld-device specific icons to your Magento theme, covered in *Chapter 7, Magento Theming for Mobile and Tablet Devices*.



Customizing Magento's product watermark image

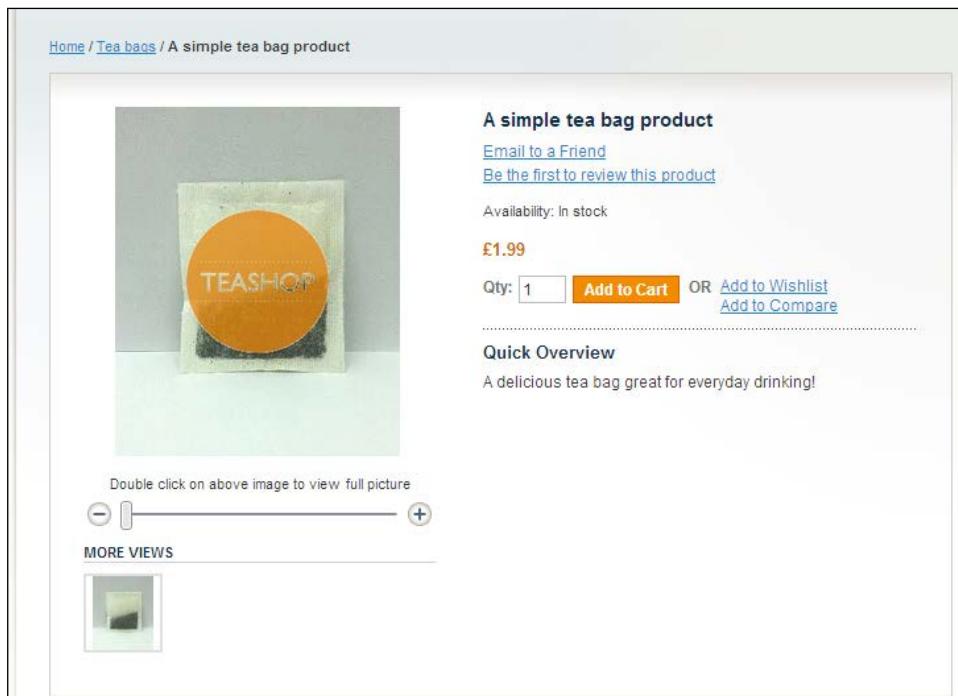
Some stores like to watermark their images to promote brand consistency across their websites, or to protect their product photography from being used without permission on other websites.

Magento allows you to specify a watermark image to overlay product photographs in your store. To change this, you can navigate to **System | Configuration** in your Magento store's administration panel. From there, navigate to the **Design** tab on the left-hand side, and then expand the **Product Image Watermarks** panel, as shown in the following screenshot:

Product Image Watermarks

Base Image Watermark Default Size	<input type="text"/> [STORE VIEW] ▲ Example format: 200x300.
Base Image Watermark Opacity, Percent	<input type="text"/> [STORE VIEW]
Base Image Watermark	<input type="button" value="Choose File"/> No file chosen [STORE VIEW] ▲ Allowed file types: jpeg, gif, png.
Base Image Watermark Position	<input type="button" value="Stretch"/> [STORE VIEW]
Small Image Watermark Default Size	<input type="text"/> [STORE VIEW] ▲ Example format: 200x300.
Small Image Watermark Opacity, Percent	<input type="text"/> [STORE VIEW]
Small Image Watermark	<input type="button" value="Choose File"/> No file chosen [STORE VIEW] ▲ Allowed file types: jpeg, gif, png.
Small Image Watermark Position	<input type="button" value="Stretch"/> [STORE VIEW]
Thumbnail Watermark Default Size	<input type="text"/> [STORE VIEW] ▲ Example format: 200x300.
Thumbnail Watermark Opacity, Percent	<input type="text"/> [STORE VIEW]
Thumbnail Watermark	<input type="button" value="Choose File"/> No file chosen [STORE VIEW] ▲ Allowed file types: jpeg, gif, png.
Thumbnail Watermark Position	<input type="button" value="Stretch"/> [STORE VIEW]

Firstly, upload a watermark image you wish to be displayed across product images using the **Base Image Watermark** field, and click on the **Save Config** button in the top-right corner of your screen. If you now view a product on your Magento store front, you will see the product image appear with the watermark image superimposed over it. It's wise to make the watermark as faint as you can and try to position it in a way that does not obscure the product photography, unlike the following example:



[ You may need to refresh Magento's image cache before you see the watermark appear over your images. Navigate to **System | Cache Management**, and click on the **Flush Catalog Images Cache** button towards the bottom of this screen to regenerate the product images with the watermark over them.]

Using product images in Magento

By default, the three product image types in Magento are used in different templates and areas of your Magento site:

- **Thumbnail images:** These are used in the image gallery (if you have more than one image displayed on a product page), the cart, and the default **Related Products** block displayed in Magento's sidebar (50 x 50 pixels on the default theme)
- **Small images:** These are used in product listings on category pages, in cross-sell and up-sell blocks, and search result pages (135 x 135 pixels on the default theme)
- **Base images:** These are used on Magento product pages and the product image zoom feature, if the image is large enough (262 x 262 pixels on the default theme)

The **Product Image Watermarks** panel allows you to specify separate watermark images to appear on your **Base Image**, **Small Image**, and **Thumbnail** images. You can change how and where the watermark image appears over the product photograph by making use of the **Position** field dropdowns. In particular:

- The **Stretch** option stretches the watermark image across the full product image height and width, which can look blurry if your watermark image is too small
- The **Center** option centers the image both vertically and horizontally over the product photograph
- The **Tile** option repeats the placeholder image over the image, assuming the placeholder image is small enough to be able to be repeated over the product photograph
- The remaining images tell Magento where to place the watermark image over the product photograph

The **Default Size** field allows you to specify the size of the watermark image as applied to the product image; this value is in pixels, in the form of `width x height` for example, `200 x 350` would resize the placeholder image to a width of 200 pixels and a height of 350 pixels.

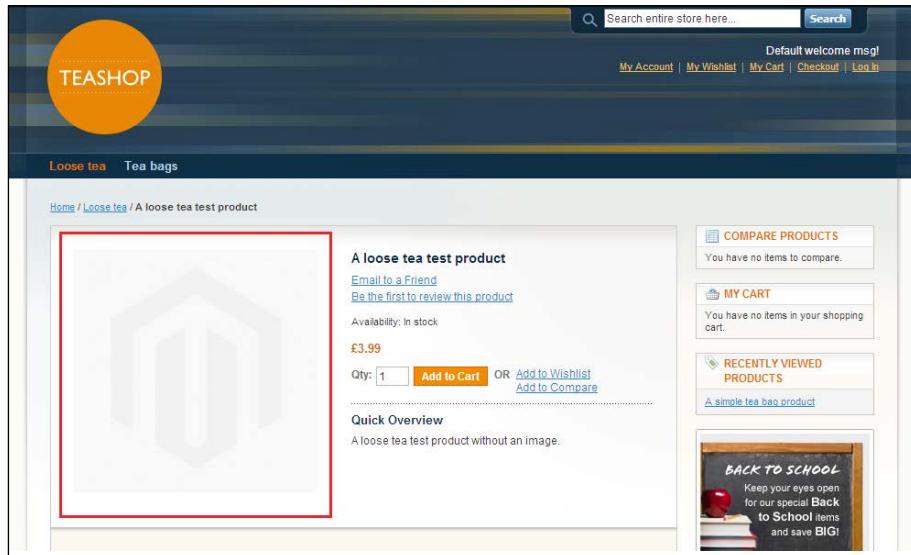
Finally, the **Opacity** field allows you to set the opacity of each of the product watermark images as a percentage. A value of 100 in these fields would cause the watermark to be fully visible, and obscure the product photograph fully or partially. Lower values will show a semi-transparent watermark image over the product photographs, while 0 will not display the watermark image at all.

[ The watermark .png file is included in your book's code files.]

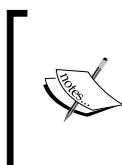
Customizing Magento's product placeholder images

In addition to the product watermarks that can be laid over product images, Magento allows you to customize the default image placeholder image, which is used when a product has no product image available to be displayed.

To see the default Magento image placeholder, you can create a product and simply not assign it an image, which will result in something similar to the result in the following screenshot:



You can add products to your website by navigating to **Catalog | Manage Products** in your Magento store's administration panel.

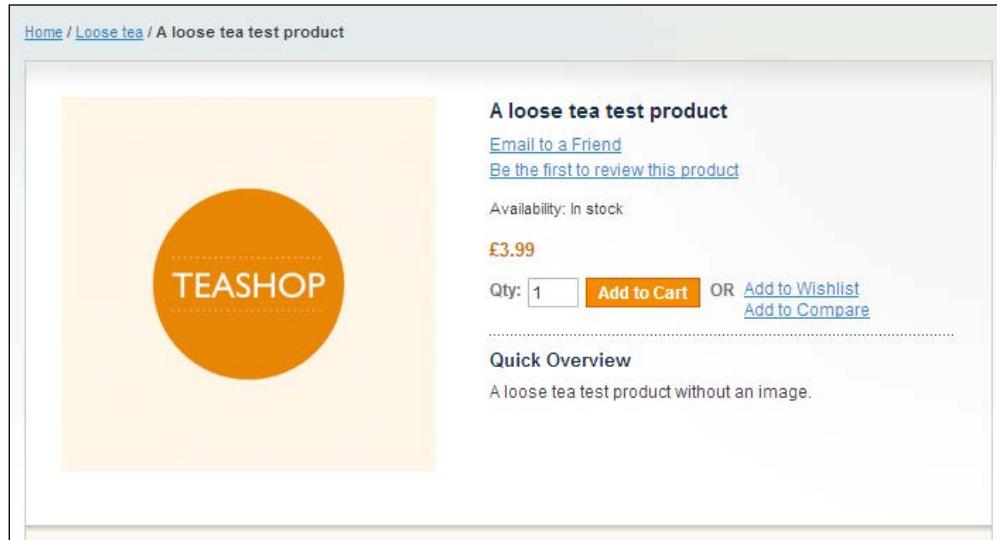


As most e-commerce store owners will testify, it's best to include product imagery on product pages, but there may be occasions where you might like to sell products through your store and may not have an image immediately available, so this is a good way to reinforce your store's brand!

To customize your store's product placeholder images, navigate to **System | Configuration** in your Magento store's administration panel and select the **Catalog** option from the left-hand menu. From there, expand the **Product Image Placeholders** panel, as shown in the following screenshot:

You can upload your custom product photograph placeholders here, using the **Base Image**, **Small Image**, and **Thumbnail** fields. These replace the placeholder image in the various sizes used throughout your Magento store, enabling you to define separate images for each occasion.

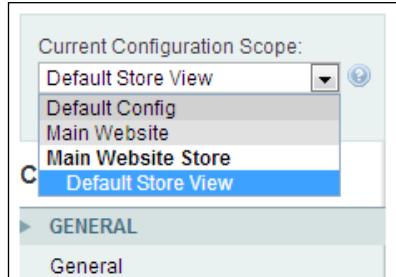
Once you have uploaded your new product placeholder images, click on the **Save Config** button at the top-right side of the screen to save your changes, and go back and refresh the page of your product without an image assigned:



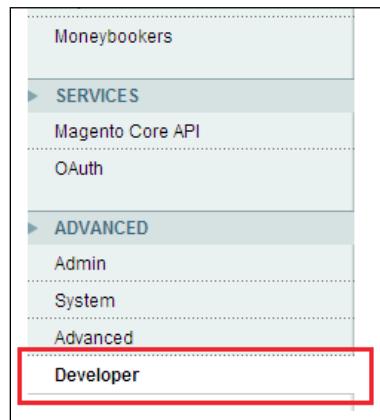
Using the Magento Template Path Hints

As you might expect from a powerful e-commerce system such as Magento, there are tools to help make your job as a Magento theme developer easier. One of the most useful tools for theme developers is **Template Path Hints**, which tells you where each block's template in your Magento store's page is stored in your Magento theme directories.

To enable this tool, navigate to **System | Configuration** in your Magento administration panel and change the **Current Configuration Scope** field's value to your store view's value. In the example in the following screenshot, you can see this being set to **Default Store View**:



Now, select the **Developer** tab towards the bottom of the list grouped under **ADVANCED**:



Expand the **Debug** panel and you are now presented with a selection of options; set the value for the **Template Path Hints** field to **Yes**, as seen in the following screenshot (you may need to uncheck the **Use Website** checkbox before you can do this):

Developer Client Restrictions		
Debug		
Profiler	No	<input checked="" type="checkbox"/> Use Website [STORE VIEW]
Template Path Hints	Yes	<input type="checkbox"/> Use Website [STORE VIEW]
Add Block Names to Hints	No	<input checked="" type="checkbox"/> Use Website [STORE VIEW]
Template Settings		
Translate Inline		
Log Settings		
JavaScript Settings		
CSS Settings		

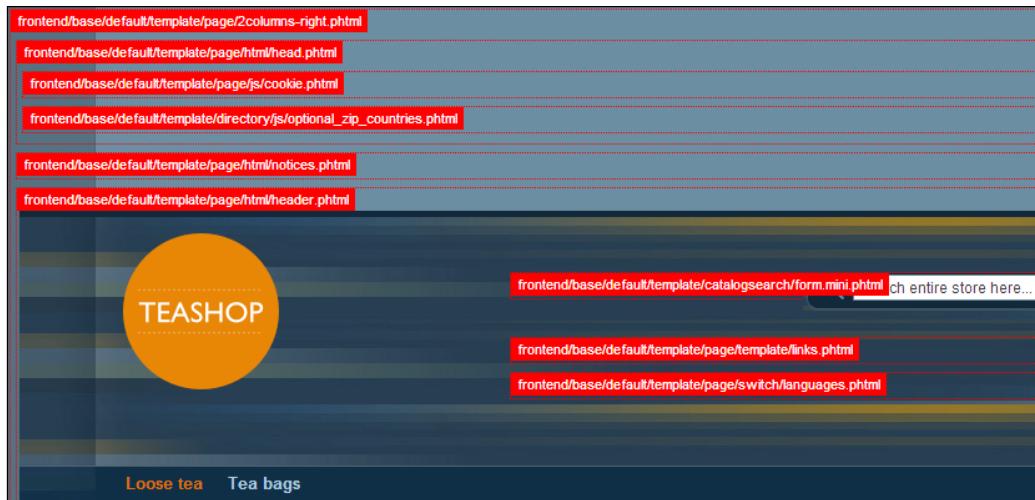


For more advanced template hints on Magento theming, see the module available at <http://www.fabrizio-branca.de/magento-advanced-template-hints-20.html>.

Finally, click on the **Save Config** button to save these changes, and refresh one of the pages on the frontend of your Magento store to see the tool appear.



You may need to refresh your Magento's store caches to see these appear. To clear your cache, navigate to **System | Cache Management** and clear the **Blocks HTML output** cache. You can also fully disable all the caches from this menu, which is beneficial for theme development!



It is possible to restrict these hints' display to specific IP addresses too, by expanding the **Developer Client Restrictions** panel above the **Debug** panel and entering your IP address in the **Allowed IPs (comma separated)** field:

Only visitors using the IP address(es) specified in this field will see the debug tools you have enabled once you save this configuration.

Summary

This chapter introduced the beginnings of customizing your Magento store's look and feel, including how to create a new Magento theme, enabling your new Magento theme, as well as changing your store's logo and favicon, customizing Magento's product watermark images and Magento's product placeholder images, and exploring Magento's Template Path Hints tool to help you better understand where Magento is requesting template files from.

Future chapters dive deeper into specific areas of Magento theme development.

3

Magento Templates

So far, the changes to your Magento theme have been fairly simple and largely limited to configuration within Magento itself. This chapter looks more deeply at customizing templates within your Magento theme to start making more complex changes to your Magento store's look and feel. In this chapter, we will cover the following topics:

- Providing some simple layout styles for your Magento theme
- Customizing your store's header
- Customizing the search box
- Adding a static block to a template
- Customizing your store's footer
- Customizing your store's checkout and cart

Providing layout style for your Magento theme

The first thing you can provide for your Magento theme is some basic CSS to define the column's width and layout. Before you do this, you can use a simple CSS reset to remove unnecessary margins and padding from the elements:

```
* {  
margin:0;  
padding:0;  
}  
img {  
border:0;  
vertical-align:top;  
}
```

```
a {  
    color:#1e7ec8;  
    text-decoration:underline;  
}  
a:hover {  
    text-decoration:none;  
}  
:focus {  
    outline:0;  
}
```



An alternative to CSS resets is `normalize.css`, which you can download from <http://necolas.github.io/normalize.css/>.

To do this, you can make use of what is provided in Magento's Default theme. Open the `styles.css` file in the `/skin/frontend/default/default/css/` directory and you will see a block of CSS that begins:

```
/* Layout ======  
===== */  
.wrapper {  
min-width:954px;  
}  
.page-print {  
background:#fff;  
padding:25px 30px;  
text-align:left;  
}  
.page-empty {  
background:#fff;  
padding:20px;  
text-align:left;  
}  
.page-popup {  
background:#fff;  
padding:25px 30px;  
text-align:left;  
}  
.main-container {  
background:#fbfaf6 url(..../images/bkg_main1.gif) 50% 0 no-repeat;  
}
```

```
.main {  
background:#fffffe url(../images/bkg_main2.gif) 0 0 no-repeat;  
margin:0 auto;  
min-height:400px;  
padding:25px 25px 80px;  
text-align:left;  
width:900px;  
}
```

Copy this into your own theme's `styles.css` file, in the `/skin/frontend/default/m18/css/` directory you previously created, and adapt it to remove any mention of the default theme's color and images:

```
.wrapper {  
min-width:954px;  
}  
.page-print {  
background:#fff;  
padding:25px 30px;  
text-align:left;  
}  
.page-empty {  
background:#fff;  
padding:20px;  
text-align:left;  
}  
.page-popup {  
background:#fff;  
padding:25px 30px;  
text-align:left;  
}  
.main-container {  
background:#f6f6f6;  
}  
.main {  
background:#fff;  
color: #333;  
margin:0 auto;  
min-height:400px;  
padding:25px 25px 80px;  
text-align:left;  
width:900px;  
}
```

Magento themes typically provide three different page layouts to be used: one-column, two-column, and three-column templates. The next block of CSS you can copy from the `/skin/frontend/default/default/css/styles.css` file is the CSS that defines the width and position for each of these layouts:

```
.col-left {  
    float:left;  
    padding:0 0 1px;  
    width:195px  
}  
.col-main {  
    float:left;  
    padding:0 0 1px;  
    width:685px  
}  
.col-right {  
    float:right;  
    padding:0 0 1px;  
    width:195px  
}  
.col1-layout .col-main {  
    float:none;  
    width:auto  
}  
.col3-layout .col-main {  
    margin-left:17px;  
    width:475px  
}  
.col3-layout .col-wrapper {  
    float:left;  
    width:687px  
}  
.col2-set .col-1 {  
    float:left;  
    width:48.5%  
}  
.col2-set .col-2 {  
    float:right;  
    width:48.5%  
}  
.col2-set .col-narrow {  
    width:32%  
}
```

```
.col2-set .col-wide {
    width:65%
}
.col3-set .col-1 {
    float:left;
    width:32%
}
.col3-set .col-2 {
    float:left;
    margin-left:2%;
    width:32%
}
.col3-set .col-3 {
    float:right;
    width:32%
}
.col4-set .col-2 {
    float:left;
    margin:0 2%;
    width:23.5%
}
.col4-set .col-4 {
    float:right;
    width:23.5%
}
.col2-left-layout .col-main,.col3-layout .col-wrapper .col-main {
    float:right;
}
.col4-set .col-1,.col4-set .col-3 {
    float:left;
    width:23.5%
}
```

The preceding CSS alters the width of the columns based on which particular layout is in use, for example, if a page is using a three-column layout, the column widths are adapted so that all three columns can be contained within one row of your page, rather than displaying them above and below each other.

Next, you will need to specify an additional layout for the header and footer areas of your theme:

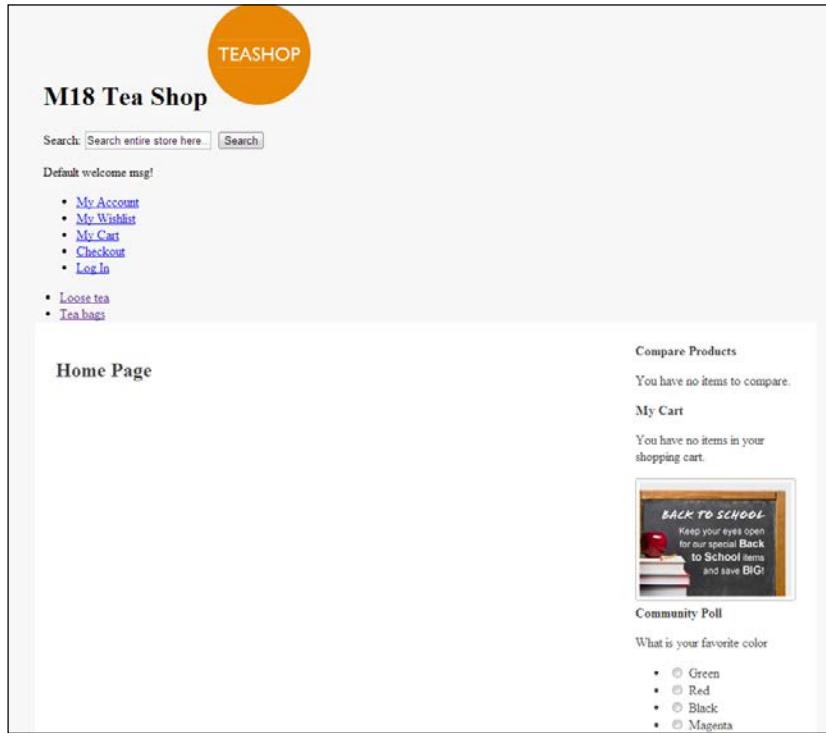
```
.header-container, .footer-container {
    background: #f6f6f6;
}
```

```
.header, .footer {  
margin: 0 auto;  
width: 930px  
}
```

Finally, to complete the layout, you will need to include CSS to clear the floating elements used in your layout, again taken from the bottom of the `styles.css` file in the `/skin/frontend/default/default/css/` folder and copied into the bottom of your `styles.css` file in the `/skin/frontend/default/m18/css/` folder.

[ You can find this in the code files for this chapter.]

If you now refresh your Magento store's frontend, you will see the effect this CSS has had, overwriting the default theme's previous styling, but retaining the column layout of the store as you can see in the following screenshot:



As you can see, this provides a basic starting point for your custom Magento theme, but there's still much work to be done!

Customizing your Magento store's header

As it stands, your current theme looks incomplete at the moment. You can begin to address this by:

- Adding CSS to customize the header elements of your theme
- Altering your theme's `header.phtml` file to customize the HTML used by Magento

Providing CSS for Magento's navigation dropdowns

Most of the styling for Magento's drop-down navigation can be done within CSS. Firstly, you can remove the bullet points and other styling associated with the `` elements by adding the following CSS:

```
.links li, #nav li, .breadcrumbs li {  
    display: inline;  
    list-style: none;  
}  
ul.links, .links li, .breadcrumbs ul, #nav ul {  
    margin: 0;  
    padding: 0;  
}
```

Our next task is to restore your Magento theme's CSS for drop-down navigation. This can be done by reusing the CSS applied to `#nav` from the `styles.css` file in the `/skin/frontend/default/default/css/` folder and copying this into your new theme's `styles.css` file in the `/skin/frontend/default/default/css/` folder, updating the color references as you wish.



You can see this CSS in your code sample file in the chapter's `skin\css` folder provided with this book.

This will provide basic styling for your Magento store's navigation structure as you can see in the following screenshot:



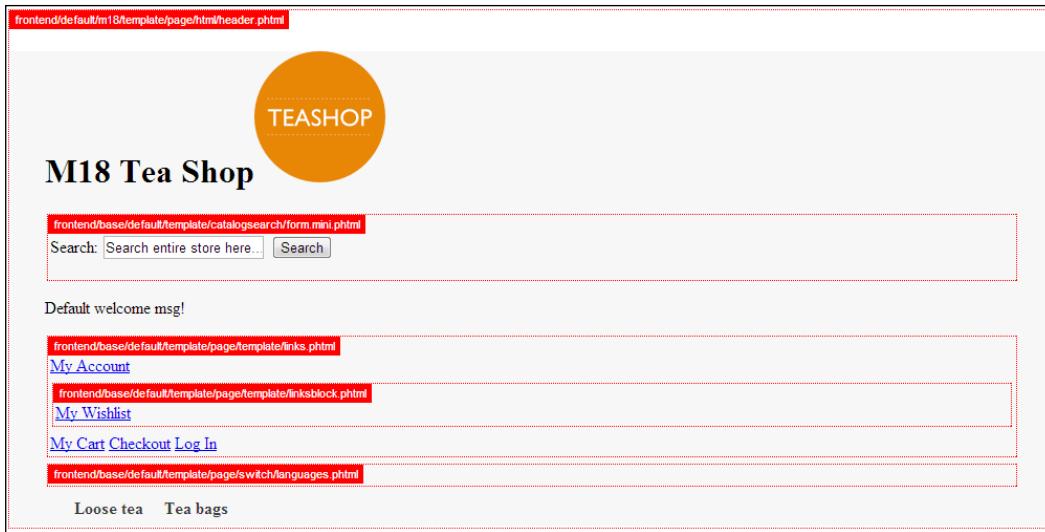
Altering the header.phtml template

As you saw, when you enabled Magento's **Template Path Hints** tool, the pages on your Magento store were composed from many different templates. The header and footer, which are generally used globally throughout your store, are added to the top and bottom of each page respectively, while different page structures (for example, one-column, two-column, and three-column layouts) are swapped in and out as defined by the Magento layout, either by a theme or at a page level through Magento's CMS tool.

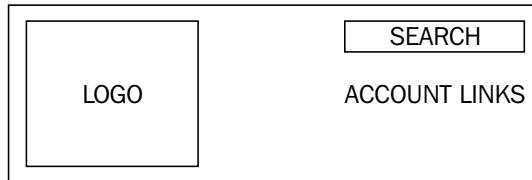


To see which template is being used, you can enable Magento's Template Path Hints file. See *Chapter 2, Magento Theming Basics*, for a walkthrough of how to do this.

Now, view your Magento store's frontend and you can see the extent of your Magento theme's header file within the design:



To change the markup in your Magento theme's header, copy the `header.phtml` file in the `/app/design/frontend/base/default/template/page/html/` directory to the `/app/design/frontend/default/m18/template/page/html/` directory. You can provide a typical layout for your store's header in line with the following diagram:



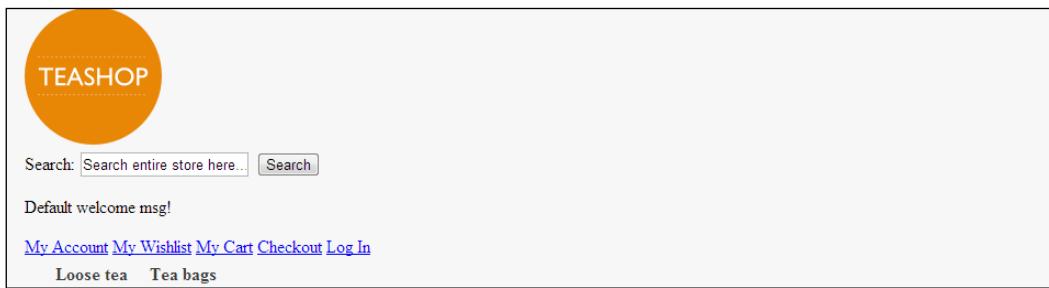
The first thing you need to do is alter how the logo is displayed to remove the text alongside it. Open the `header.phtml` file in your theme and find the following block of code:

```
<?php if ($this->getIsHomePage()):?>
<h1 class="logo"><strong><?php echo $this->getLogoAlt() ?></
strong><a href=<?php echo $this->getUrl('') ?>" title=<?php echo
$this->getLogoAlt() ?>" class="logo"><img src=<?php echo $this-
>getLogoSrc() ?>" alt=<?php echo $this->getLogoAlt() ?>" /></a></h1>
<?php else:&?>
<a href=<?php echo $this->getUrl('') ?>" title=<?php echo $this-
>getLogoAlt() ?>" class="logo"><strong><?php echo $this->getLogoAlt()
?></strong><img src=<?php echo $this->getLogoSrc() ?>" alt=<?php
echo $this->getLogoAlt() ?>" /></a>
<?php endif?>
```

This is currently adding text to the logo block on both, the homepage (wrapped in a `<h1>` element on the homepage using the `$this->getIsHomePage()` function to check whether the current page is the homepage) and other pages (wrapped in a `` element). The logo file is specified in the Magento configuration, which was covered in *Chapter 2, Magento Theming Basics*. Update this to reflect the following code, to output the logo's image simply:

```
<a href="<?php echo $this->getUrl('') ?>" title="<?php echo  
$this->getLogoAlt() ?>" class="logo">getLogoAlt() ?>" /></a>
```

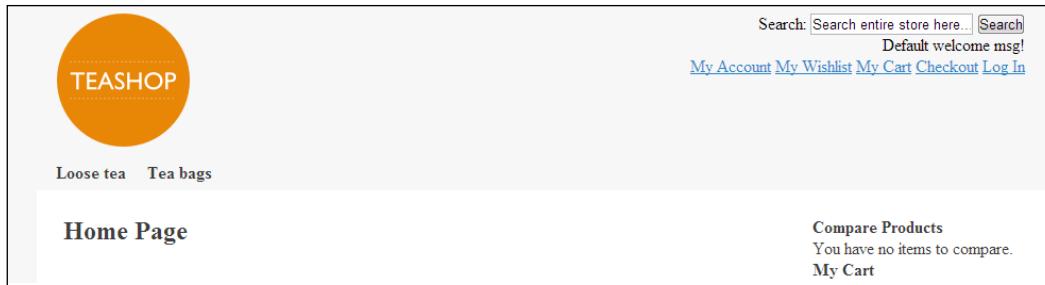
Once saved, refresh your Magento site and you will see that the change has been applied:



Next, you will need to apply some CSS in your theme's `styles.css` file to improve the layout of the header's elements:

```
.header .logo, .header .quick-access {  
    float: left;  
    margin: 1%;  
    width: 48%;  
}  
.header .quick-access {  
    text-align: right;  
}
```

If you refresh your store after saving these changes, you will see that the header now looks more like what you would expect:



Customizing Magento's search box

You can also customize Magento's search feature through the Magento templates. The search feature is especially important for stores with a large number of products, so ensuring that it is in a prominent place and looks like a search feature is very important.

Firstly, to overwrite the template used for the search form in the header, copy the `search_mini.phtml` file at `/app/design/frontend/base/default/template/catalogsearch/` into the `/app/design/frontend/default/m18/template/catalogsearch` directory, and find the following lines that constitute the **Search** button:

```
<button type="submit" title=<?php echo $this->__('Search') ?>"  
class="button">  
<span><span>  
<?php echo $this->__('Search') ?>  
</span></span>  
</button>
```

Remove the `` elements highlighted in the preceding code, as these are no longer required in the new theme. Open your theme's `styles.css` file to provide some basic styling for the search text box and change its border color when it is focused on the following:

```
.input-text {  
border: 1px #CCC solid;  
border-radius: 3px;  
padding: 3px;  
}  
.input-text:active, .input-text:focus {  
border-color: #e57d04;  
}
```



Removing the elements helps to reduce the weight of the pages provided to customers a little, increasing the loading time of your store. However, if you aren't planning to heavily customize your Magento theme, you can leave these as they appear quite frequently throughout many Magento templates and can take some weeding out!

Next, you can add some styling to the buttons throughout your theme:

```
.button {  
background: #e57d04;  
border: none;  
border-radius: 3px;  
color: #fff;  
font-weight: bold;  
padding: 3px;  
text-align: center;  
}  
.button:active, .button:focus {  
background-color: #333;  
}
```

Finally, you can add some styling to the search button specifically to include an image that will help your customers identify its purpose more easily:

```
.form-search .button {  
background-image: url("../images/search.png");  
background-repeat: no-repeat;  
background-position: 3px center;  
padding-left: 24px;  
}
```

If you now refresh your Magento theme, you will see the change take effect:

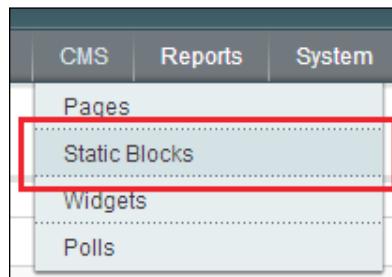


Adding a static block to a Magento template

Sometimes, you may need to add an editable block to your template to allow content to be easily updated through Magento's administration panel. Magento's static blocks allow you to do this, and they can be embedded in the Magento templates.

Creating a new static block

Firstly, you will need to create a static block in Magento. Log in to your store's administration panel and navigate to **CMS | Static Blocks**, as shown in the following screenshot:



Here, click on the **Add New Block** button at the top-right of your screen, as shown in the following screenshot:

A screenshot of the 'Static Blocks' list page in the Magento Admin Panel. The 'Add New Block' button is highlighted with a red box. The page shows two existing records: 'Footer Links' and 'Cookie restriction notice'.

Title	Identifier	Status	Date Created	Last Modified
Footer Links	footer_links	Enabled	12 Feb 2014 15:31:54	12 Feb 2014 15:31:54
Cookie restriction notice	cookie_restriction_notice_block	Enabled	12 Feb 2014 15:31:54	12 Feb 2014 15:31:54

You can create your block here: the block **Title** field allows you to give your block a name, while the **Identifier** field is a machine-readable way to identify this specific block (remember this value, as you'll need it soon!).



Note that the value of the **Identifier** field cannot contain spaces or special characters, and it's typical to use an underscore character (`_`) here to separate words in the identifier's name.

The **Status** field allows you to enable or disable this specific block: ensure this is set to **Enabled** to be able to make use of the block in your template. Finally, the **Content** field allows you to specify content for this block; you can either make use of the Magento text editor tool here, or disable it and enter raw HTML. The following screenshot shows an example block:

The screenshot shows the 'New Block' configuration interface. At the top, there are buttons for 'Back', 'Reset', 'Save Block' (which is highlighted in orange), and 'Save and Continue Edit'. Below this is a section titled 'General Information'.

Field	Value
Block Title *	About us
Identifier *	footer_about
Status *	Enabled
Content *	<p>TEASHOP is an online emporium of the finest tea.</p>

A large text area contains the content 'TEASHOP is an online emporium of the finest tea.' Below this content area is a rich text editor toolbar with various formatting options like bold, italic, underline, and alignment tools.

Once you're ready, click on the **Save Block** button towards the top-right corner of your screen.

Inserting the static block into a template

Now that you have a static block ready, you can include it in a template within your Magento theme. The example static block created previously is for use in the footer of the website to give customers an idea what the store is about.

Before you do this, you will need to copy the `footer.phtml` file from the `/app/design/frontend/base/default/template/page/html/` directory to the `/app/design/frontend/default/m18/page/html/` directory and locate the following lines:

```
<div class="footer-container">
<div class="footer">
```

Below these lines, insert the following snippet to insert the static block you created into the page at this point:

```
<div class="footer-container">
<div class="footer">
<div class="footer-about footer-col">
<?php echo $this->getLayout()->createBlock('cms/block')-
>setBlockId('footer_about')->toHtml(); ?>
</div>
```

In the section that reads `setBlockId('footer_about')`, note that the `footer_about` value is the identifier value of the block you created earlier. In the preceding code, the `echo $this->getLayout()->createBlock('cms/block')->setBlockId('footer_about')->toHtml()` code tells Magento to insert the contents of the static block into Magento with the identifier `footer_about`.

If you refresh your Magento theme, you will see the new block's content appear in the footer area of your store:



Customizing your Magento store's footer

Your theme's footer is currently quite unstyled and contains a lot of links you may not require. Open your theme's footer.phtml file in the /app/design/frontend/default/m18/template/page/html/ directory and you will see something similar to the following code:

```
<div class="footer-container">
    <div class="footer">
        <div class="footer-about footer-col">
            <?php echo $this->getLayout()->createBlock('cms/block')-
>setBlockId('footer_about')->toHtml(); ?>
        </div>
        <?php echo $this->getChildHtml() ?>
        <p class="bugs"><?php echo $this->__('Help Us to Keep Magento
Healthy') ?> - <a href="http://www.magentocommerce.com/bug-tracking"
onclick="this.target='_blank'"><strong><?php echo $this->__('Report
All Bugs') ?></strong></a> <?php echo $this->__('(ver. %s)', Mage::getVersion()) ?></p>
        <address><?php echo $this->getCopyright() ?></address>
    </div>
</div>
```

By removing the preceding highlighted code, you can begin to clean up your theme's footer and customize it for your own store. You can gain a little more control over the footer's layout by adding an additional `<div>` element around the content, as highlighted in the following code:

```
<div class="footer-container">
    <div class="footer">
        <div class="footer-about footer-col">
            <?php echo $this->getLayout()->createBlock('cms/block')-
>setBlockId('footer_about')->toHtml(); ?>
        </div>
        <div class="footer-col footer-categories">
            <?php echo $this->getChildHtml() ?>
        </div>
        <address><?php echo $this->getCopyright() ?></address>
    </div>
</div>
```

You can now add some CSS to your theme's `styles.css` file to help provide a clearer layout for the content in the footer:

```
.footer-col {
    float: left;
```

```
margin: 1%;  
width: 48%;  
}  
.footer address {  
clear: both;  
text-align: center;  
}  
.footer ul {  
list-style: none;  
}  
.footer ul li {  
display: block;  
}  
.footer a {  
color: #333;  
text-decoration: none;  
}  
.footer a:active, .footer a:hover {  
text-decoration: underline;  
}
```

You can also add some styling for specific content blocks in the footer you have created:

```
.footer-about p:first-of-type {  
color: #e57d04;  
font-size: 135%;  
}  
.footer-categories {  
text-align: right;  
}
```

If you now look at your theme's footer, you will see that it looks much more fitting for a Magento store:

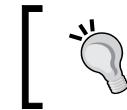


The screenshot shows a footer section for a Magento store. On the left, there is a light gray sidebar containing the text "TEASHOP is an online emporium of the finest tea." In the main footer area, there are several links arranged in a grid-like structure. The links are: About Us, Customer Service, Privacy Policy, Site Map, Search Terms, Advanced Search, Orders and Returns, and Contact Us. At the bottom of the footer, there is a small copyright notice: "© 2013 Magento Demo Store. All Rights Reserved."

Listing all top-level categories in your Magento store

Many stores include a list of their top-level (primary) categories in their footer to help customers navigate to their products more easily. You can do this by adding a simple snippet of code to the footer template you have already customized. Open your theme's `footer.phtml` file and add the following highlighted code:

```
<div class="footer-container">
    <div class="footer">
        <div class="footer-about footer-col">
            <?php echo $this->getLayout()->createBlock('cms/block')-
>setBlockId('footer_about')->toHtml(); ?>
            <?php
                $_helper = Mage::helper('catalog/category');
                $_categories = $_helper->getStoreCategories();
                if (count($_categories) > 0): ?>
                    <ul>
                        <?php foreach($_categories as $_category): ?>
                            <li><a href="php echo $_helper-
&gt;getCategoryUrl($_category) ?&gt;"&gt;&lt;?php echo $_category-&gt;getName() ?&gt;
                            &lt;/a&gt;&lt;/li&gt;
                        &lt;?php endforeach; ?&gt;
                    &lt;/ul&gt;
                &lt;?php endif; ?&gt;
            &lt;/div&gt;
            &lt;div class="footer-col footer-categories"&gt;
                &lt;?php echo $this-&gt;getChildHtml() ?&gt;
            &lt;/div&gt;
            &lt;address&gt;&lt;?php echo $this-&gt;getCopyright() ?&gt;&lt;/address&gt;
        &lt;/div&gt;
    &lt;/div&gt;</pre
```



For more information on the Mage Helper class, see the Magento documentation at http://docs.magentocommerce.com/Mage_Core/Mage_Core_Helper_Abstract.html.

Once you have saved this change, you should see your top-level categories appear in the footer:



Customizing your store's checkout and cart

You can pay some attention to the styling of your store's checkout and cart templates to better match the feel of your new Magento theme.

Styling the cart page

To view the cart page as it currently appears, add a product from your store to the cart and use the **My Cart** button in the header of your website:

Open your theme's `styles.css` file in the `/skin/frontend/default/m18/css/` directory and add the following CSS to the bottom of the file to style the cart table, which contains the products your customer is about to buy:

```
fieldset {  
    border: 0;  
}  
.a-right {  
    text-align: right;  
}  
.checkout-types, .form-list {  
    list-style: none;  
    margin: 10px 0;  
}  
.totals {  
    float: right;  
}  
.totals table {  
    width: 100%;  
}  
.checkout-types, .totals {  
    text-align: right;  
}  
.checkout-types li, .form-list li {  
    display: inline;  
    margin-right: 5px;  
}  
.form-list li.control {  
    display: block;  
}  
.data-table {  
    width: 100%;  
}  
.data-table a {  
    color: #000;  
}  
.data-table th, .data-table .even {  
    background: #f6f6f6;  
}  
.data-table th, .data-table td {  
    border-bottom: 1px #DDD solid;  
    padding: 5px;  
}
```

```
.discount, .shipping {  
background: #f6f6f6;  
border-radius: 5px;  
margin-bottom: 10px;  
padding: 5px;  
}
```

Once this CSS has been added, your store's cart page will look more in line with your new Magento theme:

Shopping Cart

[Proceed to Checkout](#)

	Product Name	Unit Price	Qty	Subtotal
	A simple tea bag product	£2.39	<input type="text" value="1"/>	£2.39
Edit Remove item				

[Continue Shopping](#) [Update Shopping Cart](#) [Clear Shopping Cart](#)

Discount Codes
Enter your coupon code if you have one.

[Apply Coupon](#)

Estimate Shipping and Tax
Enter your destination to get a shipping estimate.

*Country
 [State/Province](#)
 [Zip/Postal Code](#)

[Get a Quote](#)

Subtotal £2.39
Grand Total Excl. Tax £1.99
Tax £0.40
Grand Total Incl. Tax £2.39

[Proceed to Checkout](#) [Checkout with Multiple Addresses](#)

Styling the checkout page

If you now click on the **Proceed to checkout** button on the cart screen, you will see Magento's checkout page, which currently looks similar to the following screenshot:

The screenshot shows the Magento Checkout process. On the left, a vertical progress bar lists six steps: 1. Checkout Method, 2. Billing Information, 3. Shipping Information, 4. Shipping Method, 5. Payment Information, and 6. Order Review. Each step has an 'Edit' link next to it. Step 1 is currently active, showing the 'Checkout Method' form. This form includes options for 'Checkout as Guest or Register', a guest registration form, and a 'Register and save time!' section. Step 2 is the 'Billing Information' form, Step 3 is 'Shipping Information', Step 4 is 'Shipping Method', Step 5 is 'Payment Information', and Step 6 is 'Order Review'. On the right, a 'Your Checkout Progress' sidebar lists the remaining steps: Billing Address, Shipping Address, Shipping Method, and Payment Method.

Your Checkout Progress	
Billing Address	
Shipping Address	
Shipping Method	
Payment Method	

Add the following CSS to your theme's `styles.css` file to style the **Your Checkout Progress** block, which appears in the right-hand column of the checkout page to indicate to customers which stage of the checkout process they're at:

```
.block-progress {  
    border: 0;  
    margin: 0;  
}  
.block-progress dt {  
    background: #eee;  
    border: 1px solid #ccc;  
    color: #555;
```

```
font-size: 10px;
line-height: 1.35;
margin: 0 0 6px;
padding: 2px 8px;
text-transform: uppercase;
}
.block-progress dd {
border-top: 0;
padding: 2px 10px;
margin: 0 0 6px;
}
.block-progress dt.complete a {
text-transform: none;
}
.block-progress p {
margin: 0;
}
```

Next, adding the CSS below provides styling for the buttons and form elements within the one-page checkout:

```
.opc .buttons-set {
margin-top: 0;
padding-top: 2em;
}
.opc .buttons-set p.required {
margin: 0;
padding: 0 0 10px;
}
.opc .buttons-set.disabled button.button {
display: none;
}
.opc .buttons-set .please-wait {
height: 28px;
line-height: 28px;
}
.opc .ul {
list-style: disc outside;
padding-left: 18px;
}
```

Finally, adding the remaining CSS below provides the styling for the individual steps of the one-page checkout process, and different colors to indicate which particular step of the checkout your customer has completed:

```
.opc {  
    position: relative;  
}  
.opc .step-title {  
    background: #CCC;  
    border: 1px solid #CCC;  
    border-top-left-radius: 5px;  
    border-top-right-radius: 5px;  
    color: #555;  
    margin: 10px 0 0 0;  
    padding: 10px;  
    text-align: right;  
}  
.opc .step-title .number {  
    background: #fff;  
    border: 1px solid #fff;  
    border-radius: 3px;  
    color: #444;  
    float: left;  
    font: normal 11px/12px arial, helvetica, sans-serif;  
    margin: 0 5px 0 0;  
    padding: 0 3px;  
}  
.opc .step-title h2 {  
    color: #555;  
    float: left;  
    font: bold 12px/14px Arial, Helvetica, sans-serif;  
    margin: 0;  
}  
.opc .step-title a {  
    display: none;  
    float: right;  
    font-size: 11px;  
    line-height: 16px;  
}
```

```
.opc .allow .step-title {  
background: #999;  
border-color: #999;  
border-top-color: #fff;  
color: #fff;  
cursor: pointer;  
}  
.opc .allow .step-title h2 {  
color: #fff;  
}  
.opc .allow .step-title a {  
color: #fff;  
display: block;  
font-size: 10px;  
text-transform: uppercase;  
}  
.opc .active .step-title {  
background: #e57d04;  
border: none;  
color: #fff;  
cursor: default;  
}  
.opc .active .step-title h2 {  
color: #fff;  
}  
.opc .active .step-title a {  
display: none;  
}  
.opc .step {  
border: 1px solid #ccc;  
border-top: 0;  
background: #f9f9f9;  
padding: 15px 30px;  
position: relative;  
}  
.opc .step .tool-tip {  
right: 30px;  
}
```

If you now review your store's checkout, you will see that it is styled more neatly to help guide your customers through Magento's one-page checkout process:

The screenshot shows the first step of a six-step checkout process. The title 'Checkout' is at the top. Step 1, 'Checkout Method', is highlighted in orange. It contains fields for selecting 'Checkout as Guest' or 'Register', and a section about saving time by registering. Step 2, 'Billing Information', is shown below in a grey bar. To the right, there's a 'Login' section with fields for email and password, and links for forgot password and login. A progress bar on the right shows steps 1 through 6. Step 1 is orange, while others are grey.

Checkout

1 Checkout Method

Checkout as a Guest or Register
Register with us for future convenience:
 Checkout as Guest
 Register

Register and save time!
Register with us for future convenience:

- Fast and easy check out
- Easy access to your order history and status

Login
Already registered?
Please log in below:

*Email Address
richard@peacockcarter.cc

*Password
.....

* Required Fields

[Forgot your password?](#) [Login](#)

Your Checkout Progress

BILLING ADDRESS
SHIPPING ADDRESS
SHIPPING METHOD
PAYMENT METHOD

2 Billing Information

3 Shipping Information

4 Shipping Method

5 Payment Information

6 Order Review

Summary

This chapter explored how you can identify which Magento template is responsible for which block of content in your Magento theme. You also learned how you can use Magento template files to customize your theme, create a basic layout for your Magento theme, customize your store's header and the search feature, add a static block to a Magento template, customize your store's footer, and style your store's checkout and cart. Further chapters will dig deeper into ways to build your custom Magento theme using the Magento layout files and more advanced template manipulation.

4

Magento Layout

You have now looked at the changes you can make to your Magento theme using CSS and template changes. This chapter introduces Magento's layout language, which can be used to change the appearance and order of blocks within your Magento theme and covers the following:

- Adding a `local.xml` file to your theme
- Changing the default page template
- Changing a page's layout via CMS
- Adding a static block to a page using the Magento layout
- Changing the ordering of blocks in Magento's sidebar
- Removing unnecessary blocks from Magento's sidebar
- Adding a new products block to your store's home page

Adding `local.xml` to your Magento theme

As you have seen, Magento provides fallbacks to fill in the files not provided by your theme to help ensure your website functions as effectively as possible. You can overwrite the layout information in your Magento theme by applying a `local.xml` file to your Magento theme.

Create a file called `local.xml` in your theme's `/app/design/frontend/default/m18/layout/` directory, and include the following XML:

```
<?xml version="1.0"?>
<layout>
</layout>
```

This is the very least your Magento XML layout file requires: all of the subsequent changes to your theme's layout need to be written in the `<layout>` element.

Using layout to change your default Magento page template

Each page in your Magento store uses a skeleton layout; these are typically one of the following:

- One-column layout
- Two-column layout with a right-hand sidebar
- Two-column layout with a left-hand sidebar
- Three-column layout

Some pages may have specific templates assigned to them (for example, your one-page checkout may use the one-column layout while pages created through Magento's CMS tool may use a two-column layout with left sidebar layout), but pages that are not specifically given a layout inherit the default page layout.

Types of blocks within Magento

There are two types of blocks within Magento:

- **Structural blocks:** These blocks provide regions that Magento can assign content blocks into. These structural blocks act as a skeleton for your store's content, and typically include the header, footer, content, and sidebar blocks.
- **Content blocks:** These blocks provide reusable blocks of content that are populated as required. Examples of content blocks in Magento include the category product listings (which would typically be included in the content structural block) and the category navigation block (typically assigned to the header structural block).

Changing a page's template using the XML layout

You can change this default page layout in your Magento theme by adding Magento XML layout instructions in your theme's `local.xml` file. Open your theme's `local.xml` file you created in the previous section of this chapter, and add the following highlighted code to change the default page template to the one column layout:

```
<?xml version="1.0"?>
<layout>
  <default>
    <reference name="root">
```

```

<action method="setTemplate">
    <template>page/1column.phtml</template>
</action>
</reference>
</default>
</layout>

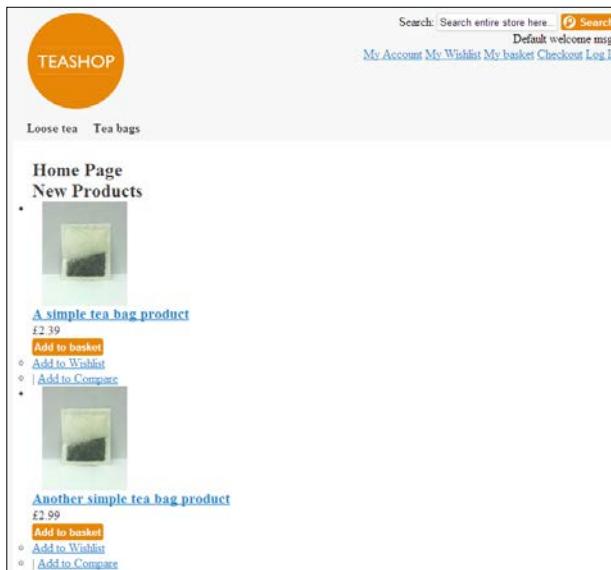
```

The `<default>` handle applies this change to all, unless they are specifically overwritten for a particular type of page within Magento (for example, the one-page checkout or category pages), while the `<reference>` name attribute tells Magento where this change is to be made: the `<root>` applies this to the top-most structural block.

Finally, the `<action>` element in the XML tells Magento to use the template called `1column.phtml` in the `/page/` directory within your theme's templates directory.

 This path is relative to the `/app/design/frontend/default/m18/template/` directory if the file exists in the m18 theme, or else it will fallback and find this file in another default theme.

If you save this change, you will see that the one column layout is applied to pages without a more specific layout set through Magento's content management tool. On the example site, you can see that the **Orders & Returns** page (at `http://www.example.com/sales/guest/form/` if you installed Magento at `http://www.example.com`) has now adopted the one column layout you used in `local.xml` file:



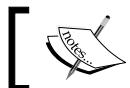


Note that the product listings haven't been styled yet! You'll come to that later on.



Changing a page's layout using Magento's CMS tool

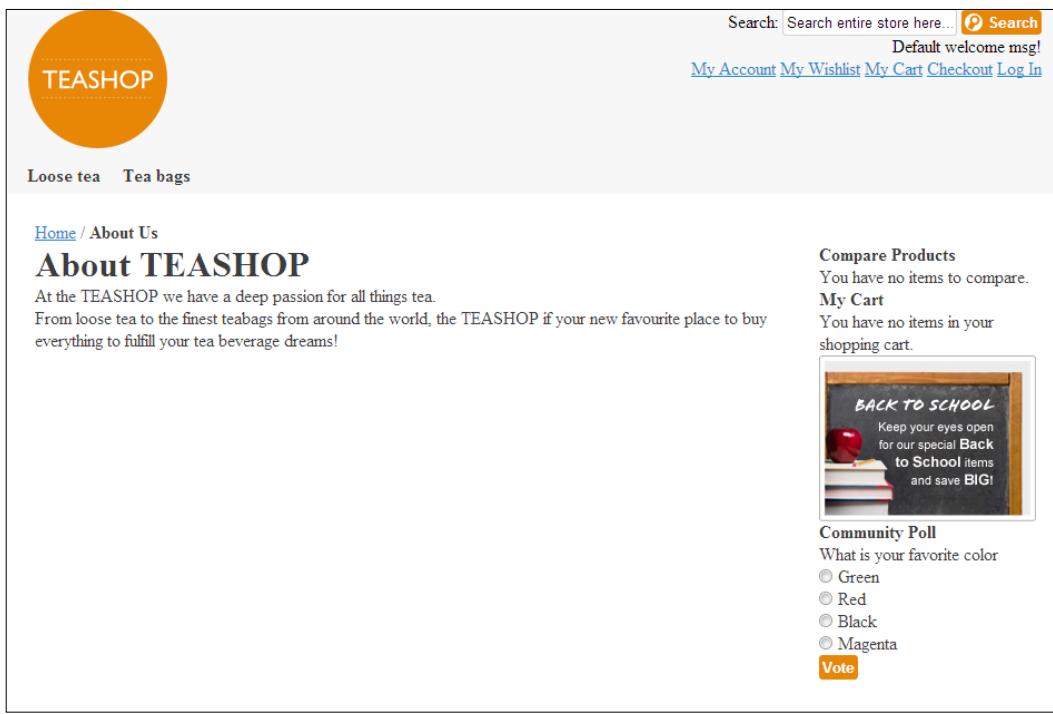
Apart from using Magento layout files to define which pages use which page layouts, you can also use Magento's CMS to apply specific layouts to specific pages created through the content management tool.



Layout changes specified in Magento's CMS tool will overwrite layout changes made within your theme's XML files.



The following example will edit the layout of the **About Us** page in the store, which has a two column including the right sidebar layout assigned to it by default, as you can see in the following screenshot:



The screenshot shows the About Us page of the TEASHOP website. The header features a large orange circular logo with the word "TEASHOP" and navigation links for Home, About Us, My Account, My Wishlist, My Cart, Checkout, and Log In. The main content area displays the "About TEASHOP" section, which includes a brief description and a "Compare Products" sidebar. The sidebar indicates no items to compare and links to My Cart and shopping cart status. Below the sidebar is a "Community Poll" asking about favorite colors, with options for Green, Red, Black, and Magenta, and a "Vote" button. A "BACK TO SCHOOL" promotional banner is also visible.

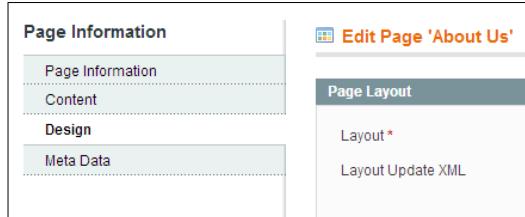
Log in to your Magento administration panel and navigate to CMS | Pages:



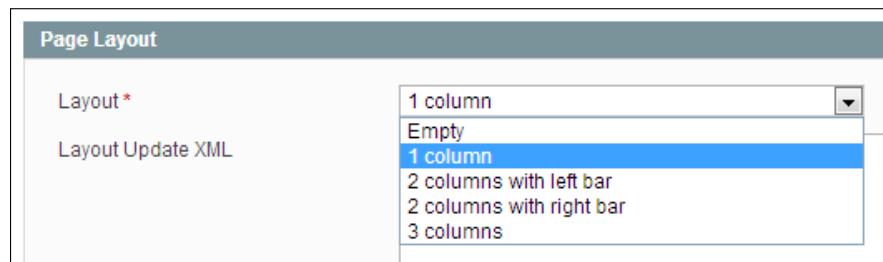
From here, select a page to edit by clicking on its corresponding row in the list of pages:

Manage Pages						
Page		1 of 1 pages	View 20 per page	Total 6 records found		
Title	URL Key	Layout	Status	Date Created	Last Modified	Action
About Us	about-magento-demo-store	2 columns with right bar	Enabled	12 Feb 2014 15:31:54	30 Mar 2014 17:38:31	Preview

When editing the page you want to change the layout for, navigate to the Design tab that appears in the left-hand side column:

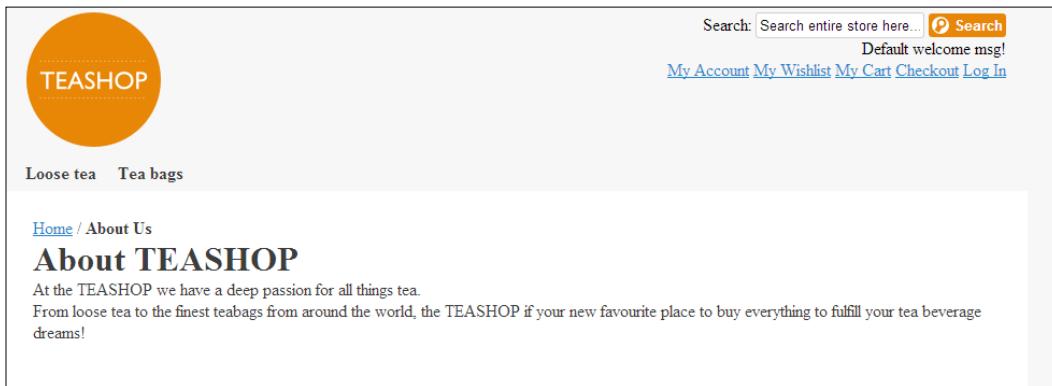


In the **Layout** field that appears under the **Page Layout** block, as shown in the following screenshot, you can select an available page layout from the dropdown. Select the **1 column** option and click on the **Save Page** button at the top-right corner of the screen to save this setting:



Magento Layout

If you now view the frontend of your Magento store and navigate to the **About Us** page you edited, you will see that the new layout has been applied:

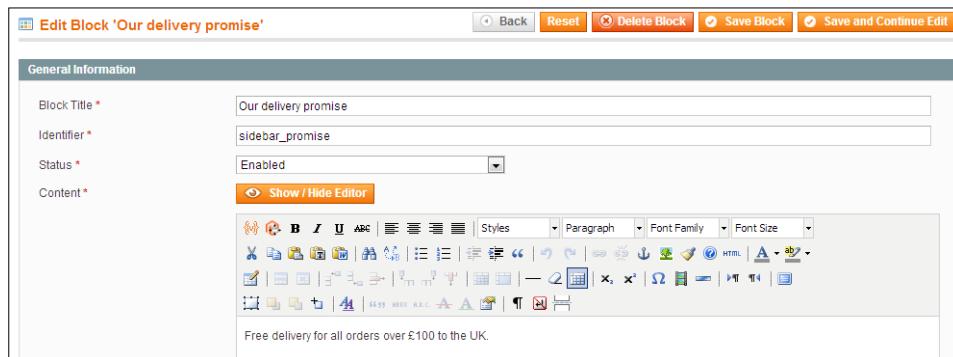


The screenshot shows the 'About Us' page of a Magento store named 'TEASHOP'. The header features a logo with the word 'TEASHOP' and navigation links for 'Search', 'My Account', 'My Wishlist', 'My Cart', 'Checkout', and 'Log In'. Below the header, there are categories 'Loose tea' and 'Tea bags'. The main content area displays the title 'About TEASHOP' and a brief description: 'At the TEASHOP we have a deep passion for all things tea. From loose tea to the finest teabags from around the world, the TEASHOP is your new favourite place to buy everything to fulfill your tea beverage dreams!'. The URL in the browser bar is 'Home / About Us'.

Adding a static block to a page using the Magento layout

As you saw in the previous chapter on Magento templates, you can add static blocks that are created through Magento's CMS into your theme's templates and pages. Magento layout also allows you to add a static block that is created and managed by Magento's CMS tool to an area of your Magento layout.

You need to create a static block by navigating to **CMS | Static Blocks** in Magento's administration panel. This example will use a block identifier of `sidebar_promise`, which you will need to remember when it comes to applying the layout to display this block:

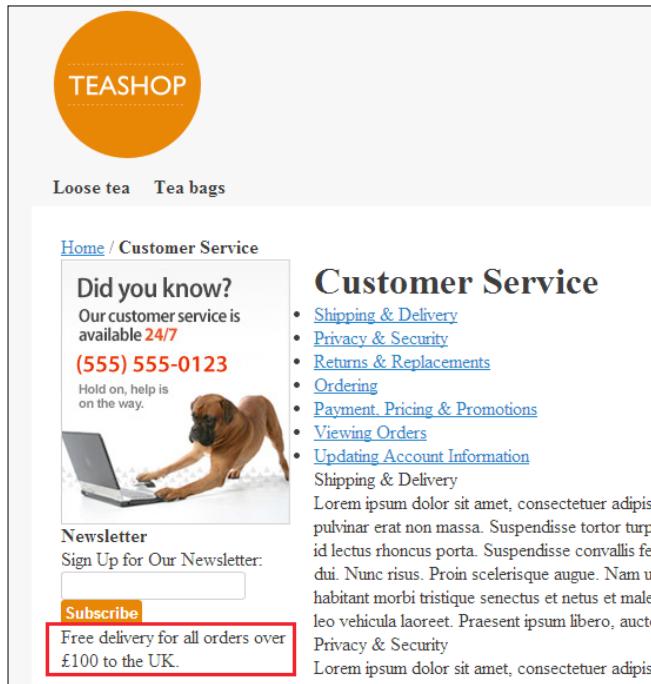


The screenshot shows the 'Edit Block' interface for a static block titled 'Our delivery promise'. The 'General Information' section includes fields for 'Block Title' (set to 'Our delivery promise'), 'Identifier' (set to 'sidebar_promise'), and 'Status' (set to 'Enabled'). The 'Content' field contains the text 'Free delivery for all orders over £100 to the UK.' Below the content area is a rich text editor toolbar with various formatting options like bold, italic, underline, and alignment.

Once you have created your static block, open your theme's `local.xml` file to assign the static block you created earlier to the left sidebar using the following highlighted XML:

```
<?xml version="1.0"?>
<layout>
    <default>
        <reference name="left">
            <block type="cms/block" name="left.delivery">
                <action method="setBlockId">
                    <block_id>sidebar.promise</block_id>
                </action>
            </block>
        </reference>
    </default>
</layout>
```

Once you have saved this change, navigate to the frontend of your store and view the page you edited to see the new block appear in the sidebar:



The static block is displayed in the lower-left corner of the sidebar

You can now style this block as you wish by introducing the necessary HTML and CSS.

Assigning a static block to a page in Magento's CMS

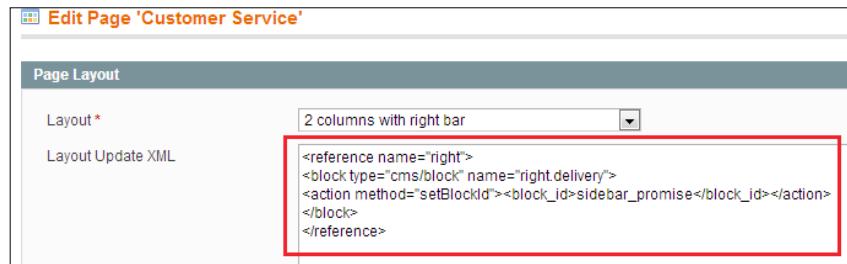
You can also assign a static block to a specific page using Magento's CMS. Once you have created your static block, navigate to **CMS | Pages** and select a page you want to assign the static block to. From there, select the **Design** tab for the page and ensure that the **Layout** field is set to **2 columns with right bar**, as shown in the following screenshot:



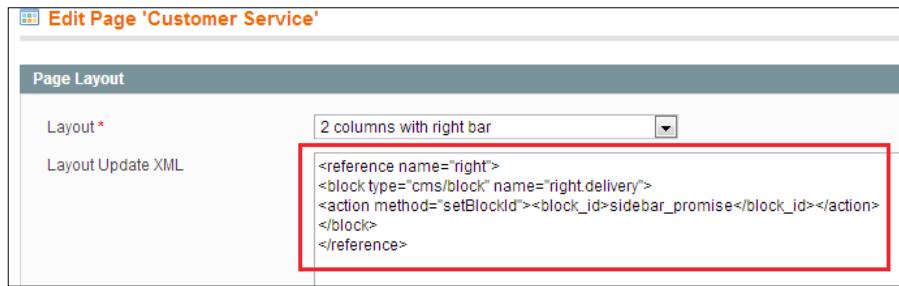
Next, add the following XML to the page's **Layout Update XML** field to assign the `sidebar_promise` static block to the right-hand side column on this page:

```
<reference name="right">
<block type="cms/block" name="right.delivery">
<action method="setBlockId"><block_id>sidebar_promise</block_id></action>
</block>
</reference>
```

Once entered, your **Design** tab for this page should look similar to the following screenshot:



Click on the **Save Page** button at the top-right corner of the screen and view this page on the frontend of your Magento store. You will see the block is appended to the bottom of the right-hand sidebar:



If you don't see your change appear, ensure that you refresh Magento's caches by navigating to **System | Cache Management**.

Changing the ordering of blocks in Magento's sidebar

Apart from giving you the power to add and remove blocks from templates, the Magento layout gives you the power to reorder blocks within your pages too. There are a few ways you could rearrange the blocks in your theme's sidebar, for instance, by moving a specific block:

- Below another block
- To the very top of the list of blocks
- To the very bottom of the list of blocks

Repositioning a block below a specific block

As an example, take the current right sidebar in your theme, which will look similar to what is shown in the following screenshot:

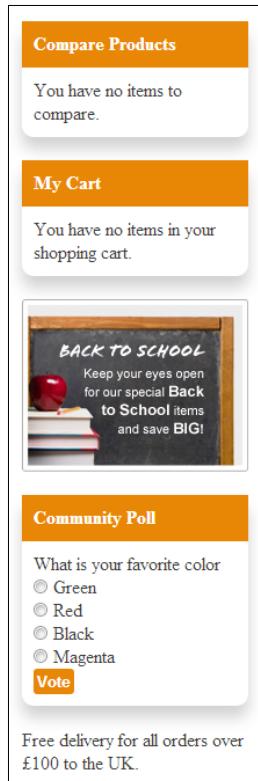


Firstly, you can add some simple styling to the sidebar blocks to help us distinguish them from each other. Open your theme's `styles.css` file in the `/skin/frontend/default/m18/css/` directory and add the following CSS:

```
.block {  
background: #fff;  
border-radius: 10px;  
box-shadow: #ccc 0 10px 20px;  
margin-bottom: 20px;  
}  
.block-title {  
background: #e57d04;  
color: #fff;  
font-weight: bold;  
}  
.block-content,  
.block-title {  
padding: 10px;  
}
```

```
.block-banner .block-content {  
padding: 0;  
}
```

If you now refresh your store, the blocks in the sidebar will look more distinct from each other:



Next, you will need to open your theme's `local.xml` file in the `/app/design/frontend/default/m18/layout/` directory of your Magento installation. If you want to move the **Compare Products** block above the **My Cart** callout block, you will use the `after` attribute in Magento layout to specify the block it appears after.

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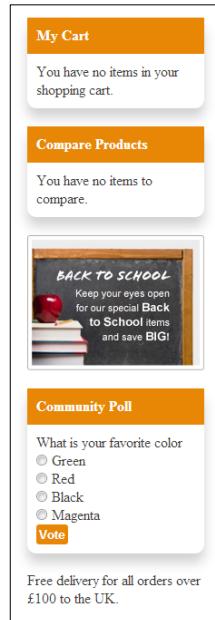
In Magento, the typical way to do this is to first unset the **Compare Products** block and then reinsert the block below the **My Cart** block:

```
<reference name="right">
<action method="unsetChild">
<name>catalog.compare.sidebar</name>
</action>
<block type="catalog/product_compare_sidebar" after="cart_sidebar"
name="catalog.compare.sidebar.replacement" template="catalog/product/
compare/sidebar.phtml"/>
</reference>
```

[ The name values need to match the block name within Magento; one of the best ways to track down specific block names for your needs is to look through the layout files in the /app/design/frontend/base/default/layout/ and /app/design/frontend/default/default/layout/ directories.]

The `after` value which blocks the repositioned block appears below while the `template` attribute defines which Magento template file should be used to render this block's content (in relation to the /app/design/frontend/your-package/your-theme/template/ directory).

If you now refresh a page on your store with the right sidebar enabled, you will see the blocks' ordering has been changed:



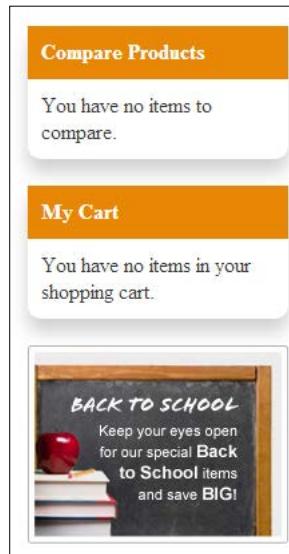
Once again, if you can't see the change on your store, ensure that you have refreshed or disabled Magento's caches by navigating to **System | Cache Management** in your Magento store's control panel.

Reordering a block above all other blocks

Alternatively, you can move blocks within regions of your Magento templates to the top of all other blocks. Open your theme's `local.xml` file and add the layout XML:

```
<reference name="right">
<action method="unsetChild">
<name>catalog.compare.sidebar</name>
</action>
<block type="catalog/product_compare_sidebar" before="-"
name="catalog.compare.sidebar.replacement" template="catalog/product/
compare/sidebar.phtml"/>
</reference>
```

Note the similarities with the preceding snippet; though in the previous example, you replace the `after` attribute with `before` and assign this attribute the value of `-`, which indicates it should be shown before all other blocks. If you refresh your page with the right sidebar visible, you will now see the blocks have reordered once again to show **Compare Products** at the top of the sidebar:

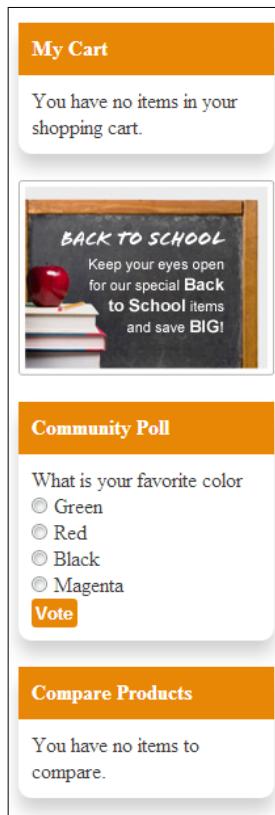


Reordering a block below all other blocks

It is also possible to use this method to render blocks in your Magento template regions to position a specific block below all other blocks. Once again, open your local.xml file and use the following Magento layout XML to reorder the **Compare Products** block to the bottom of the blocks in the sidebar:

```
<reference name="right">
<remove name="catalog.compare.sidebar" />
<block type="catalog/product_compare_sidebar" after="-" name="catalog.
compare.sidebar.replacement" template="catalog/product/compare/
sidebar.phtml"/>
</reference>
```

Note that the preceding XML uses the `after` attribute with a value of - (hyphen) to tell Magento to place this block after all others in this region. Refresh your screen once again to see the change take effect:



Removing unnecessary blocks from Magento's sidebar

As you can see from the previous screenshots of this chapter, there are quite a few blocks displayed in Magento's sidebars by default that you will not want to use. You can set these not to display in your theme customizing your theme's layout instructions.

Open your theme's `local.xml` file and apply the following XML:

```
<reference name="left">
<remove name="left.permanent.callout"/>
<remove name="right.newsletter"/>
<remove name="cart_sidebar"/>
<remove name="sale.reorder.sidebar"/>
</reference>

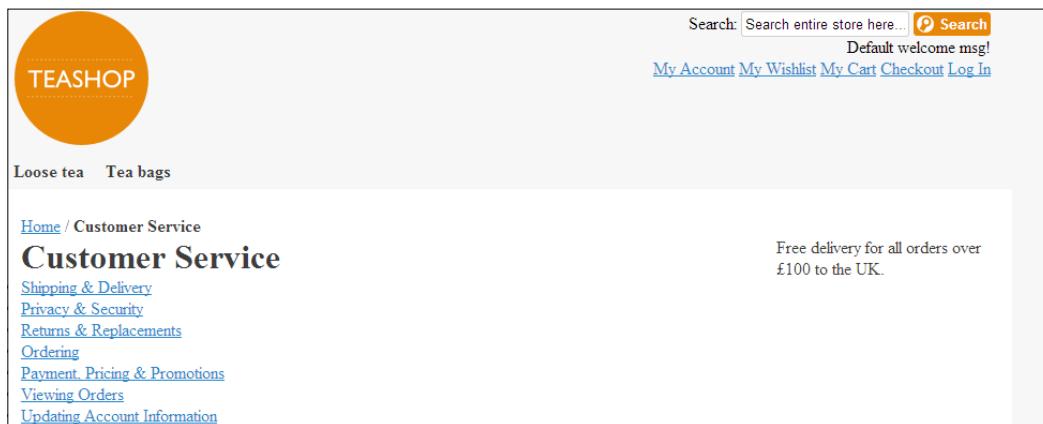
<reference name="right">
<remove name="right.permanent.callout"/>
<remove name="livechat.chat"/>
<remove name="right.poll"/>
<remove name="paypal.partner.right.logo"/>
<remove name="cart_sidebar"/>
<remove name="sale.reorder.sidebar"/>
<remove name="catalog.compare.sidebar"/>
</reference>
```

This removes commonly unused blocks in your Magento theme:

- The cart box in the sidebar
- The customer wishlist widget and "compare products" widget
- The placeholder advertisements ("callouts") in the left and right sidebars
- The list of previously viewed and compared products displayed in the right sidebar
- The newsletter subscription and customer poll widgets, and the PayPal logo included in Magento's sample widgets

Magento Layout

If you save your `local.xml` file and look again at your Magento store, you will see these blocks have now been removed from your store:



[ If you can't see your changes, ensure that you have refreshed or disabled Magento's caches by navigating to **System | Cache Management**.]

Customizing the home page's layout

You have seen how to apply a page layout to specific pages, but to apply a specific template to your store's home page, you can add more specific layout instructions in your theme's `local.xml` file.

The layout handle for the home page is `cms_index_index`. So, to assign the home page the one column layout, you will add the following to your Magento theme's `local.xml` file:

```
<cms_index_index>
<reference name="root">
<action method="setTemplate">
<template>page/1column.phtml</template>
</action>
</reference>
</cms_index_index>
```

Note, though, that the layout can be overwritten through Magento's CMS tool, so this is unlikely to work in practice. You can navigate to **CMS | Pages** in your Magento installation's administration panel and set your page's layout using the **Layout** drop-down field in the **Design** tab:

[ An incomplete list of layout handles available in Magento is available at <http://www.magentocommerce.com/boards/viewthread/2471/>.]

Adding new product block to the home page

A common requirement of e-commerce stores is to display a number of newly added products on the home page; this can be useful for search engines (to encourage new products to be indexed more quickly) and customers who are visiting again to find newly added stock on your website.

Marking products as new in Magento

Before you start making changes to your theme, ensure that you have a few products marked as "new" within Magento. To do this, log in to your Magento administration panel and navigate to **Catalog | Manage Products**. From there, select a product that you wish to mark as new. On the **General** tab, enter date values for the **Set Product as New from Date** and **Set Product as New to Date** fields that include the current date so the products are currently marked as "new" within Magento:

SKU *	TEST1
Weight *	10.0000
Set Product as New from Date	25/03/2014
Set Product as New to Date	31/03/2016
Status *	Enabled

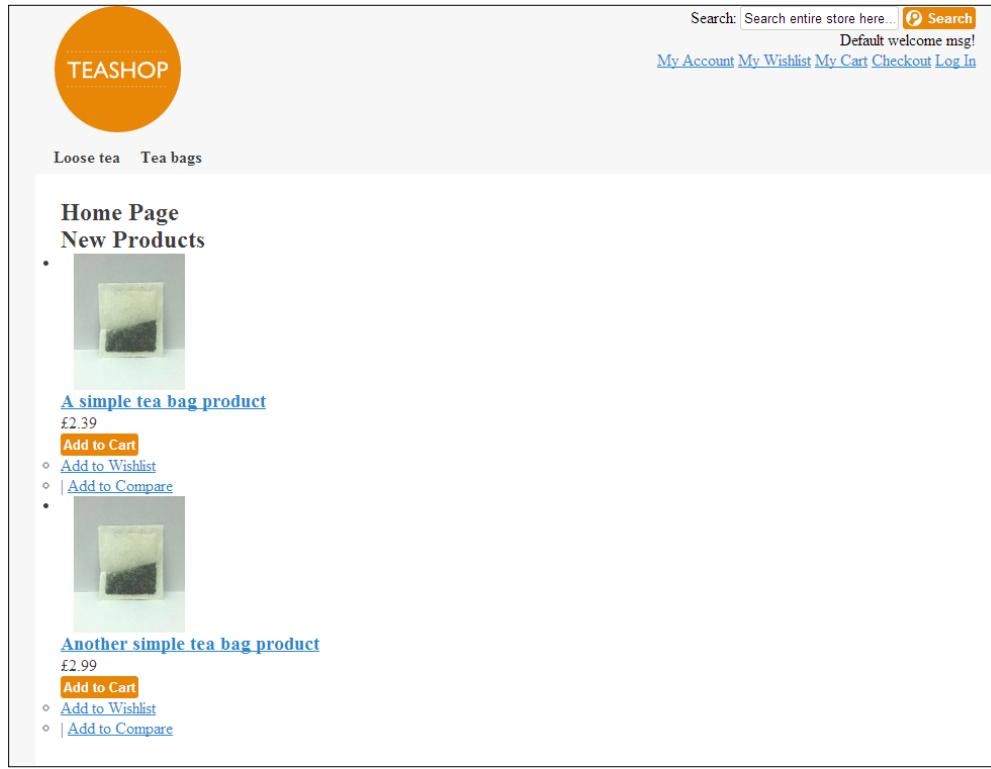
Once you have done this, click on the **Save** button at the top-right corner of your screen. You may wish to add more than one product to the new products list using this method.

Using XML layout to add the New Products block to your store's home page

Once you have assigned some products in your store to the new products list, open your theme's `local.xml` file and add the following highlighted XML within the `cms_index_index` handle:

```
<cms_index_index>
<reference name="content">
<block type="catalog/product_new" template="catalog/product/new.phtml">
<action method="setProductsCount"><count>3</count></action>
<action method="addColumnCountLayoutDepend"><layout>empty</layout><count>5</count></action>
<action method="addColumnCountLayoutDepend"><layout>one_column</layout><count>5</count></action>
<action method="addColumnCountLayoutDepend"><layout>two_columns_left</layout><count>4</count></action>
<action method="addColumnCountLayoutDepend"><layout>two_columns_right</layout><count>4</count></action>
<action method="addColumnCountLayoutDepend"><layout>three_columns</layout><count>3</count></action>
</block>
</reference>
</cms_index_index>
```

If you refresh the home page, you will see the products you marked as "new" in Magento's administration panel are now visible, but they are not styled:



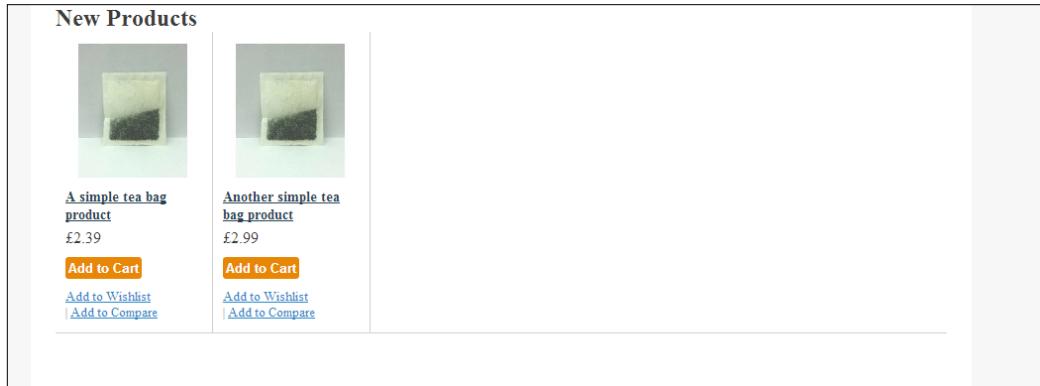
Finally, you can apply some styling to the product grid by adding the following CSS to your `styles.css` file in the `/skin/frontend/default/m18/css/` directory:

```
.products-grid {
    border-bottom: 1px solid #CCC;
    list-style: none;
    position: relative;
}
.products-grid.last {
    border-bottom: 0;
}
.products-grid li.item {
    border-right: 1px #CCC solid;
    float: left;
    width: 138px;
    padding: 12px 10px 80px;
}
```

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```
.products-grid li.item.last {  
    border-right: none;  
}  
.products-grid .product-image {  
    display: block;  
    height: 135px;  
    margin: 0 0 10px;  
    width: 135px;  
}  
.products-grid .product-name {  
    color: #e57d04;  
    font-size: 0.9em;  
    font-weight: bold;  
    margin: 0 0 5px;  
}  
.products-grid .product-name a {  
    color:#203548;  
}  
.products-grid .price-box {  
    margin:5px 0;  
}  
.products-grid .availability {  
    line-height:21px;  
}  
.products-grid .actions {  
    position: absolute;  
    bottom:12px;  
}  
  
.add-to-links {  
    list-style: none;  
    font-size: 0.8em;  
    margin-top: 10px;  
}
```

This provides a neater product grid to display your products throughout your Magento store, including the **New Products** block that now appears on the home page:



Summary

In this chapter, you learned how using and applying Magento layout allows you to alter how Magento behaves and appears to your customers. In particular, you created a `local.xml` file to hold your theme's custom layout instructions, changed the default page template, and used Magento's CMS to change a page's layout. You also assigned a static block to a page using Magento layout and altered blocks from Magento's sidebar templates. Finally, you added a new products block to your store's home page template.

Further chapters will provide more ideas for the customization of your Magento theme, from customizing store e-mails to improving your store for mobile users.

5

Social Media and Magento

So, you've begun to develop your own custom Magento 1.8 theme now. Social networks such as Twitter and Facebook are ever popular and can be a great source of new customers if used correctly on your store. This chapter covers the following topics:

- Integrating a Twitter feed into your Magento store
- Integrating a Facebook Like Box into your Magento store
- Including social share buttons in your product pages
- Integrating product videos from YouTube into the product page

Integrating a Twitter feed into your Magento store

If you're active on Twitter, it can be worthwhile to let your customers know. While you can't (yet, anyway!) accept payment for your goods through Twitter, it can be a great way to develop a long term relationship with your store's customers and increase repeat orders.

One way you can tell customers you're active on Twitter is to place a Twitter feed that contains some of your recent tweets on your store's home page. While you need to be careful not to get in the way of your store's true content, such as your most recent products and offers, you could add the Twitter feed in the footer of your website.

Creating your Twitter widget

To embed your tweets, you will need to create a Twitter widget. Log in to your Twitter account, navigate to <https://twitter.com/settings/widgets>, and follow the instructions given there to create a widget that contains your most recent tweets. This will create a block of code for you that looks similar to the following code:

```
<a class="twitter-timeline" href="https://twitter.com/RichardCarter" data-widget-id="123456789999999999">Tweets by @RichardCarter</a>
<script>!function(d,s,id){var js,fjs=d.getElementsByTagName(s)[0],p=/^http:/.test(d.location)?'http':'https';if(!d.getElementById(id)){js=d.createElement(s);js.id=id;js.src=p+"://platform.twitter.com/widgets.js";fjs.parentNode.insertBefore(js,fjs);}}(document,"script","twitter-wjs");</script>
```

Embedding your Twitter feed into a Magento template

Once you have the Twitter widget code to embed, you're ready to embed it into one of Magento's template files. This Twitter feed will be embedded in your store's footer area. So, so open your theme's /app/design/frontend/default/m18/template/page/html/footer.phtml file and add the highlighted section of the following code:

```
<div class="footer-about footer-col">
<?php echo $this->getLayout()->createBlock('cms/block')-
>setBlockId('footer_about')->toHtml(); ?>
<?php
$_helper = Mage::helper('catalog/category');
$_categories = $_helper->getStoreCategories();
if (count($_categories) > 0): ?>
<ul>
<?phpforeach($_categories as $_category): ?>
<li>
<a href="php echo $_helper-&gt;getCategoryUrl($_category) ?&gt;"&gt;
&lt;?php echo $_category-&gt;getName() ?&gt;
&lt;/a&gt;
&lt;/li&gt;
&lt;?phpendforeach; ?&gt;
&lt;/ul&gt;
&lt;?phpendif; ?&gt;
&lt;a class="twitter-timeline" href="https://twitter.com/RichardCarter" data-widget-id="123456789999999999"&gt;Tweets by @RichardCarter&lt;/a&gt;</pre
```

```
<script>!function(d,s,id){var js,fjs=d.getElementsByTagName(s)[0],p=/^http:/.test(d.location)?'http':'https';if(!d.getElementById(id)){js=d.createElement(s);js.id=id;js.src=p+"://platform.twitter.com/widgets.js";fjs.parentNode.insertBefore(js,fjs);}}(document,"script","twitter-wjs");</script>
</div>
```

The result of the preceding code is a Twitter feed similar to the following one embedded on your store:



As you can see, the Twitter widget is quite cumbersome. So, it's wise to be sparing when adding this to your website. Sometimes, a simple Twitter icon that links to your account is all you need!

You could also use a static block in Magento to contain your Twitter feed; refer to *Chapter 4, Magento Layout*, to see how you can add a static block to a Magento template.

Integrating a Facebook Like Box into your Magento store

Facebook is one of the world's most popular social networks; with careful integration, you can help drive your customers to your Facebook page and increase long term interaction. This will drive repeat sales and new potential customers to your store. One way to integrate your store's Facebook page into your Magento site is to embed your Facebook page's news feed into it.

Getting the embedding code from Facebook

Getting the necessary code for embedding from Facebook is relatively easy; navigate to the Facebook Developers website at <https://developers.facebook.com/docs/plugins/like-box-for-pages>. Here, you are presented with a form. Complete the form to generate your embedding code; enter your Facebook page's URL in the **Facebook Page URL** field (the following example uses Magento's Facebook page):

The screenshot shows the 'Like Box' configuration page on the Facebook Developers site. On the left, a sidebar lists various sharing and social plugin options. The main area is titled 'Like Box' and contains fields for 'Facebook Page URL' (set to 'https://www.facebook.com/Magento'), 'Width' (set to 195), 'Height' (set to 'The pixel height of the plugin'), 'Color Scheme' (set to 'light'), and several checkboxes for 'Show Friends' Faces', 'Show Header', 'Show Posts', and 'Show Border'. Below these settings is a preview window showing a sample like box with the Magento logo, a 'Like' button, and a small photo grid.

Click on the **Get Code** button on the screen to tell Facebook to generate the code you will need, and you will see a pop up with the code appear as shown in the following screenshot:

Your Plugin Code

HTML5 XFBML IFRAME URL

Include the JavaScript SDK on your page once, ideally right after the opening `<body>` tag.

```
<div id="fb-root"></div>
<script>(function(d, s, id) {
  var js, fjs = d.getElementsByTagName(s) [0];
  if (d.getElementById(id)) return;
  js = d.createElement(s); js.id = id;
  js.src = "//connect.facebook.net/en_GB/all.js#xfbml=1";
  fjs.parentNode.insertBefore(js, fjs);
} (document, 'script', 'facebook-jssdk'));</script>
```

Place the code for your plugin wherever you want the plugin to appear on your page.

```
<div class="fb-like-box" data-href="https://www.facebook.com/Magento" data-width="195" data-colorscheme="light" data-show-faces="true" data-header="true" data-stream="false" data-show-border="true"></div>
```

Adding the embed code into your Magento templates

Now that you have the embedding code from Facebook, you can alter your templates to include the code snippets. The first block of code for the **JavaScript SDK** is required in the header.phtml file in your theme's directory at /app/design/frontend/default/m18/template/page/html/. Then, add it at the top of the file:

```
<div id="fb-root"></div>
<script>(function(d, s, id) {
varjs, fjs = d.getElementsByTagName(s) [0];
if (d.getElementById(id)) return;
js = d.createElement(s); js.id = id;
js.src = "//connect.facebook.net/en_GB/all.js#xfbml=1";
fjs.parentNode.insertBefore(js, fjs);
} (document, 'script', 'facebook-jssdk'));</script>
```

Next, you can add the second code snippet provided by the Facebook Developers site where you want the Facebook Like Box to appear in your page. For flexibility, you can create a static block in Magento's CMS tool to contain this code and then use the Magento XML layout to assign the static block to a template's sidebar.

Navigate to **CMS | Static Blocks** in Magento's administration panel and add a new static block by clicking on the **Add New Block** button at the top-right corner of the screen. Enter a suitable name for the new static block in the **Block Title** field and give it a value `facebook` in the **Identifier** field. Disable Magento's rich text editor tool by clicking on the **Show / Hide Editor** button above the **Content** field.

Enter in the **Content** field the second snippet of code the Facebook Developers website provided, which will be similar to the following code:

```
<div class="fb-like-box" data-href="https://www.facebook.com/Magento" data-width="195" data-colorscheme="light" data-show-faces="true" data-header="true" data-stream="false" data-show-border="true"></div>
```

Once complete, your new block should look like the following screenshot:

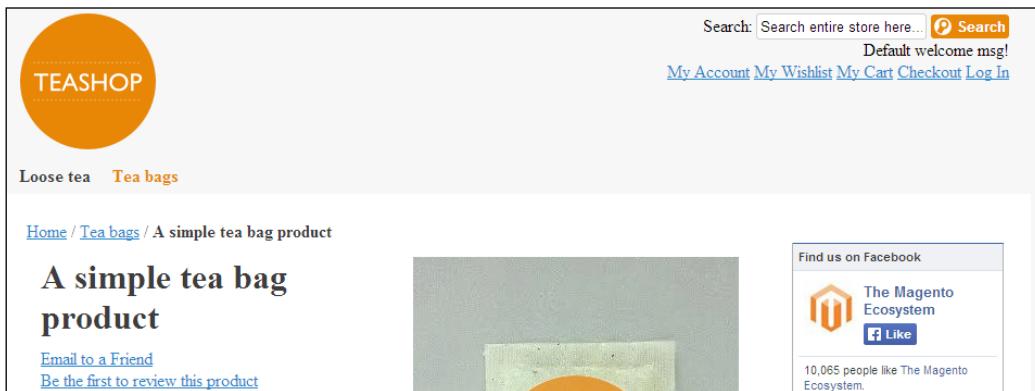


Click on the **Save Block** button to create a new block for your Facebook widget. Now that you have created the block, you can alter your Magento theme's layout files to include the block in the right-hand column of your store.

Next, open your theme's `local.xml` file located at `/app/design/frontend/default/m18/layout/` and add the following highlighted block of XML to it. This will add the static block that contains the Facebook widget:

```
<reference name="right">
<block type="cms/block" name="cms_facebook">
<action method="setBlockId"><block_id>facebook</block_id></action>
</block>
<!--other layout instructions -->
</reference>
```

If you save this change and refresh your Magento store on a page that uses the right-hand column page layout, you will see your new Facebook widget appear in the right-hand column. This is shown in the following screenshot:



Including social share buttons in your product pages

Particularly if you are selling to consumers rather than other businesses, you can make use of social share buttons in your product pages to help customers share the products they love with their friends on social networks such as Facebook and Twitter. One of the most convenient ways to do this is to use a third-party service such as AddThis, which also allows you to track your most shared content. This is useful to learn which products are your most-shared products within your store!

Styling the product page a little further

Before you begin to integrate the share buttons, you can style your product page to provide a little more layout and distinction between the blocks of content. Open your theme's `styles.css` file and append the following CSS (located at `/skin/frontend/default/m18/css/`) to provide a column for the product image and a column for the introductory content of the product:

```
.product-img-box, .product-shop {
    float: left;
    margin: 1%;
    padding: 1%;
    width: 46%;
}
```

You can also add some additional CSS to style some of the elements that appear on the product view page in your Magento store:

```
.product-name {  
margin-bottom: 10px;  
}  
.or {  
color: #888;  
display: block;  
margin-top: 10px;  
}  
.add-to-box {  
background: #f2f2f2;  
border-radius: 10px;  
margin-bottom: 10px;  
padding: 10px;  
}  
.more-views ul {  
list-style-type: none;  
}
```

If you refresh a product page on your store, you will see the new layout take effect:

The screenshot shows a product page for a tea bag. At the top right, there's a search bar and a 'Search' button. Below it are links for 'Default welcome msg!', 'My Account', 'My Wishlist', 'My Cart', 'Checkout', and 'Log In'. On the left, there's a large orange circular logo with 'TEASHOP' text. Below the logo are category links: 'Loose tea' and 'Tea bags'. The main title is 'A simple tea bag product'. Below the title are buttons for 'Email to a Friend', 'Be the first to review this product', 'Availability: In stock', and a price of '£2.39'. There's a quantity input field set to '1' with an 'Add to Cart' button. Below this is an 'OR' link and buttons for 'Add to Wishlist' and 'Add to Compare'. A 'Quick Overview' section describes the product as 'A delicious tea bag great for everyday drinking!'. To the right of the overview is a large image of the tea bag, which has the same orange 'TEASHOP' logo on its label. Below the image is a 'More Views' section showing a small thumbnail of another product image.

Integrating AddThis

Now that you have styled the product page a little, you can integrate AddThis with your Magento store. You will need to get a code snippet from the AddThis website at <http://www.addthis.com/get/sharing>. Your snippet will look something similar to the following code:

```
<div class="addthis_toolboxaddthis_default_style ">
<a class="addthis_button_facebook_like" fb:like:layout="button_
count"></a>
<a class="addthis_button_tweet"></a>
<a class="addthis_button_pinterest_pinit"
pi:pinit:layout="horizontal"></a>
<a class="addthis_counteraddthis_pill_style"></a>
</div>
<script type="text/javascript">varaddthis_config = {"data_track_
addressbar":true};</script>
<script type="text/javascript" src="//s7.addthis.com/js/300/addthis_
widget.js#pubid=youraddthisusername"></script>
```

Once the preceding code is included in a page, this produces a social share tool that will look similar to the following screenshot:



Copy the product view template from the `view.phtml` file from `/app/design/frontend/base/default/catalog/product/` to `/app/design/frontend/default/m18/catalog/product/` and open your theme's `view.phtml` file for editing. You probably don't want the share buttons to obstruct the page name, add-to-cart area, or the brief description field. So, positioning the social share tool underneath those items is usually a good idea. Locate the snippet in your `view.phtml` file that has the following code:

```
<?php if ($product->getShortDescription()):?>
<div class="short-description">
<h2><?php echo $this->__('Quick Overview') ?></h2>
<div class="std"><?php echo $_helper->productAttribute($product,
nl2br($product->getShortDescription()), 'short_description') ?></div>
</div>
<?phpendif;?>
```

Below this block, you can insert your AddThis social share tool highlighted in the following code so that the code is similar to the following block of code (the `youraddthisusername` value on the last line becomes your AddThis account's username):

```
<?php if ($_product->getShortDescription()):?>
<div class="short-description">
<h2><?php echo $this->__('Quick Overview') ?></h2>
<div class="std"><?php echo $_helper->productAttribute($_product,
nl2br($_product->getShortDescription()), 'short_description') ?></div>
</div>
<?phpendif;?>

<div class="addthis_toolboxaddthis_default_style ">
<a class="addthis_button_facebook_like" fb:like:layout="button_
count"></a>
<a class="addthis_button_tweet"></a>
<a class="addthis_button_pinterest_pinit"
pi:pinit:layout="horizontal"></a>
<a class="addthis_counteraddthis_pill_style"></a>
</div>
<script type="text/javascript">varaddthis_config = {"data_track_
addressbar":true};</script>
<script type="text/javascript" src="//s7.addthis.com/js/300/addthis_
widget.js#pubid=youraddthisusername"></script>
```

If you want to reuse this block in multiple places throughout your store, consider adding this to a static block in Magento and using Magento's XML layout to add the block as required. This is described in *Chapter 4, Magento Layout*.

Once again, refresh the product page on your Magento store and you will see the AddThis toolbar appear as shown in the following screenshot. It allows your customers to begin sharing their favorite products on their preferred social networking sites.

A simple tea bag product

[Email to a Friend](#)
[Be the first to review this product](#)

Availability: In stock
£2.39

Qty: 1 [Add to Cart](#)

OR

[Add to Wishlist](#) | [Add to Compare](#)

Quick Overview
A delicious tea bag great for everyday drinking!

[Like 0](#) [Tweet 0](#) [Pin it](#)

[Share](#)

[ If you can't see your changes, don't forget to clear your caches by navigating to **System | Cache Management**.]

If you want to provide some space between other elements and the AddThis toolbar, add the following CSS to your theme's `styles.css` file:

```
.addthis_toolbox {
margin: 10px 0;
}
```

The resulting product page will now look similar to the following screenshot. You have successfully integrated social sharing tools on your Magento store's product page:

Quick Overview
A delicious tea bag great for everyday drinking!

[Like 0](#) [Tweet 0](#) [Pin it](#)

[Share](#)

Integrating product videos from YouTube into the product page

An increasingly common occurrence on ecommerce stores is the use of video in addition to product photography. The use of videos in product pages can help customers overcome any fears they're not buying the right item and give them a better chance to see the quality of the product they're buying. You can, of course, simply add the HTML provided by YouTube's embedding tool to your product description. However, if you want to insert your video on a specific page within your product template, you can follow the steps described in this section.

Product attributes in Magento

Magento products are constructed from a number of attributes (different fields), such as product name, description, and price. Magento allows you to customize the attributes assigned to products, so you can add new fields to contain more information on your product. Using this method, you can add a new **Video** attribute that will contain the video embedding HTML from YouTube and then insert it into your store's product page template.

An attribute value is text or other content that relates to the attribute, for example, the attribute value for the Product Name attribute might be `Blue Tshirt`.

Magento allows you to create different types of attribute:

- **Text Field:** This is used for short lines of text.
- **Text Area:** This is used for longer blocks of text.
- **Date:** This is used to allow a date to be specified.
- **Yes/No:** This is used to allow a Boolean true or false value to be assigned to the attribute.
- **Dropdown:** This is used to allow just one selection from a list of options to be selected.
- **Multiple Select:** This is used for a combination box type to allow one or more selections to be made from a list of options provided.
- **Price:** This is used to allow a value other than the product's price, special price, tier price, and cost. These fields inherit your store's currency settings.
- **Fixed Product Tax:** This is required in some jurisdictions for certain types of products (for example, those that require an environmental tax to be added).

Creating a new attribute for your video field

Navigate to Catalog | Attributes | Manage Attributes in your Magento store's control panel. From there, click on the Add New Attribute button located near the top-right corner of your screen:

In the **Attribute Properties** panel, enter a value in the **Attribute Code** field that will be used internally in Magento to refer to this. Remember the value you enter here, as you will require it in the next step! We will use `video` as the **Attribute Code** value in this example (this is shown in the following screenshot). You can leave the remaining settings in this panel as they are to allow this newly created attribute to be used with all types of products within your store.

Attribute Properties	
Attribute Code *	<input type="text" value="video"/> <small>For internal use. Must be unique with no spaces. Maximum length of attribute code must be less than 30 symbols</small>
Scope	<input type="text" value="Store View"/> <small>Declare attribute value saving scope</small>
Catalog Input Type for Store Owner	<input type="text" value="Text Field"/>
Default Value	<input type="text"/>
Unique Value	<input type="text" value="No"/> <small>Not shared with other products</small>
Values Required	<input type="text" value="No"/>
Input Validation for Store Owner	<input type="text" value="None"/>
Apply To *	<input type="text" value="All Product Types"/>

In the **Frontend Properties** panel, ensure that **Allow HTML Tags on Frontend** is set to **Yes** (you'll need this enabled to allow you to paste the YouTube embedding HTML into your store and for it to work in the template). This is shown in the following screenshot:

The screenshot shows the 'Frontend Properties' configuration screen. Under the 'Allow HTML Tags on Frontend' section, the dropdown menu is set to 'Yes'. Other settings include 'Use in Quick Search', 'Use in Advanced Search', 'Comparable on Front-end', 'Use In Layered Navigation', 'Use In Search Results Layered Navigation', 'Use for Promo Rule Conditions', and 'Position'.

Now select the **Manage Labels / Options** tab in the left-hand column of your screen and enter a value in the **Admin** and **Default Store View** fields in the **Manage Titles** panel:

The screenshot shows the 'New Product Attribute' configuration screen. In the 'Manage Titles' panel, the 'Admin' field contains 'Video' and the 'Default Store View' field also contains 'Video'. A note at the top of the panel states: 'If you do not specify an option value for a specific store view then the default (Admin) value will be used.'

Then, click on the **Save Attribute** button located near the top-right corner of the screen. Finally, navigate to **Catalog | Attributes | Manage Attribute Sets** and select the attribute set you wish to add your new video attribute to (we will use the **Default** attribute set for this example). In the right-hand column of this screen, you will see the list of **Unassigned Attributes** with the newly created **video** attribute in this list:



Drag-and-drop this attribute into the **Groups** column under the **General** group as shown in the following screenshot:



Click on the **Save Attribute Set** button at the top-right corner of the screen to add the new **video** attribute to the attribute set.

Adding a YouTube video to a product using the new attribute

Once you have added the new attribute to your Magento store, you can add a video to a product. Navigate to **Catalog | Manage Products** and select a product to edit (ensure that it uses one of the attribute sets you added the new video attribute to). The new **Video** field will be visible under the **General** tab:

Short Description *	A delicious tea bag great for everyday drinking!
WYSIWYG Editor	
Video	
SKU *	TEST1
Weight *	10.0000

Insert the embedding code from the YouTube video you wish to use on your product page into this field. The embed code will look like the following:

```
<iframe width="320" height="240" src="//www.youtube.com/embed/dQw4w9WgXcQ?rel=0" frameborder="0" allowfullscreen></iframe>
```

Once you have done that, click on the **Save** button to save the changes to the product.

Inserting the video attribute into your product view template

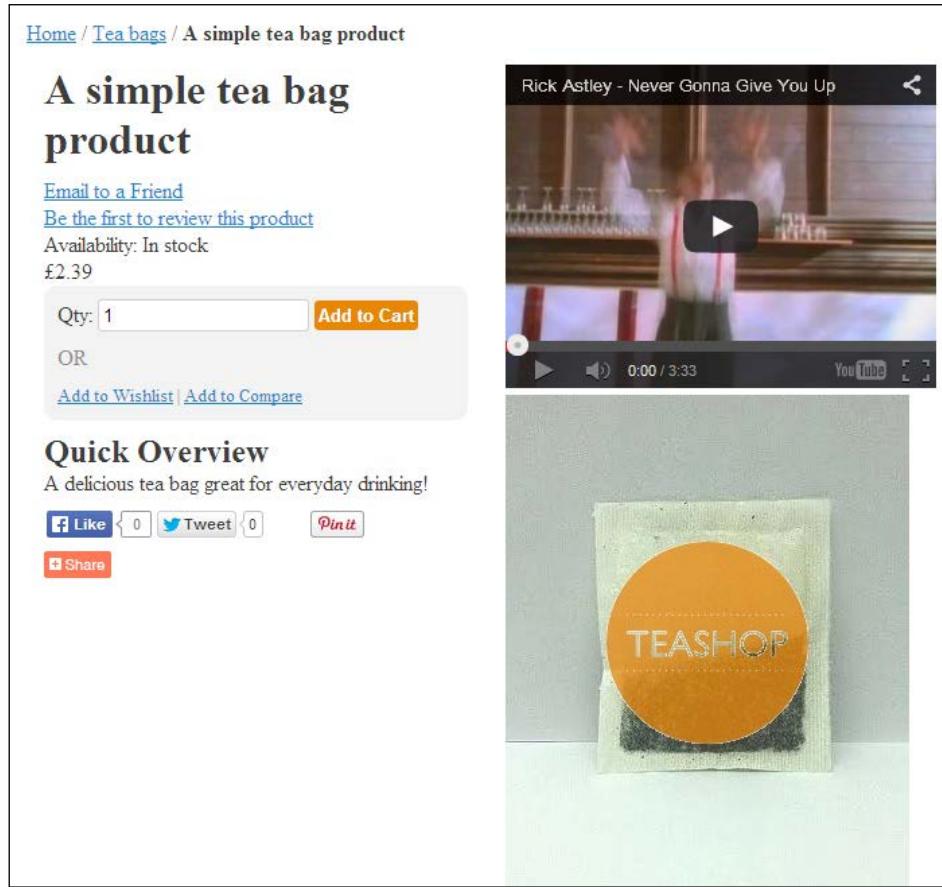
Your final task is to allow the content of the video attribute to be displayed in your product page templates in Magento. Open your theme's `view.phtml` file from `/app/design/frontend/default/m18/catalog/product/` and locate the following snippet of code:

```
<div class="product-img-box">
<?php echo $this->getChildHtml('media') ?>
</div>
```

Add the following highlighted code to the preceding code to check whether a video for the product exists and show it if it does exist:

```
<div class="product-img-box">
<?php
$_video-html = $_product->getResource()->getAttribute('video')-
>getFrontend()->getValue($_product);
if ($_video-html) echo $_video-html ;
?>
<?php echo $this->getChildHtml('media') ?>
</div>
```

If you now refresh the product page that you have added a video to, you will see that the video appears in the same column as the product image. This is shown in the following screenshot:



Summary

In this chapter, we looked at expanding the customization of your Magento theme to include elements from social networking sites. You learned about integrating a Twitter feed and Facebook feed into your Magento store, including social share buttons in your product pages, and integrating product videos from YouTube. In the following chapters, we will look at improving your theme for mobile devices and customizing Magento's transactional e-mail templates.

6

Advanced Magento Theming

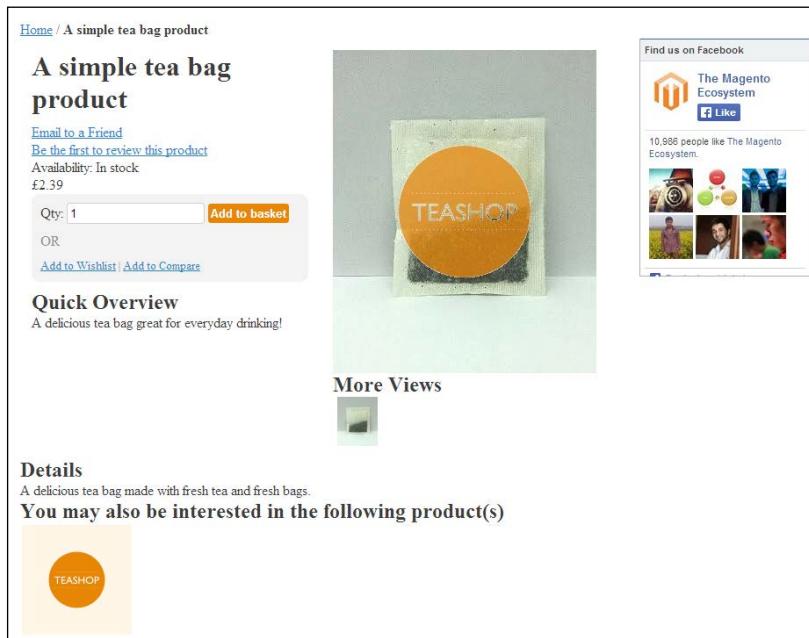
Now you have seen the basics of creating a custom Magento theme, and you will build on this using the following techniques in this chapter:

- Adding a custom print style sheet to your Magento store
- Using locales to translate labels/phrases in your store
- Using @font-face in Magento
- Styling Magento's layered navigation
- Creating a custom 404 "not found" error page
- Using microformats for rich snippets to enhance search engine listings

Adding a custom print style sheet to your Magento store

So far, you've styled your Magento store for electronic screens, but what about for those customers who want to print product pages? Even in this digital age, some customers like to print details of a product and review them offline.

You can specify a separate CSS file in your Magento theme to be applied when your documents are printed. By default, Magento inherits the `print.css` file in the `/skin/frontend/default/default/css/` directory, which provides some basic styling for printed documents, such as removing navigation and the store's footer, as shown in the following screenshot:



As you can see, there is still some work to be done here, as the sidebar content (the Facebook box) isn't functional or useful when the page is printed!

[ You can view the print version of your Magento theme in most browsers by using the **Print preview** tool.]

You can overwrite the `print.css` style sheet for your theme by creating a file called `print.css` in your theme's `css` directory (for example, `/skin/frontend/default/m18/css/`), but this will overwrite some of the work that the base print style sheet already does to help style your store's pages better for printing. Instead of overwriting this file, you can add another CSS file to add custom style instructions for printing.

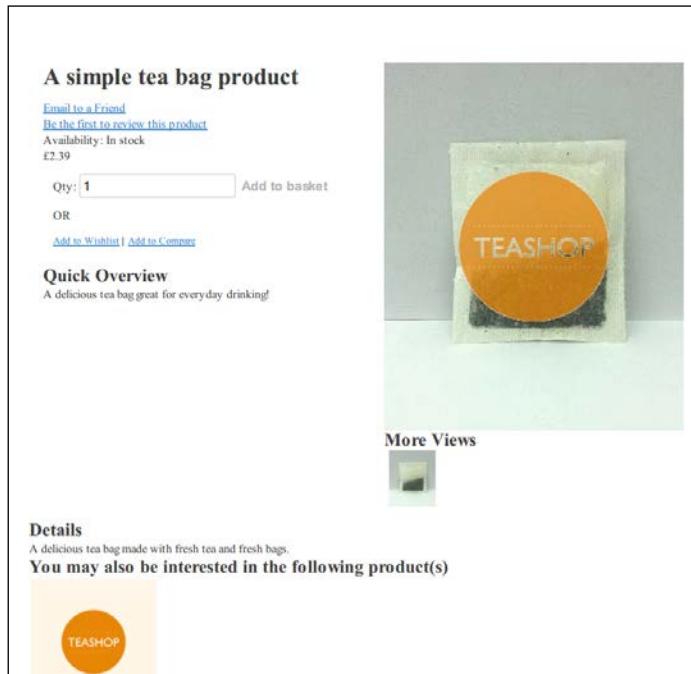
To do this, open your theme's local.xml file (in the /app/design/frontend/default/m18/layout/ directory) and add the highlighted XML instruction within the <default> handle:

```
<default>
<reference name="head">
    <action method="addCss">
        <name>css/print-custom.css</name>
        <params>media="print"</params>
    </action>
</reference>
</default>
```

You can now create a new CSS file called print-custom.css in the /skin/frontend/default/m18/css/ directory and begin to add the print CSS specific to your new Magento theme:

```
.sidebar {
display: none;
}
```

If you now refresh the print preview of the page, you will see that the sidebar has been hidden in the following screenshot, and the content printed is much more useful!



Using locales to translate phrases in your store

Magento supports multilingual stores, and offers locale files to allow content in the interface to be translated. Page and product content is translated through Magento's administration panel (for example, you will have an English "terms and conditions" page and a separate "terms and conditions" page for the French version of your store). Interface labels—such as the text in buttons and the user bar—can be translated by adding a locale file to your Magento theme.

At the moment, our Magento theme displays the text as **Add to Cart** on the product screen:

Home / Another simple tea bag product

Another simple tea bag product

[Email to a Friend](#)
[Be the first to review this product](#)

Availability: In stock
£2.99

Qty: [Add to Cart](#)

OR

[Add to Wishlist](#) | [Add to Compare](#)

Quick Overview
Another delicious tea bag great for everyday drinking!

[Like](#) 0 [Tweet](#) 0 [Pin it](#)

[Share](#)

More Views

By using Magento locale files, you can change the wording to something more appropriate for your store; in the following example, **Add to Cart** will be changed to **Add to basket**.

Creating a Magento locale file

A Magento locale file is a **Comma Separate Values (CSV)** file, which contains alternate translations for specified labels in your store's interface. The default text for this phrase is in the left-hand column; the right-hand column contains the new translation for this text.

[ You can download the official locale files for Magento in many languages from <http://www.magentocommerce.com/translations>.]

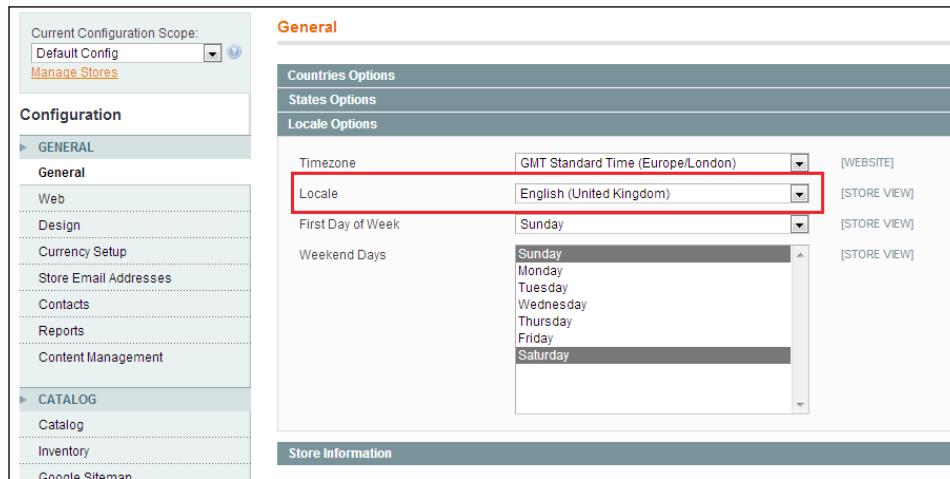
Create a file called `translate.csv` in the `/app/design/frontend/default/m18/locale/en_GB/` directory. The last directory's name equates to the locale language's ISO 639 code; `en_GB` indicates that this is a British English translation. Add the following line for a change in the button's label on the product page highlighted above:

```
"Add to Cart", "Add to basket"
```

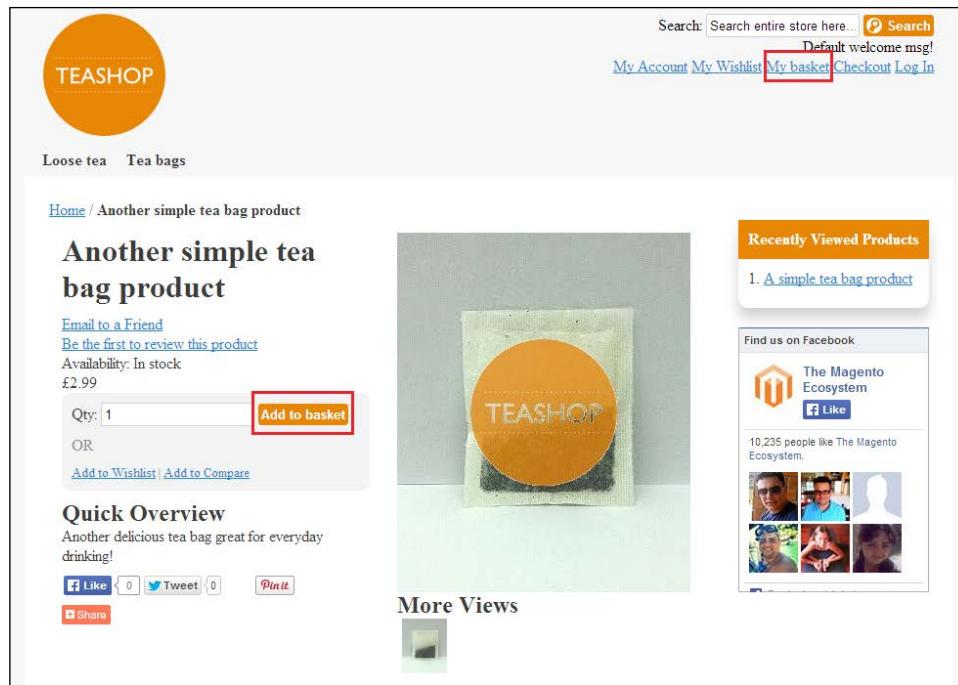
You can add more translations for your store's theme in this locale file by adding one phrase per line:

```
"Add to Cart", "Add to basket"
"My Cart", "My basket"
"Cart", "Basket"
```

You now need to navigate to **System | Configuration**, and select **Locale Options** under the **General** tab to see the value of the **Locale** field; in the following screenshot, it is set to **English (United Kingdom)**:



If you have changed the value of **Locale**, click on the **Save Config** button at the top-right corner of the screen and refresh your store once you've saved these changes. You should now be able to see the new translations, as shown in the following screenshot:



The translate function

Only the text filtered through the `__()` function, which is an alias (alternate name) of the `translate()` function, is translated in this way. For example, the following code snippet will allow you to translate the text of the heading through locale files:

```
<h2><?php echo $this->__('Create an Account') ?></h2>
```

Alternatively, the following example, which does not use the `__()` function, will not use the alternate text provided in the locale file:

```
<h2>Create an Account</h2>
```

You can also enable inline translation for your Magento store by navigating to **System | Configuration | Developer | Translate Inline**.

Using Google Web Fonts and @font-face

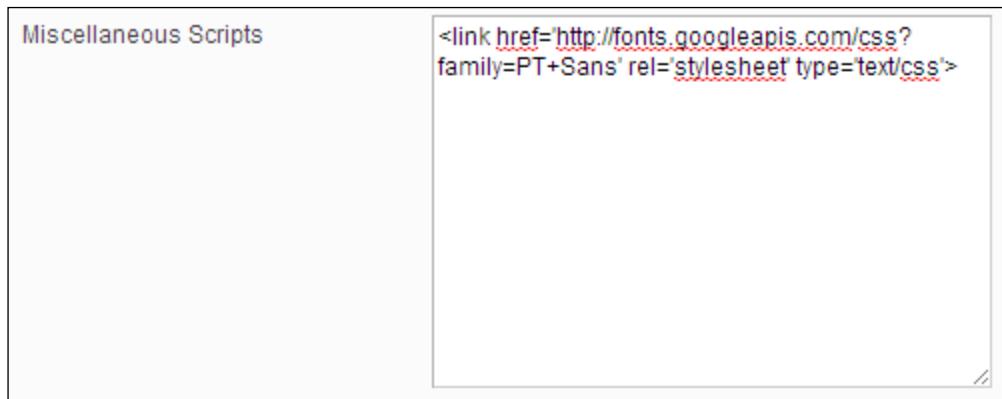
With the advent of the @font-face support across browsers, you can use custom fonts from services such as Google Web Fonts (<https://www.google.com/fonts/>) in your Magento theme.

Including Google Web Font in your store's theme

Once you have selected a font to use, copy the code that Google Fonts provides to embed the CSS, which will look something like the following:

```
<link href='//fonts.googleapis.com/css?family=PT+Sans'>  
      rel='stylesheet' type='text/css'>
```

Navigate to **System | Configuration** in your Magento store's administration panel and paste this in the **Miscellaneous Scripts** field, which is in the **HTML Head** panel under the **Design** tab, as shown in the following screenshot:



Click on the **Save Config** button at the top-right corner of the screen to save this change.

This step ensures that the font is available to be used in your theme; the next step is to use the font in your theme's style sheets.

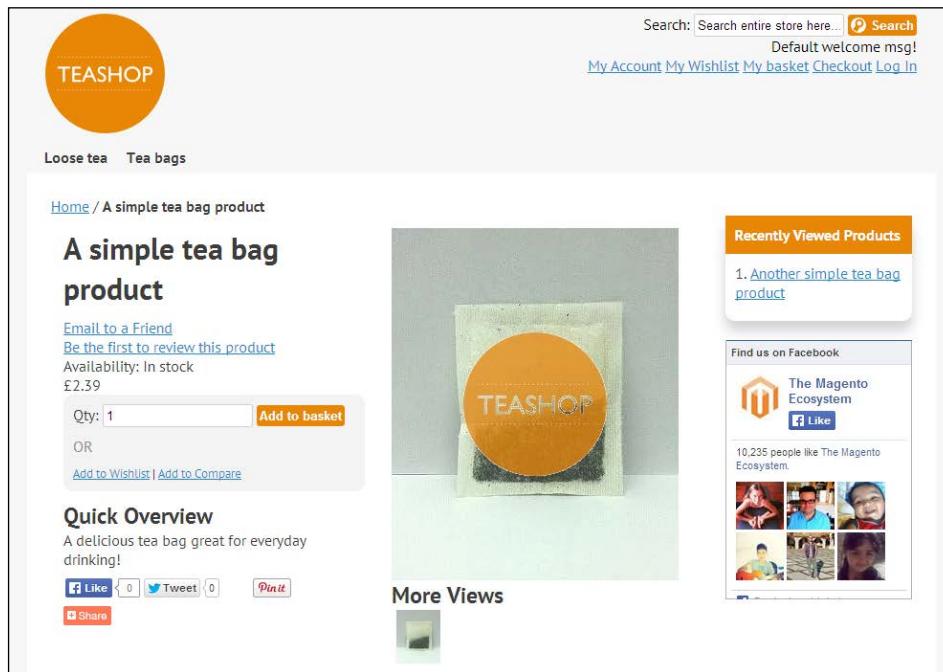
Google's Web Font performance is okay for desktop visitors, but may slow down your store for mobile/tablet visitors on limited connections. As such, it will be better to host the EOT, WOFF or TTF font files used in your theme's @font-face rules locally on your store's server (or via a Content Distribution Network).

Referencing Google Web Font in your Magento theme's style sheet

Open your theme's `styles.css` file (in the `/skin/frontend/default/m18/css/` directory) and you can use the `font-family` attribute to change the font. In this example, the font is changed through the website using the `body` element:

```
body {  
    font-family: "PT Sans", "Alike", "Times New Roman", serif;  
}
```

Once you have saved this, you will see the new font from the Google Fonts service being used throughout your Magento theme:



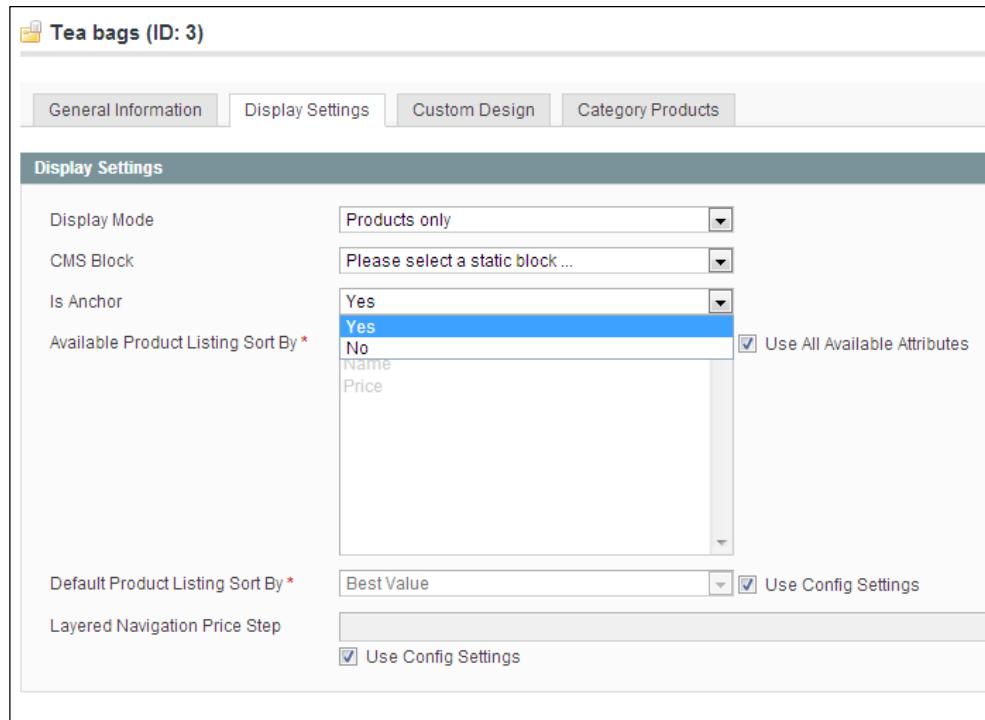
Styling Magento's layered navigation

One of Magento's most used features is layered navigation, which allows customers to filter products at a category level based on your products' attributes (such as color, price, and size).

Enabling layered navigation in Magento categories

Before you can style Magento's layered navigation, you will need to ensure that your categories are configured to allow layered navigation.

To do this, log in to your Magento administration panel and navigate to **Catalog | Manage Categories**. From there, select the category you wish to enable layered navigation for, open the **Display Settings** tab, and set the **Is Anchor** field to **Yes**, as shown in the following screenshot:

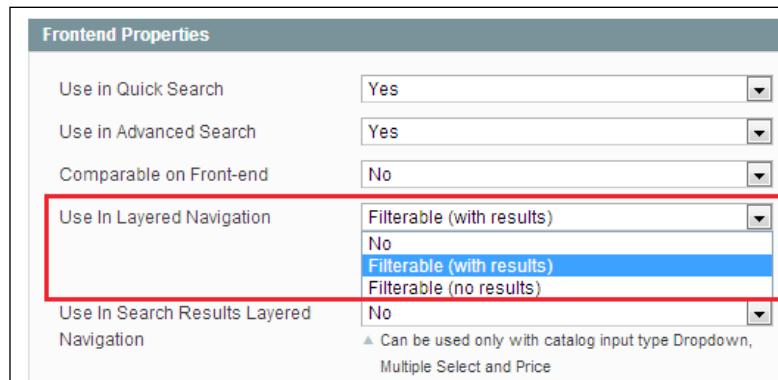


Click on the **Save Category** button at the top-right corner of the screen to assign this change to the category.

Assigning attributes for layered navigation

Next, you need to ensure that the attributes used for the products in the category you altered previously are available for use in layered navigation. Navigate to **Catalog | Attributes | Manage Attributes** and select an attribute from the list (the example shown below uses **price** since this is used by products within our existing **Tea bags** category).

In the **Frontend Properties** panel, set the **Use In Layered Navigation** field to **Filterable (with results)** as shown in the following screenshot:



Setting this to **Filterable (no results)** will show attribute values in the layered navigation even if there are no results.

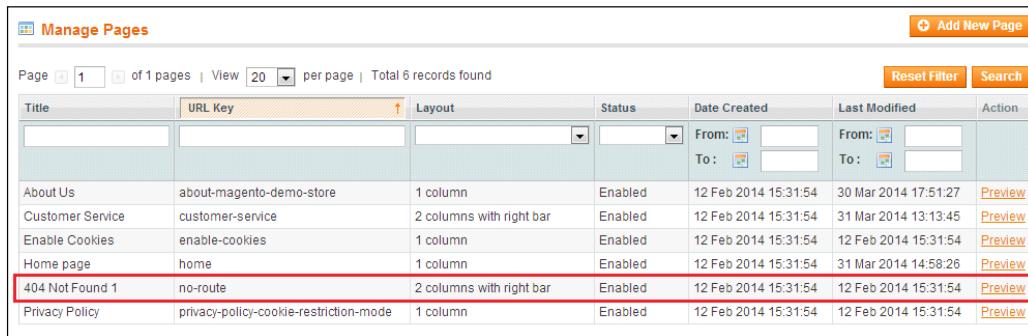


Creating a custom 404 "not found" error page

Even the best designed stores can lead customers to pages that don't exist anymore, and customizing your **Not Found** page template can be a good way to retain customers who have lost their way.

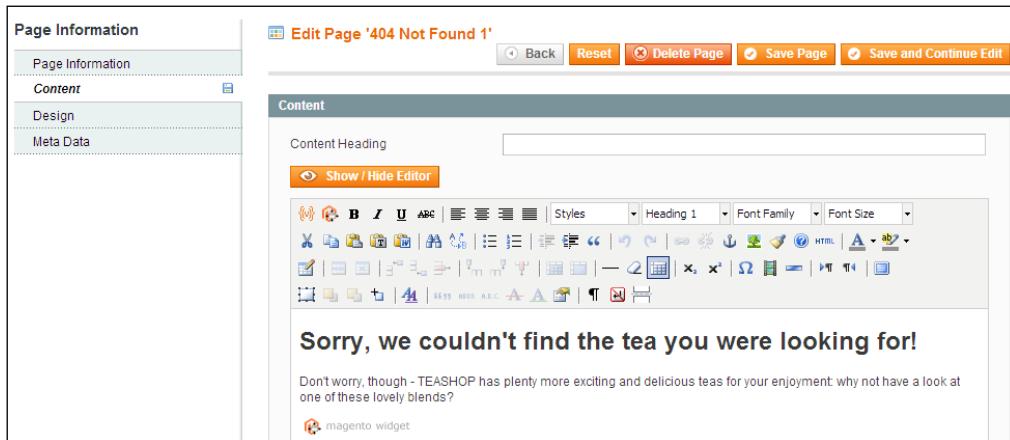
Altering the error page's content

The content of the Magento's error page is stored in the Magento's CMS tool, so you can start altering content here by navigating to **CMS | Manage Pages** and locating the **404 Not Found 1** page, as shown in the following screenshot:



Title	URL Key	Layout	Status	Date Created	Last Modified	Action
About Us	about-magento-demo-store	1 column	Enabled	12 Feb 2014 15:31:54	30 Mar 2014 17:51:27	Preview
Customer Service	customer-service	2 columns with right bar	Enabled	12 Feb 2014 15:31:54	31 Mar 2014 13:13:45	Preview
Enable Cookies	enable-cookies	1 column	Enabled	12 Feb 2014 15:31:54	12 Feb 2014 15:31:54	Preview
Home page	home	1 column	Enabled	12 Feb 2014 15:31:54	31 Mar 2014 14:58:26	Preview
404 Not Found 1	no-route	2 columns with right bar	Enabled	12 Feb 2014 15:31:54	12 Feb 2014 15:31:54	Preview
Privacy Policy	privacy-policy-cookie-restriction-mode	1 column	Enabled	12 Feb 2014 15:31:54	12 Feb 2014 15:31:54	Preview

In the **Content** tab, customize your content for the error page. The following example used the **Recently Viewed Products** widget to display a selection of products the customer may be interested in:



Edit Page '404 Not Found 1'

Content

Content Heading

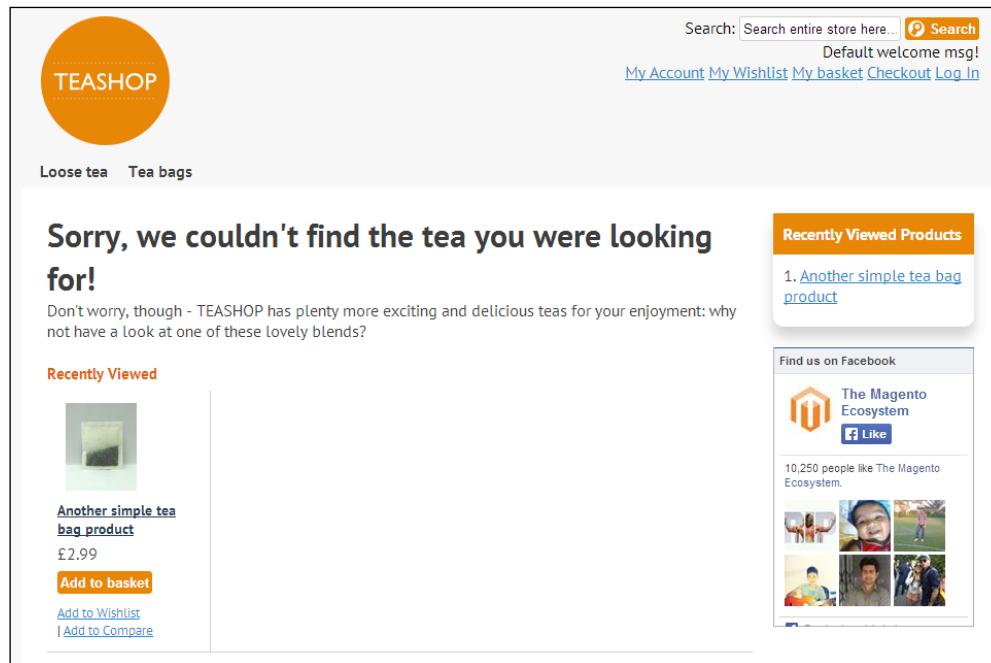
Show / Hide Editor

Sorry, we couldn't find the tea you were looking for!

Don't worry, though - TEASHOP has plenty more exciting and delicious teas for your enjoyment: why not have a look at one of these lovely blends?

magento widget

Click on the **Save Page** button at the top-right corner of the screen and you'll see your new content appear when you try to visit a page that doesn't exist on your store:



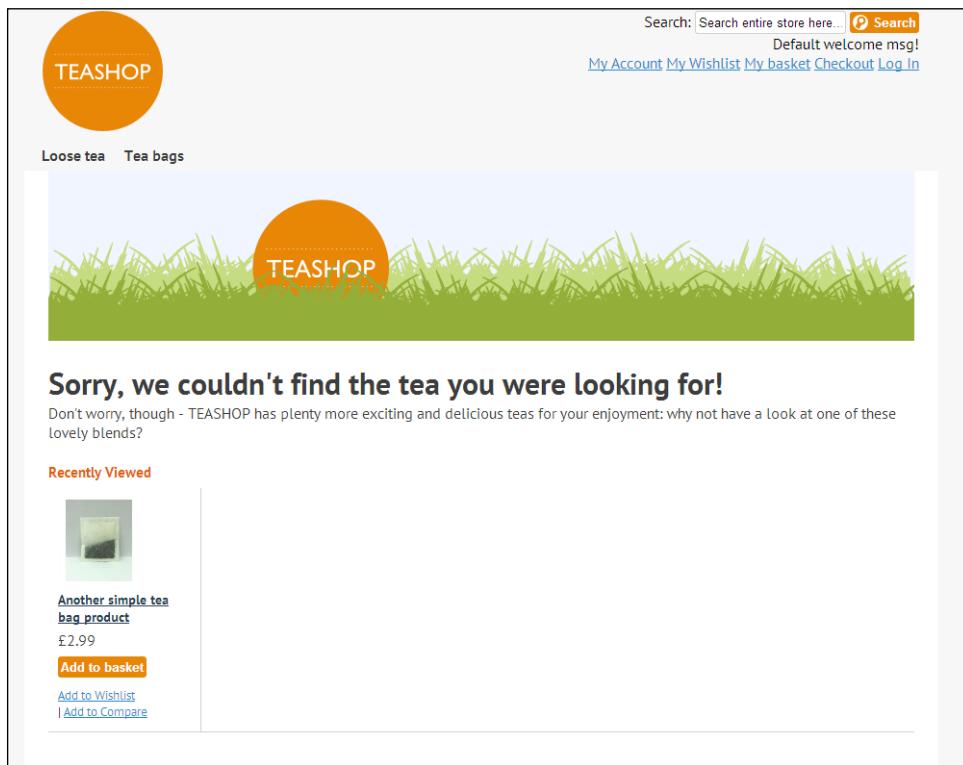
To minimize the clutter on this page and help the customer find what they're looking for, you can set the error page's **Page Layout** under the **Design** tab in Magento's CMS tool to **1 column**, as shown in the following screenshot:

A screenshot of the Magento CMS Page Editor. On the left, a sidebar menu lists "Page Information", "Page Information", "Content", "Design", and "Meta Data". The main content area shows a success message "The page has been saved." and a link to "Edit Page '404 Not Found 1'". Under the "Page Layout" tab, the "Layout" dropdown is set to "1 column", which is highlighted in blue. Other options in the dropdown include "Empty", "2 columns with left bar", "2 columns with right bar", and "3 columns".

Once again, click on the **Save Page** button at the top-right corner of your screen to set the changed page layout. Finally, you can add a background image to your error page to further customize it and reassure customers a little. Open your theme's `styles.css` file from `/skin/frontend/default/m18/css/` and add the following CSS to apply the `404_bg.png` image in `/skin/frontend/default/m18/images/` to the error page template:

```
body.cms-index-noroute .main {  
background: #fff url("../images/404_bg.png") no-repeat top center;  
padding-top: 200px;  
}
```

Once you have saved the change to the CSS and new image, refresh the error page to see the change take effect, as shown in the following screenshot:

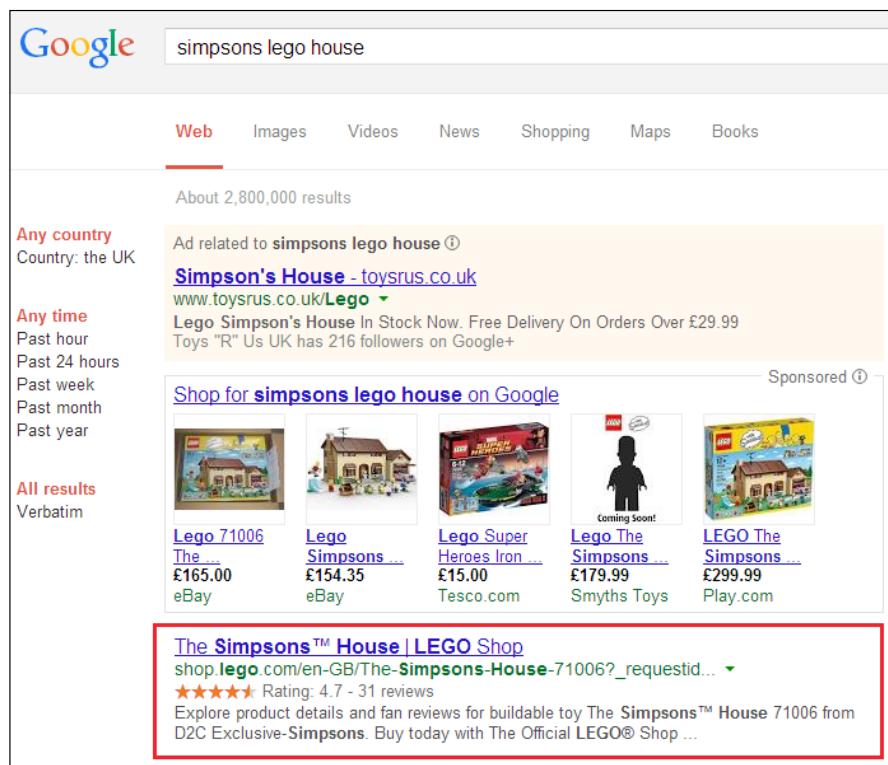


That's it! Your Magento store's custom 404 error page is now complete.

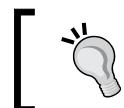
Using snippets to enhance search engine listings

Rich snippets are an enhanced way of providing information about the type of content on your website to search engines.

For example, rich snippets can allow search engines such as Google to display product ratings on the search engine results page, such as the Google search engine listing for a product on www.lego.com highlighted at the bottom of the following screenshot (below the paid advertisements):



Rich snippets on the website allow Google to display the star rating for the product alongside the overall rating and number of reviews.



For more information on rich snippets, visit <https://support.google.com/webmasters/answer/99170>.

To implement the ratings-rich snippet, copy the `summary.phtml` file in the `app/design/frontend/base/default/template/review/helper/` folder to `app/design/frontend/default/m18/template/review/helper/`, and open it to include the following highlighted code:

```
<div itemprop="aggregateRating" itemscope itemtype="http://schema.org/AggregateRating">
<?php if ($this->getReviewsCount()): ?>
<meta itemprop="ratingValue" content="<?php echo $this->getRatingSummary(); ?>"/>
<meta itemprop="reviewCount" content="<?php echo $this->getReviewsCount(); ?> />
<meta itemprop="worstRating" content="0"/>
<meta itemprop="bestRating" content="100"/>
<div class="ratings">
<?php if ($this->getRatingSummary()):?>
<div class="rating-box">
<div class="rating" style="width:<?php echo $this->getRatingSummary() ?>%></div>
</div>
<?php endif;?>
<p class="rating-links">
<a href="<?php echo $this->getReviewsUrl() ?>"><?php echo $this->__('%d Review(s)', $this->getReviewsCount()) ?></a>
<span class="separator">|</span>
<a href="<?php echo $this->getReviewsUrl() ?>#review-form"><?php echo $this->__('Add Your Review') ?></a>
</p>
</div>
<?php elseif ($this->getDisplayIfEmpty()): ?>
<p class="no-rating"><a href="<?php echo $this->getReviewsUrl() ?>#review-form"><?php echo $this->__('Be the first to review this product') ?></a></p>
<?php endif; ?>
</div>
```

Save this file to your Magento store's theme and your rich snippet is ready to go.



Remember, including the preceding code is only a request for search engines to display this information in their results list, and they might not necessarily use this.

Summary

In this chapter, you looked at a range of more advanced techniques to customize your Magento theme with styling your Magento store further for print, using Magento locales to alter interface text, using @font-face from Google Web Fonts, styling Magento's layered navigation, creating a custom 404 "not found" error page, and using microformats for rich snippets to enhance search engine listings.

Further chapters look at improving your Magento store for mobile and tablet devices and customizing Magento's e-mail templates that are sent to customers.

7

Magento Theming for Mobile and Tablet Devices

So far, your new Magento theme has focused on building a custom design for your store for devices with larger screens, such as desktop computers and laptops. In this chapter, you will start customizing your Magento theme for devices with different screen sizes, such as smartphones and tablet computers. We will cover the following topics:

- Using CSS media queries to create breakpoints for different device widths
- Making images responsive for your Magento theme
- Developing responsive navigation for your Magento theme
- Adding mobile homepage icons for Windows and Apple devices to your Magento theme

Using CSS media queries to create breakpoints for different device widths

One of the ways in which you can get your Magento theme to adapt to your customer's device and provide them with an experience more tailored to their needs is to use CSS media queries to alter the style and layout of your Magento store for different screen sizes.

Adding the meta viewport element to your Magento theme

Firstly, you will need to add the meta viewport element to the `<head>` element of your Magento theme. This will tell the device viewing your store to fit the store to the width of the available device's screen.

Open your theme's `local.xml` file under `/app/design/frontend/default/m18/layout/` and add the XML highlighted in the following code within the `<default>` handle of the `<reference name="head">` element:

```
<default>
    <reference name="head">
        <block type="core/text" name="meta.viewport">
            <action method="setText">
                <meta><! [CDATA[<meta name="viewport" content="width=device-width, initial-scale=1.0" />]]></meta>
            </action>
        </block>
    </reference>
</default>
```

Once you have saved this file, you can begin to work on CSS within your media query.

Adding a CSS media query to your style sheet

Open your theme's `styles.css` file (located in the `/skin/frontend/default/m18/css/` directory), and add the following CSS towards the bottom of your file:

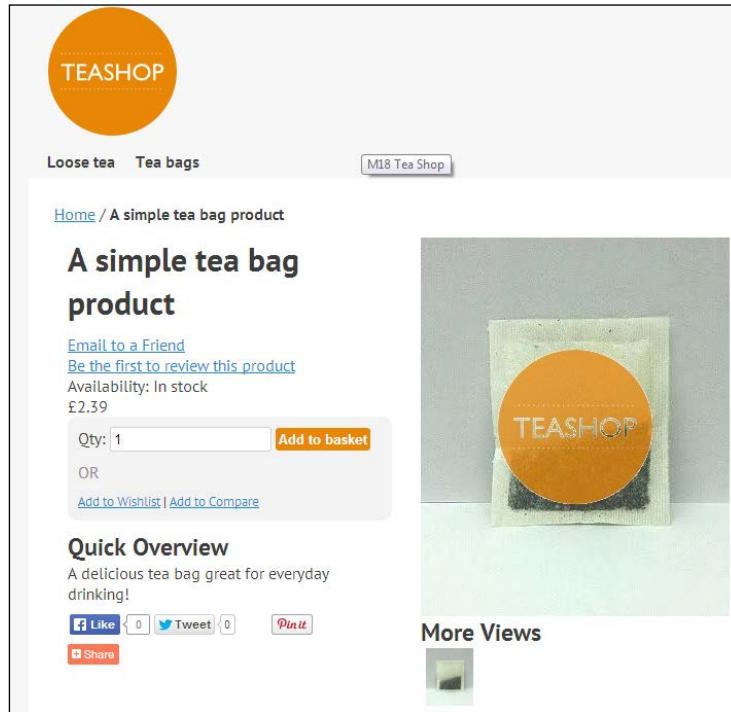
```
@media only screen and (min-width: 50em) {
    /* Your CSS applied only to larger screens goes here */
}
```



Note that support for media queries in older browsers is limited; visit <http://caniuse.com/css-mediaqueries> for more details.

The CSS you add between the curly braces of the `@media` query here is applied only to devices that are using a `screen` media type and have a minimum width of `50em`—roughly equivalent to most larger desktop computer monitors.

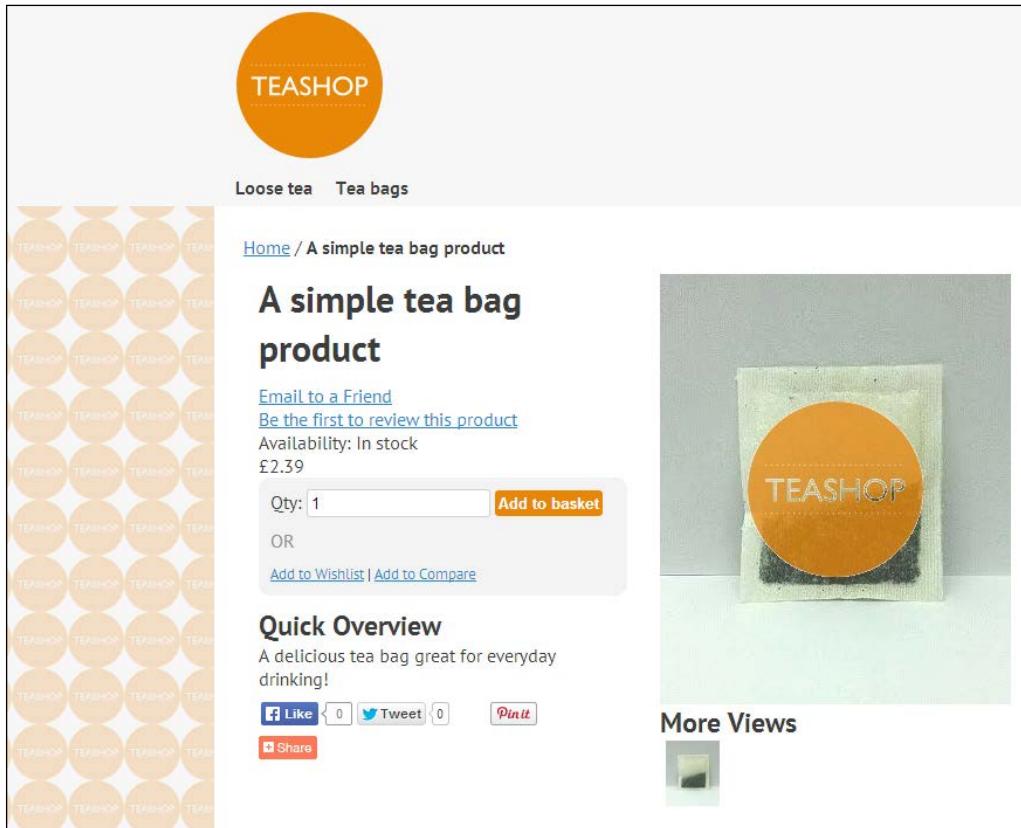
For larger screens, the background of your theme is currently looking a little bare, as you can see in the following screenshot. There is currently a lot of space around the page itself.



You can provide a background image for the `.main-container` element of your store that appears only for larger-screened devices by including the following CSS in your theme's `styles.css` file:

```
@media only screen and (min-width: 50em) {  
    .main-container {  
        background: #f6f6f6 url("../images/body_bg.png") repeat center  
        center;  
    }  
}
```

If you now refresh your store, you'll see the new pattern take effect as shown in the following screenshot:



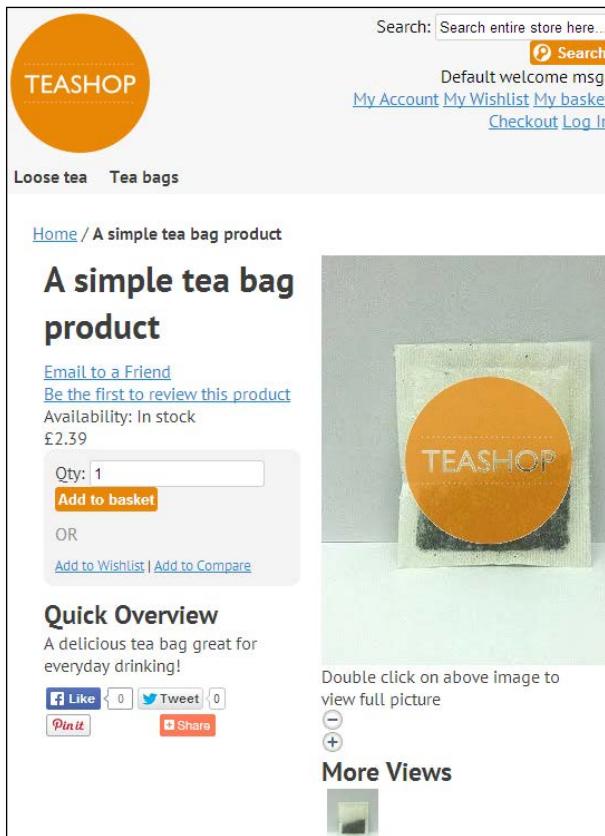
As always, if you can't see your changes, clear Magento's caches by navigating to **System | Cache Management**.

By using CSS media queries such as the preceding one, you can create a responsive Magento theme for your store – defining different layouts to better organize your store's content for those on different sized screens. To do this, first comment out the widths defined outside the media query you just created, which will collapse the layout for your theme in to a single column for devices with smaller screens:

```
.wrapper {  
/* min-width:954px; */  
}
```

```
.main {  
background:#fff;  
color: #333;  
margin:0 auto;  
min-height:400px;  
padding:25px 25px 80px;  
text-align:left;  
/* width:900px; */  
}  
.col-left {  
float:left;  
padding:0 0 1px;  
/* width:195px; */  
}  
.col-main {  
float:left;  
padding:0 0 1px;  
/* width:685px; */  
}  
.col-right {  
float:right;  
padding:0 0 1px;  
/* width:195px; */  
}  
.col1-layout .col-main {  
float:none;  
width:auto  
}  
.col3-layout .col-main {  
margin-left:17px;  
/* width:475px; */  
}  
.col3-layout .col-wrapper {  
float:left;  
/* width:687px; */  
}
```

So, on smaller screen devices (with a width less than the 50em you defined in the media query earlier), you will see the simplified layout:

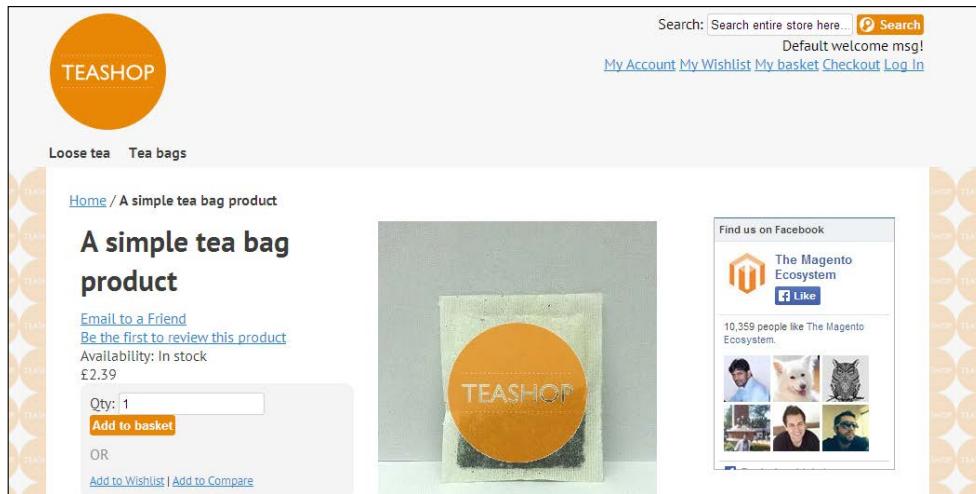


If you do not define some widths for the columns in your Magento theme within the media query you created earlier, this is how your store will appear on larger screens too. To rectify this, open your theme's `styles.css` file once again and add the following CSS within the media query:

```
.header, #nav, .footer {  
    margin: 0 auto;  
    max-width: 60em;  
    width: 100%;  
}  
.main-col, .col-right, .col-left {  
    margin: 0 1%;  
    padding: 1%;  
}
```

```
.main {
    width:900px;
}
.col-left, .col-right {
    width: 21%;
}
.col-main {
    width: 71%;
}
.col1-layout .col-main {
    float:none;
    width:auto;
}
.col3-layout .col-main {
    width: 46%;
}
.col3-layout .col-wrapper {
    float:left;
    width: 71%;
}
```

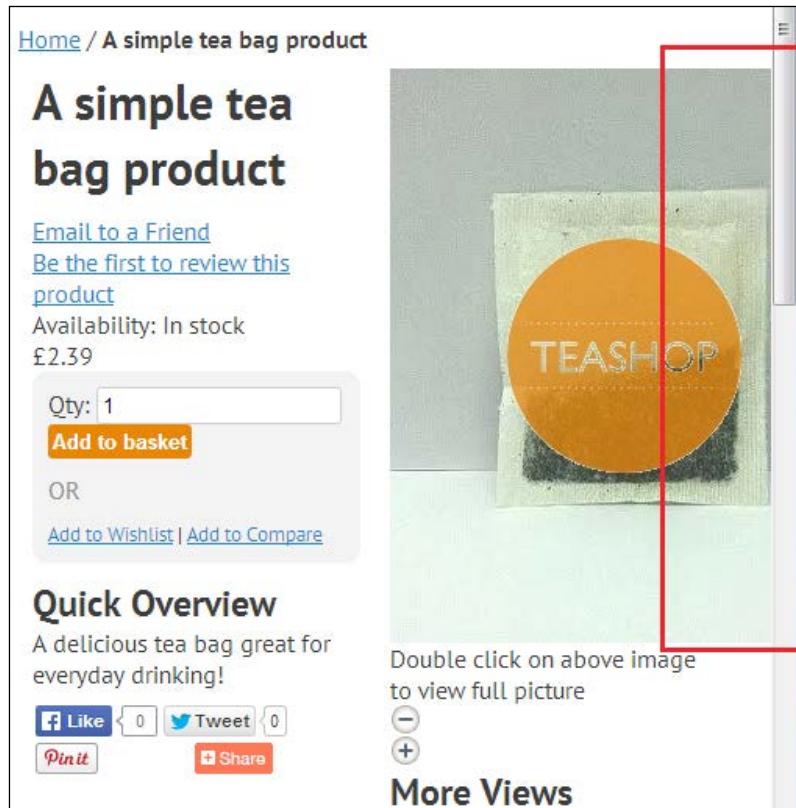
This provides browsers with enough styling to display your store's content as columns for customers who use larger screens like your original Magento theme did before you added the media query to your style sheet. If you now view your Magento theme on a larger screen, you'll see that the layout is back to its previous state as shown in the following screenshot:



That's it! You have the basics of media queries working in your Magento theme now, and you can add and adapt CSS as your store's design requires!

Making images responsive for your Magento theme

Images are very important on your Magento store to ensure that your customers can see what they're buying. If you look at a product page on your Magento store at the moment, you'll see that the product image hugely overflows the column's width available to it, as you can see from the highlighted portion of the following screenshot:

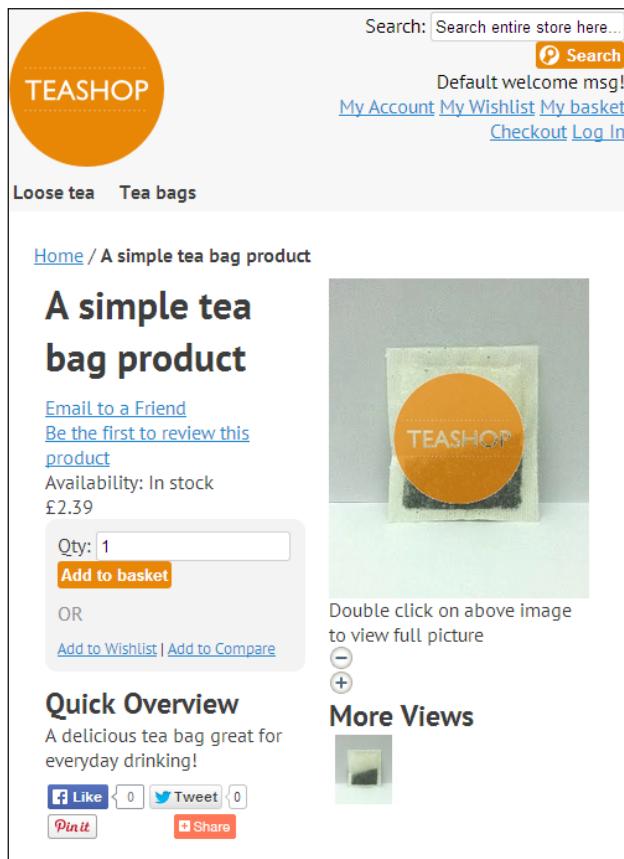


The easiest way to ensure that your store's images will be resized to sensible dimensions is to set the `max-width` attribute of the `img` element to `100%` to ensure no image becomes larger than its container.

Open your theme's `styles.css` file in the `/skin/frontend/default/m18/css/` directory and add the following CSS to it to help ensure images are resized to the width they have available in the page's layout, their height-to-width ratio is retained, and images are not stretched out of proportion:

```
img,
img[height],
img[style],
img[width],
img#image {
    height: auto !important;
    max-width: 100% !important;
    width: auto !important;
}
```

Once you have saved this addition, refresh your product page again and you'll see that your product photograph is constrained to the width it has available, as follows:



Developing responsive navigation

Another critical area for all customers is your navigation – they need to be able to find the products they are looking for easily, after all. Mobiles, tablets, and devices with smaller screens present new challenges in terms of how to present the navigation in a clear way so that users on touchscreen devices will find it easy to interact with.

Firstly, you will need to move the current navigational styling in to the media query for larger screens. So, copy the following CSS code in to the media query you created earlier in this chapter:

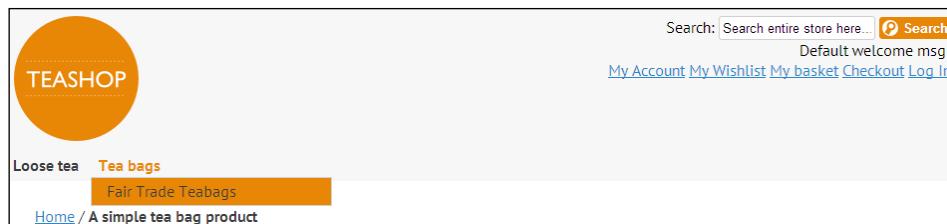
```
@media only screen and (min-width: 50em) {  
    #nav li.over{z-index:998}  
    #nav a,#nav a:hover{display:block;line-height:1.3em;text-decoration:none}  
    #nav span{cursor:pointer;display:block;white-space:nowrap}  
    #nav li ul span{white-space:normal}  
    #nav ul li.parent a{background: none}  
    #nav ul li.parent li a{background-image:none}  
    #nav a{color:#333;float:left;font-weight:700;padding:5px 12px 6px 8px}  
    #nav ul li,#nav ul li.active{background:#e57d04;float:none;margin:0;padding-bottom:1px}  
    #nav ul li.last{padding-bottom:0}  
    #nav ul a,#nav ul a:hover{background:none;float:none;padding:0}  
    #nav ul li a{background:#fff;font-weight:400!important}  
    #nav ul,#nav div{border:1px solid #ccc;left:-10000px;position:absolute;top:27px;width:15em}  
    #nav div ul{border:none;position:static;width:auto}  
    #nav ul ul,#nav ul div{top:5px}  
    #nav ul li a:hover{background:#e57d04}  
    #nav ul li a,#nav ul li a:hover{color:#333!important}  
    #nav ul span,#nav ul li.last li span{padding:3px 15px 4px}  
    #nav li ul.shown-sub,#nav li div.shown-sub{left:0;z-index:999}  
    #nav li .shown-sub ul.shown-sub,#nav li .shown-sub li div.shown-sub{left:100px}  
    #nav li.active a,#nav li.over a,#nav a:hover{color:#e57d04}  
}
```

Next, you can define some styles inside a new media query to style how the navigation appears for devices with smaller screens:

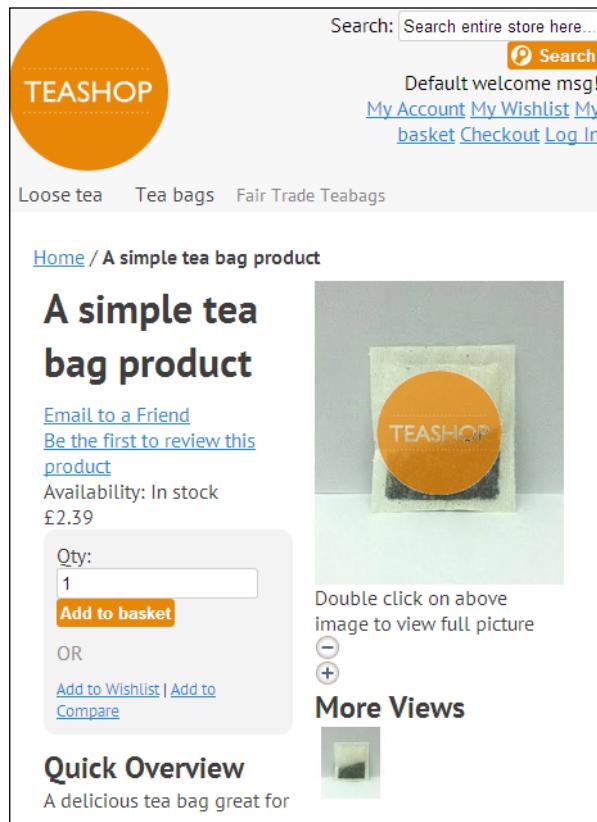
```
@media only screen and (max-width: 49.99999em) {  
    #nav a {  
        color: #333;
```

```
display: inline-block;
padding: 0.25em 0.5em;
text-decoration: none;
}
#nav a:hover {
color: #aaa;
text-decoration: underline;
}
#nav ul {
display: inline;
}
#nav li {
display: inline;
float: left;
margin: 0 1%;
}
#nav ul.level0 {
display: inline;
}
#nav ul.level0 li {
float: none;
width: 100%;
}
#nav ul.level0 a {
color: #777;
font-size: 0.9em;
}
}
```

Including the CSS in a media query for screen widths less than `49.999em` means that this CSS won't clash with the other CSS for drop-down navigations for larger screens. This is shown in the following screenshot:



On a device with a smaller screen, the navigation is displayed as you defined it in the smaller media query, making it easier for customers to find their desired product category.



Adding mobile icons for Windows and Apple devices

With the increasing popularity of smartphones, it's not enough to just provide a favorites icon any more; these don't work as effectively on mobile devices, but you can provide alternate icons for use on Apple, Android, and Windows devices.

Adding an Apple home icon to your Magento store

You can specify the Apple icon that will be used when customers save your store to their device's home screen with the addition of elements to your store's `<head>` element.



Android devices will also make use of these icons as long as the `rel` value in the link elements that reference the icons are set to `rel=apple-touch-icon` or `rel=apple-touch-icon-precomposed`.

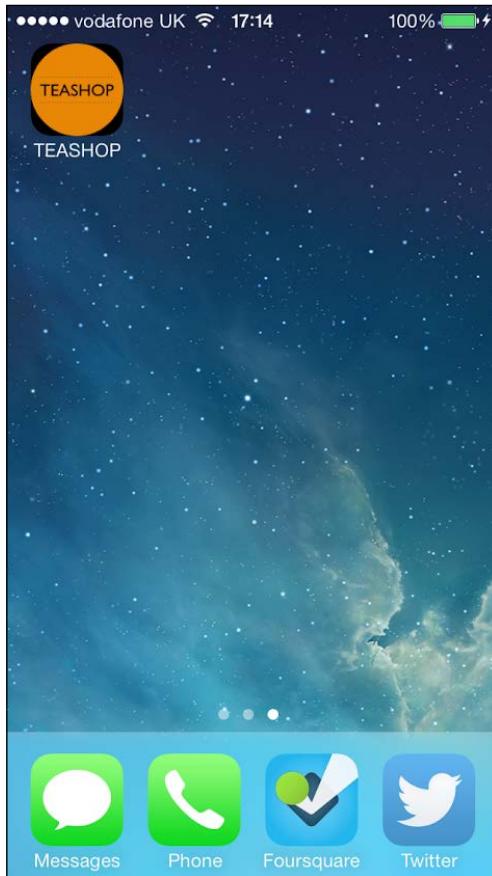
Copy the `head.phtml` file under `/app/design/frontend/base/default/template/page/html/` to `/app/design/frontend/default/m18/template/page/html/`. Open your theme's `head.phtml` file and insert the following code at the bottom of the file to cater for the variety of sizes Apple devices can use:

```
<link rel="apple-touch-icon" href="php echo $this-&gt;getSkinUrl('images/icon-iphone.png') ?&gt;" /&gt;
&lt;link rel="apple-touch-icon" sizes="72x72" href="<?php echo $this-&gt;getSkinUrl('images/icon-ipad.png') ?&gt;" /&gt;
&lt;link rel="apple-touch-icon" sizes="114x114" href="<?php echo $this-&gt;getSkinUrl('images/icon-iphone_retina.png') ?&gt;" /&gt;
&lt;link rel="apple-touch-icon" sizes="144x144" href="<?php echo $this-&gt;getSkinUrl('images/icon-ipad-retina.png') ?&gt;" /&gt;</pre
```

Once you have done this, you'll need to save the icon images in your theme's `/images/` directory. You will require the following sizes:

- 57 x 57 pixels for iPhones
- 72 x 72 pixels for iPads
- 114 x 144 pixels for iPhones with retina displays
- 144 x 144 pixels for iPads with retina displays

If you now refresh your store and use the **Add To Home Screen** option in your browser, and you will see that the appropriate icon is used:



Adding a Windows icon to your Magento store

Microsoft also allows you to specify an icon used in Internet Explorer in Windows 8 and above. Edit your theme's `head.phtml` file again, which is located in the `/app/design/frontend/default/m18/template/page/html/` directory. At the bottom of the file, add the following lines:

```
<meta name="msapplication-TileColor" content="#7F6A00"/>
<meta name="msapplication-TileImage" content="<?php echo $this->getSkinUrl('images/icon-windows.png') ?>" />
```

Save your icon image as 64 x 64 pixels in your theme's image directory. You can specify the `TileColor` value too to define the color of the block that will contain the icon on Windows' tile system.

Summary

This chapter introduced some methods to improve your store for visitors on a range of devices. This allows you to use CSS media queries to create breakpoints for different device widths, make images responsive, develop responsive navigation for your Magento theme, and add mobile homepage icons for Windows and Apple devices to your Magento theme.

In the next chapter, you will learn how to customize Magento's transactional e-mails to help you further improve customers' experience of your store.

8

Magento E-mail Templates

So far, you've looked at styling your Magento store for customers, but what about the transaction e-mails Magento sends your customers when they place an order? This chapter covers the following topics:

- Changing the e-mail template logo
- Altering colors of the e-mail templates
- Altering variables in Magento e-mail templates
- Adding static block content to your Magento e-mail templates
- Integrating a MailChimp subscription form into your Magento store
- Integrating a Campaign Monitor subscription form into your Magento store

Working with Magento e-mail templates

Working with e-mail templates is quite different than working with websites, so you may find the following information of use in this chapter:

- Customizing e-mail markup is a tricky business: the HTML used in e-mail templates needs to follow strict guidelines. You may find Campaign Monitor's resources at <https://www.campaignmonitor.com/resources/will-it-work/>.
- Various e-mail clients will display the e-mails in various ways, much like different browsers can display the same website differently.
- It is always recommended to retain as much as possible from Magento's default e-mail templates in order to make sure the mails are displayed correctly on as many clients as possible. This will also make the Magento upgrade progress much easier for you!
- Bear in mind that most (if not all) e-mail programs don't display images by default. Be careful that your e-mails' core messages are contained within text in your e-mail and not in images!

Changing the e-mail template logo

First thing's first: you'll want the e-mails your Magento store sends to customers to use your store's logo, so you will need to configure this in Magento's control panel.

At the moment, the order confirmation e-mail will look similar to the following template, using Magento's own logo and a placeholder store name if you haven't configured your Magento store fully yet:

The screenshot shows a standard Magento order confirmation email layout. At the top is the red Magento logo with the word "Magento®". Below it is a greeting "Hello, Richard Carter". A message follows, thanking the customer for their order and providing tracking information. The order number is #100000002, placed on 19 May 2014 at 11:16:08 BST. The email then details billing and shipping information, payment method, and shipping method. Finally, a table provides a breakdown of the order items, taxes, and totals.

Item	Sku	Qty	Subtotal
A simple tea bag product	TEST1	1	£2.39
Another simple tea bag product	TEST2	1	£2.99
			Subtotal £5.38
			Shipping & Handling £10.00
			Grand Total (Excl.Tax) £14.98
			VAT Standard (20%) £0.40
			Tax £0.40
			Grand Total (Incl.Tax) £15.38

Thank you, Main Website Store

Once you are logged into your Magento administration panel, navigate to **System | Configuration**. From here, select the **Design** tab in the left-hand column, as shown in the following screenshot:

The screenshot shows the Magento Admin Panel's configuration interface. On the left, a sidebar lists various configuration categories: General, Web, Design, Currency Setup, Store Email Addresses, Contacts, Reports, and Content Management. Under the 'Design' category, 'GENERAL' is expanded, showing options like 'Logo Image' and 'Logo Image Alt'. The main content area is titled 'Design' and contains sections for 'Package', 'Themes', 'HTML Head', 'Header', 'Footer', 'Product Image Watermarks', 'Pagination', and 'Transactional Emails'. Under 'Transactional Emails', there are fields for 'Logo Image' (with a 'Choose File' button and a note about allowed file types) and 'Logo Image Alt' (with a text input field and a '[STORE VIEW]' button).

Expand the **Transactional Emails** panel, and you will see that you are provided with two options:

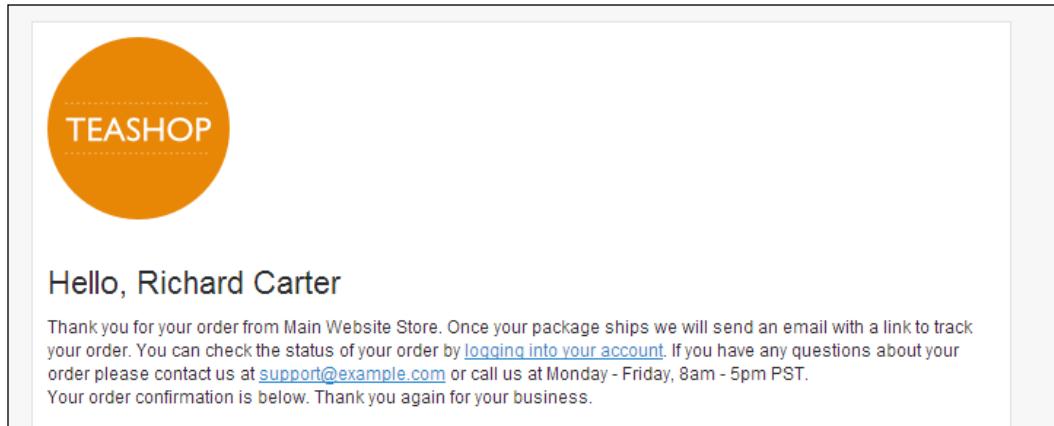
1. One to change the image used for the logo in the e-mail templates.
2. One to change the `alt` text used for the logo.

Select the logo image you wish to use, and populate the **Logo Image Alt** field with a suitable value, as shown in the following screenshot:

This screenshot shows the 'Transactional Emails' configuration panel. It features two main fields: 'Logo Image' and 'Logo Image Alt'. The 'Logo Image' field includes a 'Choose File' button with the file name 'logo.png' and a note about allowed file types. The 'Logo Image Alt' field contains the text 'TEASHOP logo' and a '[STORE VIEW]' button.

Magento E-mail Templates

Once you have done this, click on the **Save Config** button. If you now cause Magento to send an order confirmation e-mail again, you will see your logo appear in the e-mail template:



To change the e-mail addresses used in these e-mails, you need to configure them by navigating to **System | Configuration** under the **Store Email Addresses** tab.

Sending test transactional e-mails

The easiest way to test your e-mail template is to use the **Send Email** function. Navigate to **Sales | Orders**, and select an existing order made through your Magento store, and click on the **Send Email** button at the top-right corner of the order details screen, as shown in the following screenshot:



A pop-up message will appear asking you to confirm this; click on **OK**. This will cause another order confirmation e-mail to be sent to the customer's e-mail address, allowing you to test changes to your store's e-mail templates.

Changing the color scheme of your Magento transaction e-mail templates

Now that you've changed the logo used in Magento's transactional e-mail templates, you may also want to change your e-mail template's color scheme.

Loading a Magento e-mail template

Navigate to **System | Transactional Emails**, and click on the **Add New Template** button at the top-right corner of the screen, as shown in the following screenshot:

The screenshot shows the Magento Admin Panel with the title 'Transactional Emails'. At the top right, there is an orange button labeled '+ Add New Template' which is highlighted with a red box. Below the header, there is a search bar and some navigation links. The main area displays a table with columns for ID, Template Name, Date Added, Date Updated, Subject, Template Type, and Action. A message at the bottom says 'No records found.'

From there, select an e-mail template you wish to overwrite; the following example uses the **New Order** template, which acts as the order confirmation e-mail template:

The screenshot shows a configuration form titled 'New Email Template'. It has a dark blue header bar with the text 'Load default template'. Below this, there are two input fields: 'Template *' with a dropdown menu showing 'New Order' selected, and 'Locale *' with a dropdown menu showing 'English (United Kingdom)' selected. At the bottom is a large orange button labeled 'Load Template' with a checkmark icon.

Click on the **Load Template** button, which will populate the panel below with the current contents of this e-mail template for you to alter. Firstly, populate the **Template Name** field as we're overwriting the **New Order** template. This will be **New Order v2**, as shown in the following screenshot:

The screenshot shows the 'Template Information' form in the Magento Admin Panel. The 'Template Name' field is populated with 'New Order v2'. The 'Template Subject' field contains the placeholder '[{var store.getFrontendName()}]: New Order # [{var order.increment_id}]'. The 'Template Content' field displays the following HTML code:

```
<body style="background:#FFF1E3; font-family:Verdana, Arial, Helvetica, sans-serif; font-size:12px; margin:0; padding:0;">
<div style="background:#FFF1E3; font-family:Verdana, Arial, Helvetica, sans-serif; font-size:12px; margin:0; padding:0;">
<table cellspacing="0" cellpadding="0" border="0" width="100%">
<tr>
<td align="center" valign="top" style="padding:20px 0 20px 0">
<table bgcolor="#FFFFFF" cellspacing="0" cellpadding="10" border="0" width="650" style="border:1px solid #E0E0E0;">
<!-- [ header starts here ] -->
<tr>
<td align="top"><a href="{[{store url=""}]}></a></td>
</tr>
<!-- [ middle starts here ] -->
<tr>
<td align="top">
<h1 style="font-size:22px; font-weight:normal; line-height:22px; margin:0 0 11px 0;">Hello, {[htmlEscape var=$order.getCustomerName()]}</h1>
```

Next, in the **Template Content** field, you can overwrite any color references you need in the `style` attributes within the e-mail template's HTML. Examine the first two lines of this field and you will see HTML that looks similar to the following code:

```
<body style="background:#F6F6F6; font-family:Verdana, Arial, Helvetica, sans-serif; font-size:12px; margin:0; padding:0;">
<div style="background:#F6F6F6; font-family:Verdana, Arial, Helvetica, sans-serif; font-size:12px; margin:0; padding:0;">
```

To change the background color to a pale orange rather than the current light gray, you can make the changes in the code highlighted below:

```
<body style="background:#FFF1E3; font-family:Verdana, Arial, Helvetica, sans-serif; font-size:12px; margin:0; padding:0;">
<div style="background:#FFF1E3; font-family:Verdana, Arial, Helvetica, sans-serif; font-size:12px; margin:0; padding:0;">
```

If you now click on the **Save Template** button at the top-right corner of the screen, your changes will be saved. Your next task is to assign your new e-mail template to the **New Order** transaction in Magento.

Editing Magento e-mail templates through your theme

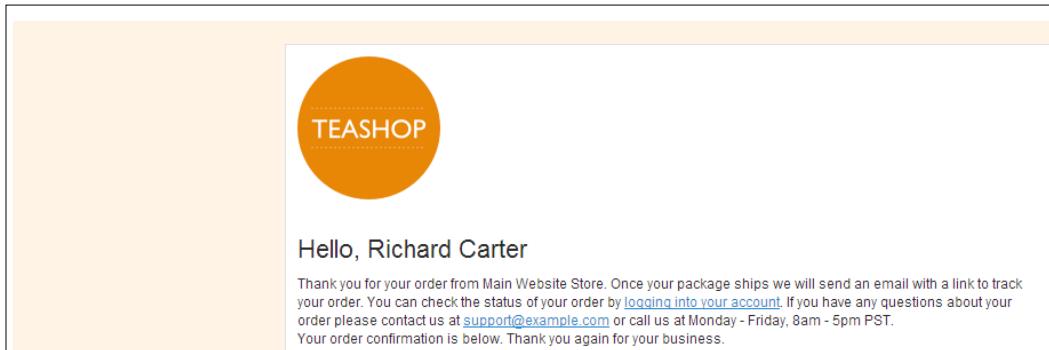
You can also edit your theme's e-mail templates by providing e-mail template files in your theme. The base e-mail template files in Magento are located at /app/locale/en_US/template/email. As with all core Magento files, do not edit these directly; copy them to your theme's locale directory. In the example theme provided with this book, you can copy the e-mail templates into /app/design/frontend/default/m18/locale/en_US/template/email/.

Assigning an e-mail template to a transaction in Magento

Navigate to **System | Configuration** and select the **Sales Emails** tab in the left-hand column. Expand the **New Order** panel and select your new e-mail template from the dropdown next to **New Order Confirmation Template**:

Sales Emails		
Order		
Enabled	Yes	[STORE VIEW]
New Order Confirmation Email Sender	Sales Representative	[STORE VIEW]
New Order Confirmation Template	<input type="button" value="New Order v2"/> <input type="button" value="New Order (Default Template from Locale)"/> <input type="button" value="New Order v2"/> <input type="button" value="New Order for Guest (Default Template from L..."/>	[STORE VIEW]
New Order Confirmation Template for Guest		[STORE VIEW]
Send Order Email Copy To		[STORE VIEW]
▲ Comma-separated.		
Send Order Email Copy Method	Bcc	[STORE VIEW]

Click on the **Save Config** button at the top-right corner of the screen and resend the new order e-mail to see the changes to the template's background color appear:

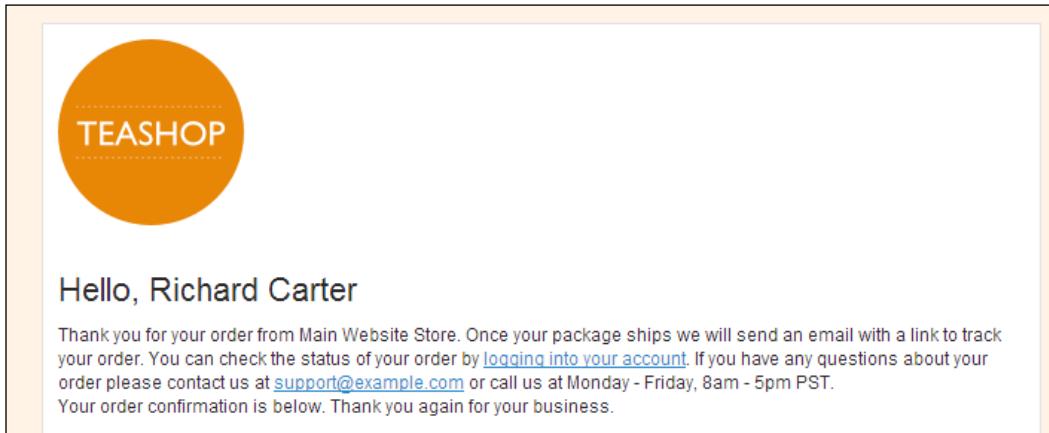


You can overwrite other e-mail templates Magento sends in a similar fashion to fully customize your store.

Altering variables in Magento e-mail templates

You've now seen how and where to alter some of the basic HTML behind Magento's e-mail templates, but sometimes a little more customization is required.

Navigate to **System | Transactional Emails** and select the **New Order v2** template you created in the previous section of this chapter to begin editing it to use the customer's first name, rather than their full name, as it is currently displayed:

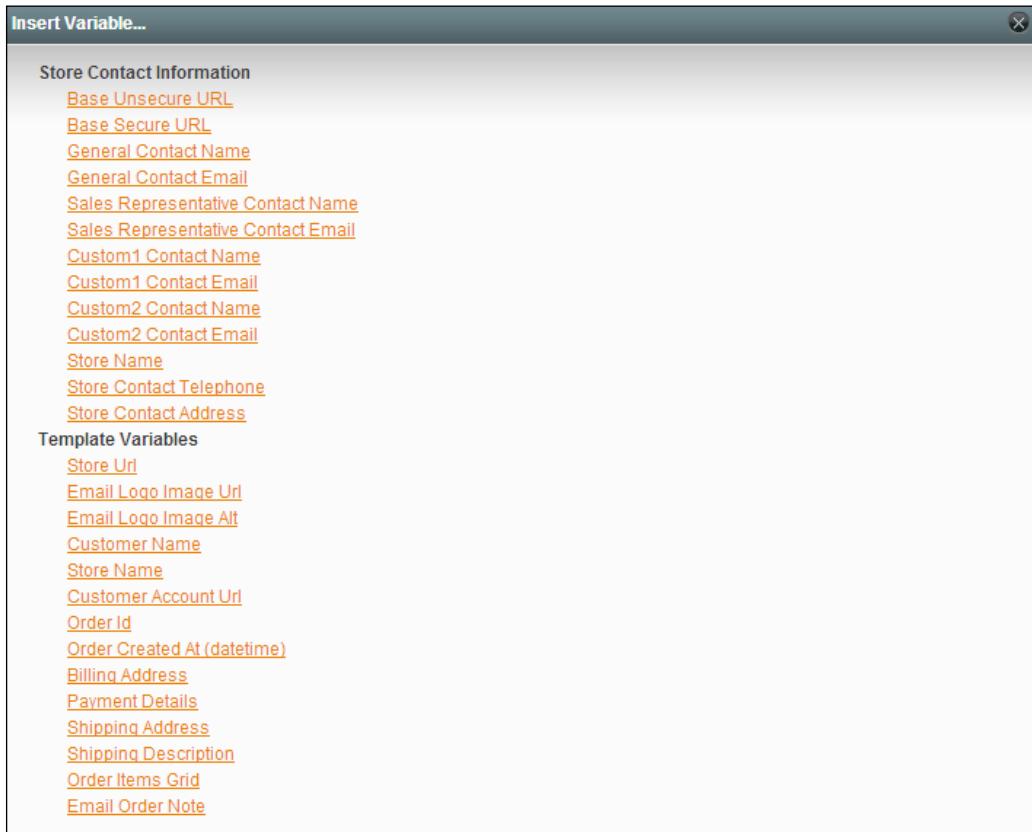


In the **Template Content** field, locate the following line, which adds the customer greeting line:

```
<h1 style="font-size:22px; font-weight:normal; line-height:22px; margin:0 0 11px 0;"">Hello, {{htmlescape var=$order.getCustomerName() }}</h1>
```

Magento Insert Variable pop up

Magento provides some variables in the pop up that is shown if you click on the **Insert Variable** button above the **Template Content** field as you can see in the following screenshot:

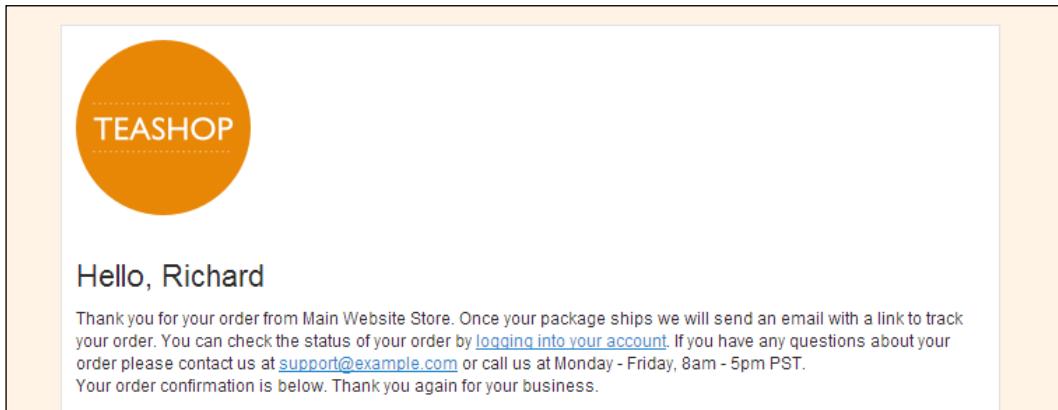


Using the customer's first name only in e-mail templates

The customer's first name is not listed here, so you will manually need to change the code highlighted above to:

```
<h1 style="font-size:22px; font-weight:normal; line-height:22px; margin:0 0 11px 0;"">Hello, {{htmlescape var=$order.getCustomerFirstname() }}</h1>
```

Once you have made this change, click on the **Save Template** button at the top-right corner of the screen. If you send the e-mail confirmation order again to test your change, you will see that only the customer's first name is displayed in the template, as shown in the following screenshot:



Don't forget that you have to assign the new template by navigating to the **System | Configuration | Sales Emails** section of the Magento administration panel, if you haven't already, to see this template sent in place of the default template.

Adding a static block to a Magento transactional e-mail template

You can take customizing your Magento transactional e-mail templates even further by adding static blocks to the templates.

Creating the static block

Firstly, you will need to create a static block you wish to insert into your Magento e-mail template. Navigate to CMS | Static Blocks and click on the **Add New Block** button at the top-right corner of the screen.

Provide **Block Title** and **Identifier** (the example uses `email_` as a prefix to help you know where the block is used), as shown in the following screenshot:

The screenshot shows the 'New Block' configuration interface. At the top, there's a 'General Information' tab. Under 'Block Title *', the value is 'New Order Email'. Under 'Identifier *', the value is 'email_new-order'. The 'Status' dropdown is set to 'Enabled'. Below these fields is a 'Show / Hide Editor' button, which is highlighted in orange. A rich text editor toolbar is visible above the content area. The content area contains the text: 'Thanks for ordering! Enjoy 5% off your next order with the code THANKS.'

Use the **Content** field to add content you would like to appear within the e-mail template itself. Once you're finished, click on the **Save Block** button at the top-right corner of the screen.

Adding the static block to the e-mail template

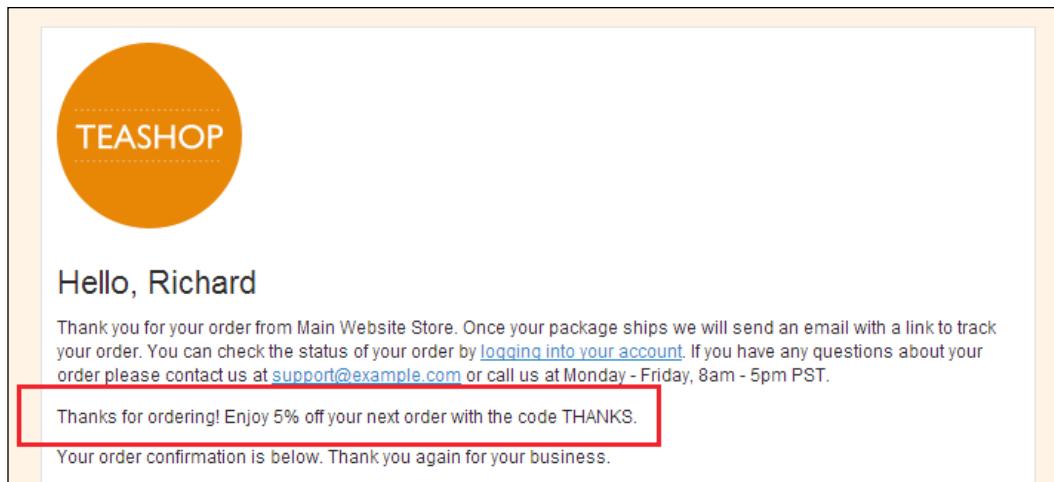
Once again, navigate to **System | Transactional Emails** and edit the **New Order v2** template you created earlier. Locate the following code in the **Template Content** field:

```
If you have any questions about your order please contact us at
<a href="mailto:{{config path='trans_email/ident_support/email'}}">
{{config path='trans_email/ident_support/
email'}}</a> or call us at <span class="nobr">{{config path='general/
store_information/phone'}}</span> Monday - Friday, 8am - 5pm PST.
</p>
<p style="font-size:12px; line-height:16px; margin:0;">
Your order confirmation is below. Thank you again for your business.
</p>
```

Change this to include the following highlighted code, where the **block_id** value matches the **Identifier** value of the static block you created:

```
If you have any questions about your order please contact us at
<a href="mailto:{{config path='trans_email/ident_support/email'}}">
{{config path='trans_email/ident_support/
email'}}</a> or call us at <span class="nobr">{{config path='general/
store_information/phone'}}</span> Monday - Friday, 8am - 5pm PST.
</p>
{{block type="cms/block" block_id="email_new-order" }}
<p style="font-size:12px; line-height:16px; margin:0;">
Your order confirmation is below. Thank you again for your business.
</p>
```

Click on the **Save Template** button at the top-right corner of the screen once more and generate a new e-mail for the new order template. You will see that the static block's content now appears within the template:



Integrating the MailChimp subscription form into your Magento store

E-mails related to your e-commerce website don't stop at order e-mails to customers, although e-mail marketing can play an important role in encouraging repeat orders and generating new business for your store.

One popular e-mail marketing system is MailChimp, and you can create a static block on your store and use this throughout your store to entice customers to subscribe for offers and articles on your chosen sector.

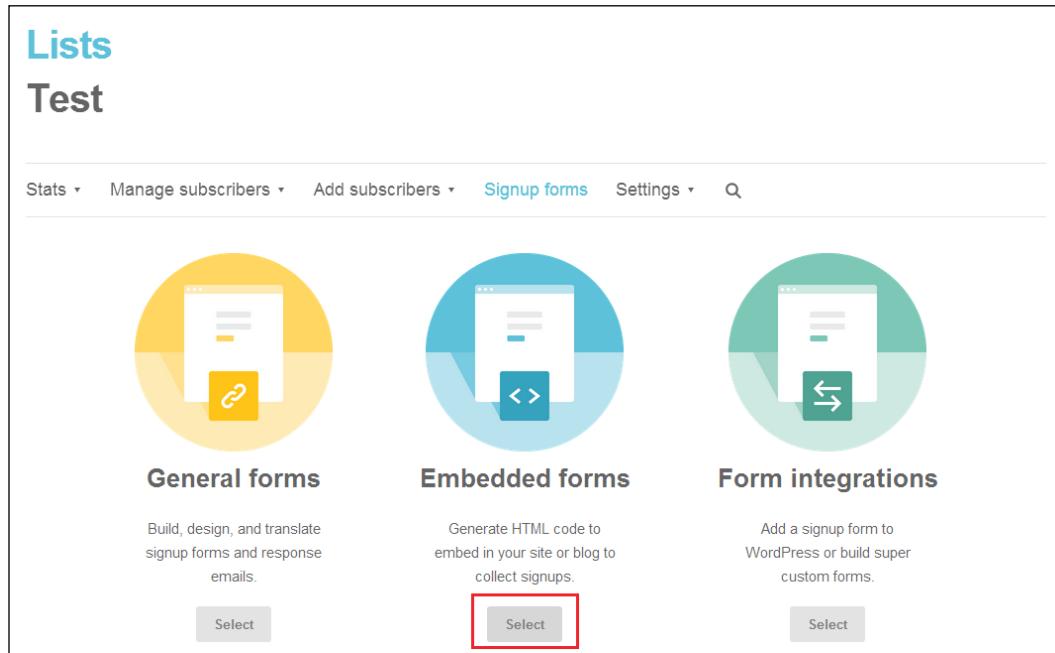


Alternatively, you can synchronize your newsletter subscribers through Magento using the MailChimp plugin for Magento at <http://connect.mailchimp.com/integrations/magento>.

Firstly, you will need to get the HTML for MailChimp's subscription form: log in to your account on <http://mailchimp.com> and navigate to **Lists**. From here, select the **Signup forms** option from the dropdown next to your chosen client, as shown in the following screenshot:

The screenshot shows the MailChimp 'Lists' page. At the top, there is a 'Create List' button. Below it, there are filters for 'Sort By' and 'Custom order'. A list of existing lists is shown, with 'Test' selected. To the right of 'Test', there are statistics: 0 Subscribers, 0.0% Opens, and 0.0% Clicks. Further to the right are 'Manage subscribers' and 'Stats' buttons. A vertical dropdown menu is open, showing options: 'Manage subscribers' (disabled), 'Signup forms' (highlighted with a red box), 'Settings', 'Import', 'Exports', 'Replicate list', and 'Combine lists'.

Next, click on the **Select** button beneath the **Embedded forms** option:



On the next screen, customize your form, and copy the content from the **Copy/paste onto your site** field. You'll need this for the next step.

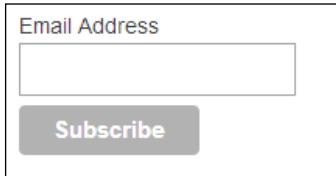
Log in to your Magento site's administration panel, navigate to **CMS | Static Blocks**, and click on the **Add New Block** button at the top of the screen: enter a subtitle **Block Title** and enter `newsletter_mailchimp` in the **Identifier** field. Finally, ensure **Status** is set to **Enabled** and paste the subscription form code provided by MailChimp into the **Content** field, ensuring that you have used **Show / Hide Editor** button to disable the rich text editor before pasting the code in:

The screenshot shows the 'New Block' configuration screen. Under 'General Information', the 'Block Title' is set to 'MailChimp subscription', 'Identifier' to 'newsletter_mailchimp', and 'Status' to 'Enabled'. In the 'Content' field, there is a large block of HTML code that defines a MailChimp sign-up form. This code includes CSS styles for the form elements and an action attribute pointing to a specific URL.

Click on the **Save Block** button to create this block. Next, you need to assign the new block to a region on your store; open your theme's `local.xml` file from `/app/design/frontend/default/m18/layout/`, and add the following highlighted code to the reference `name="right"` element within the `<default>` handle:

```
<default>
    <reference name="right">
        <block type="cms/block" name="cms_mailchimp">
            <action method="setBlockId">
                <block_id>newsletter_mailchimp</block_id>
            </action>
        </block>
    </reference>
</default>
```

Once you have saved this change, you will see the subscription box appear on the pages with the right-hand column layout assigned:



Integrating the Campaign Monitor subscription form into your Magento store

Campaign Monitor is another popular e-mail newsletter system you may use to keep in touch with customers outside the realm of Magento's transactional e-mails.

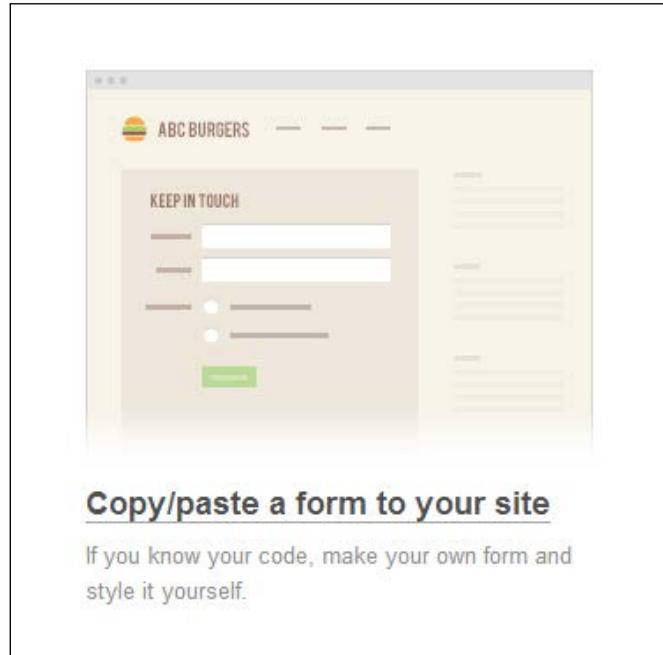
Firstly, you will need the subscription form code from your Campaign Monitor list: log in to your Campaign Monitor account, and navigate to the **Lists & Subscribers** tab. Select a subscriber list from here:

The screenshot shows the Campaign Monitor interface with the 'Lists & Subscribers' tab selected. A 'Clients' list is displayed, showing a green line graph representing subscriber growth over time. A callout box titled 'Grow your audience' contains the text: 'Make it easy for [people to join your list](#) from your site, Facebook, or your iPad.'

In the right-hand column of this screen, click on the **Grow your audience** option:

A modal window titled 'Add new subscribers' is shown. It features a 'Grow your audience' button at the top, followed by three other options: 'Autoresponders', 'Custom fields', and 'Segments'. The 'Grow your audience' section is highlighted with a red border.

On the next screen, you will see an option for **Copy/paste a form to your site**:



Once you have customized the form to your liking, click on the **Get the code** button at the bottom of the screen:

Get the code →

Magento E-mail Templates

Copy the code presented, and log in to your Magento store's administration panel. From here, navigate to **CMS | Static Blocks** and click on the **Add New Block** button at the top-right corner of your screen:

New Block

General Information

Block Title * Campaign Monitor subscription

Identifier * newsletter_campaignmonitor

Status * Enabled

Content

<form action="http://username.campaignmonitor.com/tr/s/xhudt" method="post">
<p>
<label for="fieldEmail">Email</label>

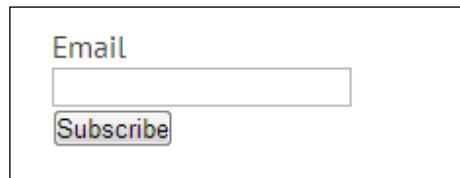
<input id="fieldEmail" name="cm-xhudt-xhudt" type="email" required />
</p>
<p>
<button type="submit">Subscribe</button>
</p>
</form>

Back Reset Save Block Save and Continue Edit

Click on the **Save Block** button and open your theme's `local.xml` file (present at `/app/design/frontend/default/m18/layout/`) to assign this block to the right-hand column using the following highlighted code:

```
<default>
    <reference name="right">
        <block type="cms/block" name="cms_campaignmonitor">
            <action method="setBlockId">
                <block_id>newsletter_campaignmonitor</block_id>
            </action>
        </block>
    </reference>
</default>
```

Refreshing your store once you have saved this change will display the subscription form for your Campaign Monitor account, allowing you to style it further should you wish to:



Summary

This chapter introduced you to customizing Magento's many transactional e-mail templates, and helped give your store a personalized feel by e-mail as well as through your website. This chapter covered changing the e-mail template logo, altering colors and variables in Magento e-mail templates, adding static block content to your Magento e-mail templates, and creating a MailChimp or Campaign Monitor subscription block for use in your store.

Your Magento store should be well on its way to being customized now, though there is always work to be done!

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