



The SharePoint 2013 Design Manager: From HTML to SharePoint

SHAREPOINT **SATURDAY**
■■■■■■■
Belgium

#SPSBE33

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Agenda

Introduction Branding

SharePoint Design Manager

HTML snippets

Cross-site Publishing and Content Search Web Parts

Device Channels

Deployment

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Branding on the web

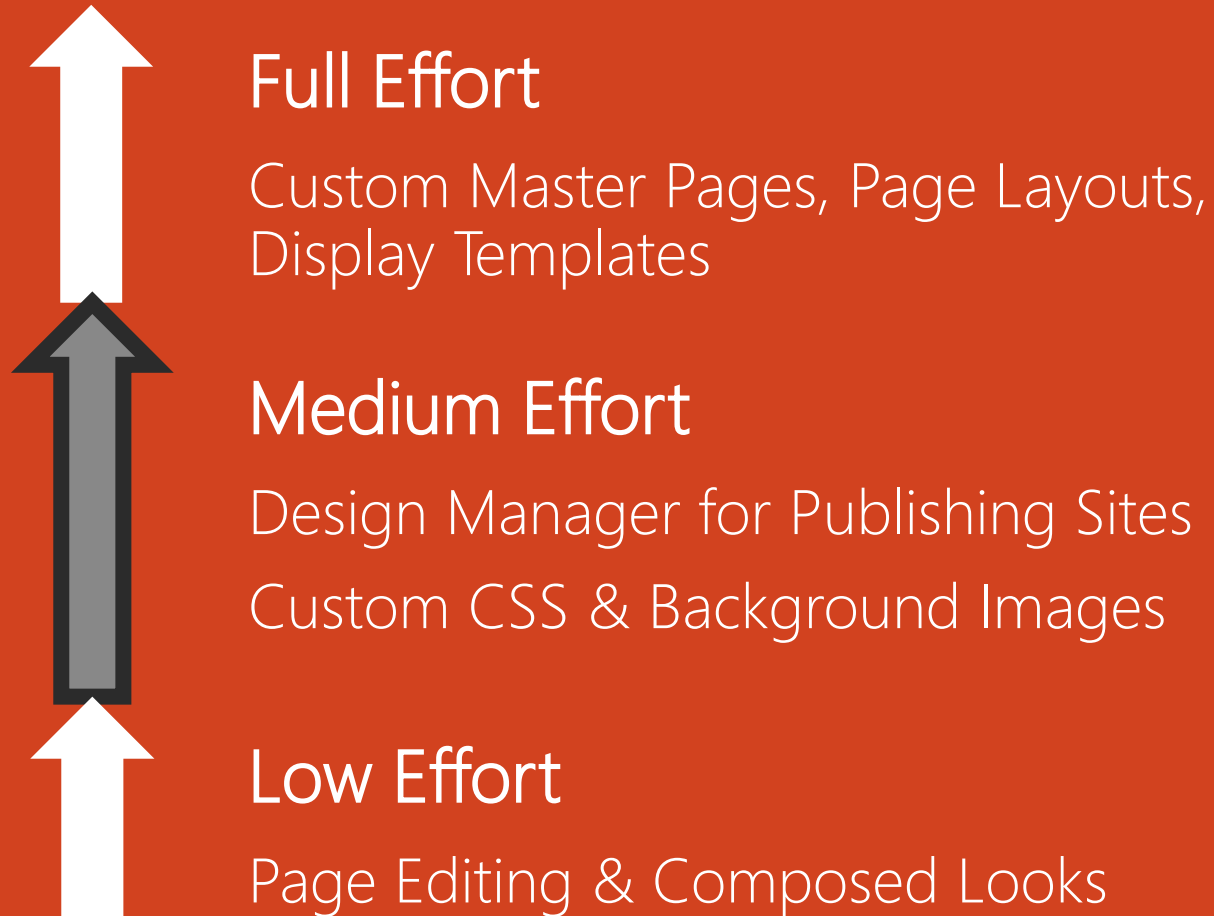
Website Branding:

The colors, fonts, logos, and supporting graphics that make up the general look and feel of a corporate website.

Branding for SharePoint:

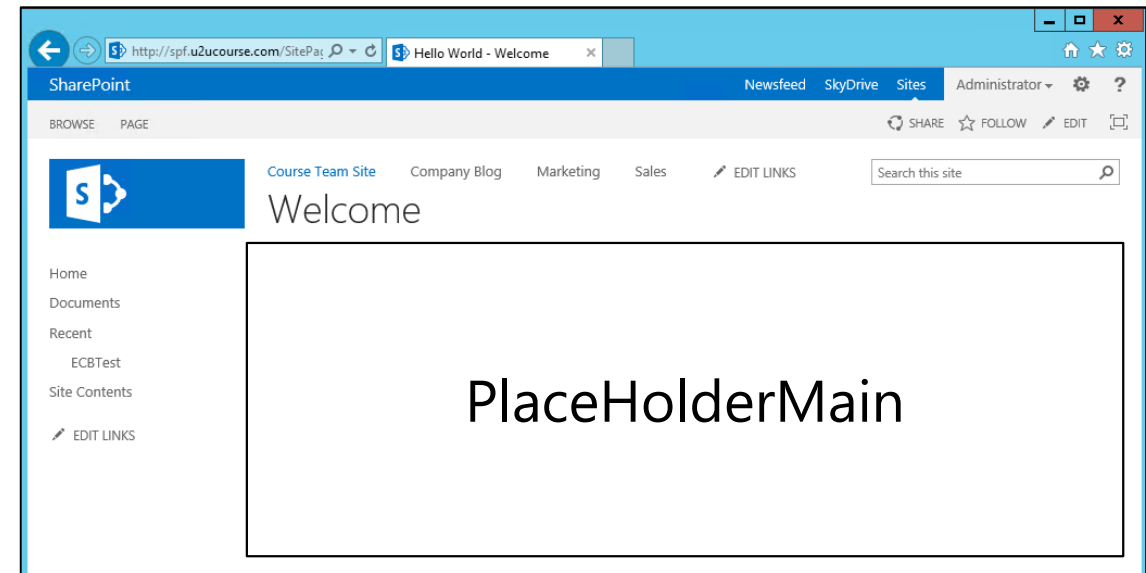
Master pages, page layouts, display templates, CSS, Composed Looks...

Approaches to Branding SharePoint 2013



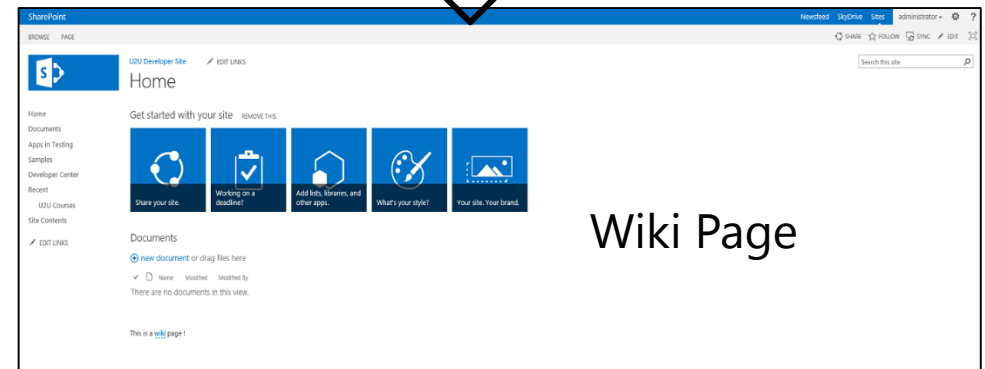
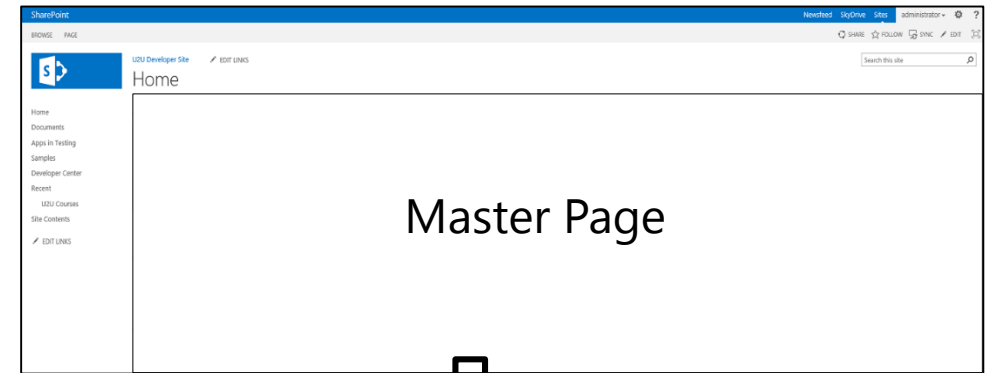
SharePoint Page Model: Master Page

- Central file controlling the layout and the design of the content pages in a SharePoint site
 - Title, logo and description of site
 - Navigation controls
 - Welcome and administration
 - Search experience
 - Linking CSS files and Script Files
 - Web Part Manager
 - ContentPlaceHolders for SharePoint



SharePoint Page Model: Wiki Pages

- Used in Team Sites...
- Has Web Edit functionality
- Stored in Wiki Page Library
- PlaceHolderMain contains wiki control

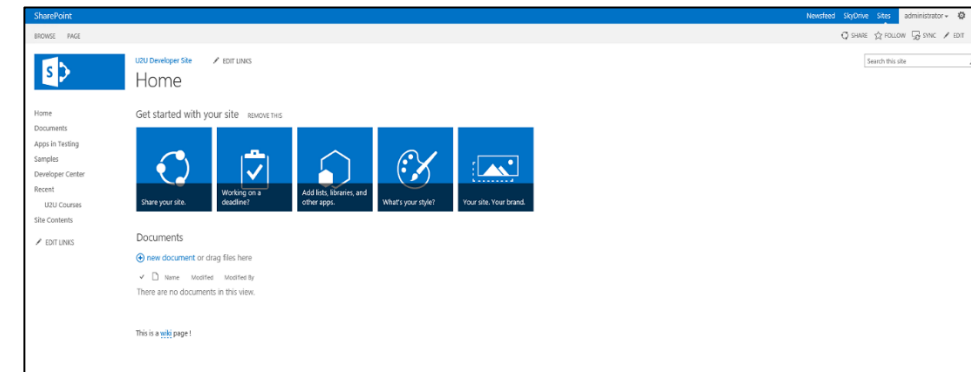


SharePoint Page Model: Publishing Pages

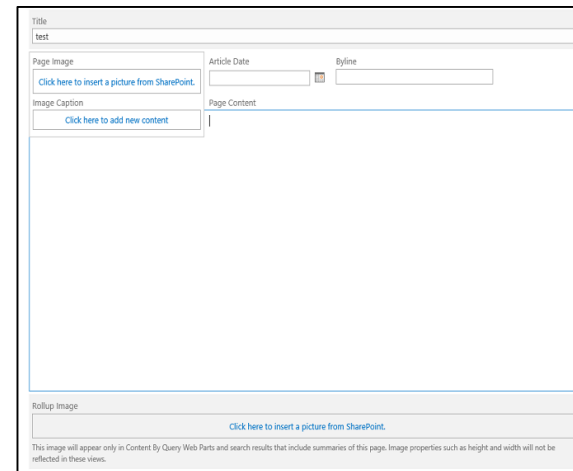


- Used in Publishing Sites
- Based on Page Layout
- More control
- More consistency

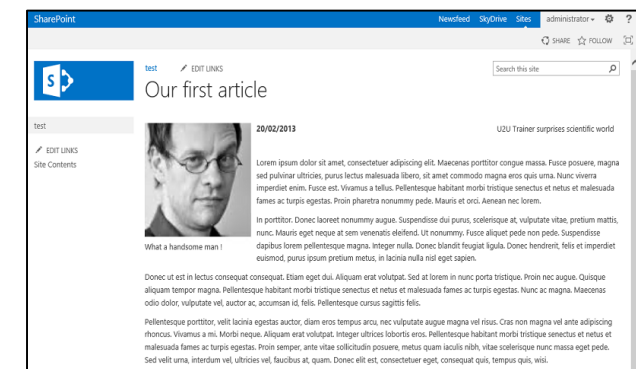
Master Page



Page Layout



Publishing Page



SharePoint Page Model

- How to building master pages and page layouts?
- 2 supported scenarios in SharePoint 2013:
 - SharePoint Designer: Create a new .master (master page) or .aspx (page layout)
 - Design Manager: Upload/generate HTML design and convert file into Master Page/Page Layout

Design Manager

Ease of branding & design was a big feature in 2013

You can tell because the Design Manager is featured in the Site Actions drop down!

Available in SharePoint sites with Publishing activated and SPO Public Sites

Work with Master Pages for shell of you design

Work with Page Layouts for the page content formatting



1. [Welcome](#)
2. Manage Device Channels
3. Upload Design Files
4. Edit Master Pages
5. Edit Display Templates
6. Edit Page Layouts
7. Publish and Apply Design
8. Create Design Package

Common Design Tools

- SharePoint Designer is no longer the only choice
 - Still available if you are most comfortable with it
 - Warning: SharePoint Designer 2013 lacks the Design View
- Map a drive to the Site > Master Page Gallery and edit away
 - Configure and Troubleshoot Mapped Drives in O365 - <http://support.microsoft.com/kb/2616712>
- Use any tool you like to edit code
 - Adobe Dreamweaver
 - Microsoft Expression Web (Free – No longer being updated)
 - Text editors like: Notepad++

Using the Design Manager

- After conversion into master page you get two files:
 - HTML file: your uploaded file has been modified and contains special SharePoint-segments (in comment)
 - Master file: this file has been created based upon the HTML-file.
- Design done in the HTML file
- Each design change will regenerate the master file
- This link can be removed by the "Associated File" property on the HTML file

Associated File



Describes whether a file has a SharePoint master page (.master) or page layout (.aspx) file associated with it. Setting this value to true will re-associate to a previously associated file or create a new file for association.

Demo

Designing a custom master page

Snippet Gallery

- Used to add SP functionality to your Master Page
- Commented ASP.NET markup that you add to HTML Master Page
 - Navigation
 - Breadcrumbs
 - Search Box
 - Title / Logo
 - Sign In
 - Web Parts
 - Header & Footer Elements – (Only for Public Sites)
- Save the HTML file to sync the changes to the associated ASP.NET file

HTML Snippet markup

Namespace registration

```
<!--SPM:<%@Register Tagprefix="SharePoint" Namespace="Microsoft.Share..."
```

Comments

```
<!--CS: Start Top Navigation Snippet--> ...  
<!--CE: End Top Navigation Snippet-->
```

Markup

```
<!--MS:<asp:SiteMapDataSource ShowStartingNode="True" >-->  
<!--ME:</asp:SiteMapDataSource>-->
```

Preview blocks

```
<!--PS: Start of READ-ONLY PREVIEW (do not modify)-->  
preview sections are a snapshot in time of the SharePoint control that snippet is inserting.  
!--PE: End of READ-ONLY PREVIEW-->
```

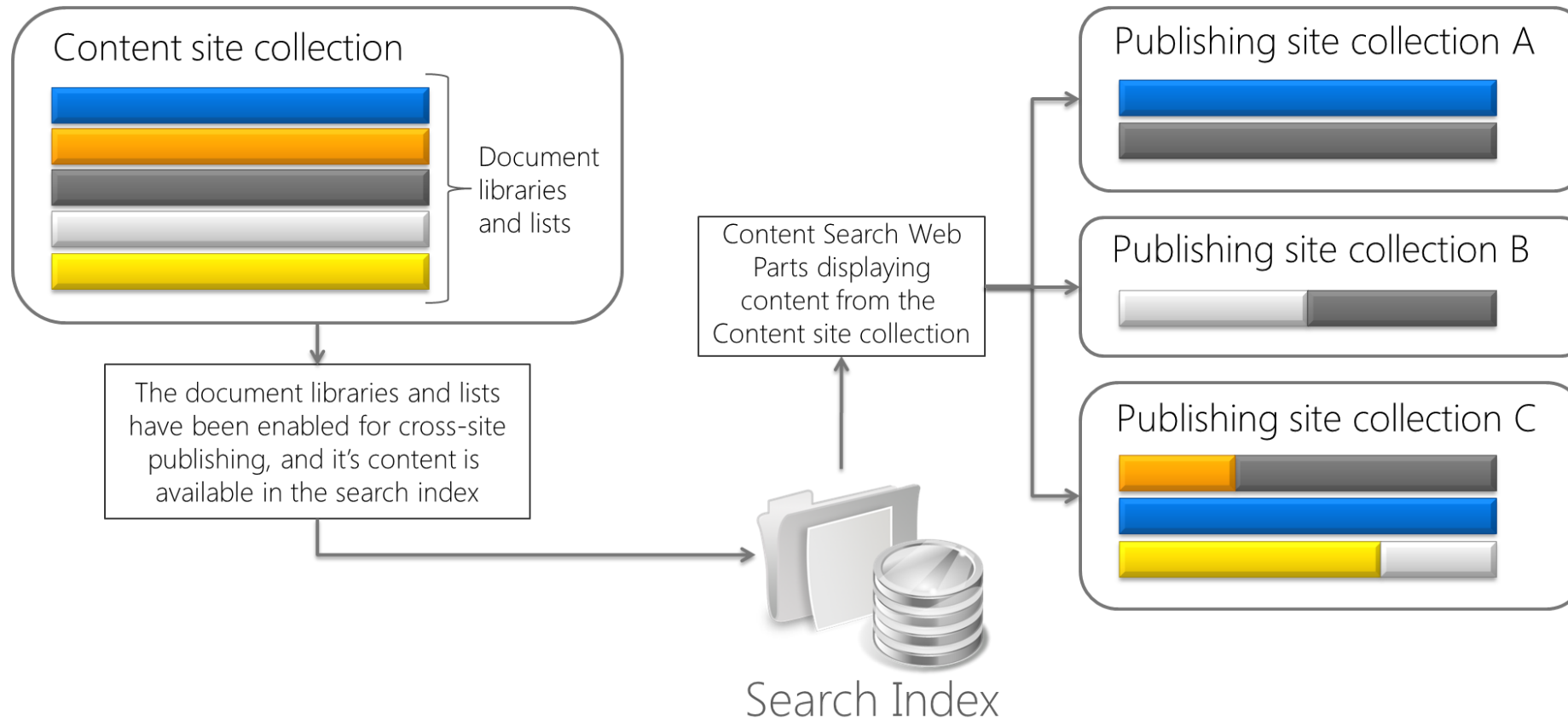
Demo

Adding HTML snippets

Cross-Site Publishing?

- Create and maintain content in one or more authoring site collections
 - Created in libraries/lists shared as catalogs
- Publish this content in one or more publishing site collections
 - Content is displayed by using search web parts
 - Make lists and libraries catalog-enabled

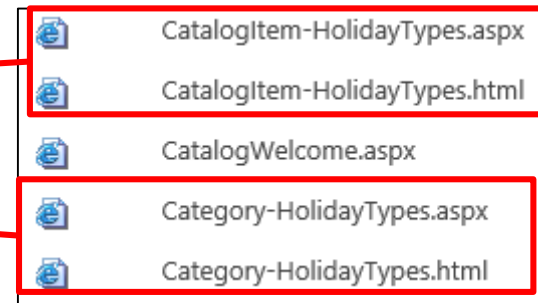
Cross-Site Publishing



Cross-site Publishing Pages

- Cross-site publishing creates 2 types of Page Layouts (aspx and html):

- Catalog Item Page
- Category Page



- And 2 Publishing pages based on those page layouts

Pages ⓘ

⊕ new item or drag files here

All Documents ... Find a file 🔍

✓	📄	Name	Modified	Modified By	Checked Out To	Contact	Page Layout
	📄	CatalogItem-HolidayTypes	... September 12	<input type="checkbox"/> Administrator	<input type="checkbox"/> Administrator	<input type="checkbox"/> Administrator	CatalogItem-HolidayTypes
	📄	Category-HolidayTypes	... September 12	<input type="checkbox"/> Administrator	<input type="checkbox"/> Administrator	<input type="checkbox"/> Administrator	Category-HolidayTypes

Content Search Web Part

- Used on the generated category pages
- Displays search results in a way that you can easily format
- Query builder lets you easily build the search queries
- **Display templates** are used to change how search results appear on the page

Display Templates

- Component in SharePoint 2013 used by web parts to render UX
- Replaces XSLT from SharePoint 2010
- Consists out of:
 - An HTML file: Create by designer
 - JavaScript file: Generated by SharePoint based on HTML file
- Located in Master Page Gallery

DEMO

Changing the display templates

Item Page Layout

- The item page show information using CatalogItemReuseWebParts
 - Executes search query
 - Displays managed property
 - Optional formatting can be applied

```
<div>
  <!--CS: [HolidayPriceOW SNMBR] Start Catalog-Item Reuse Snippet-->
  <!--SPM:<cc1:CatalogItemReuseWebPart runat="server" UseServerSideRenderFormat="True" ResultType="" NumberOfItems="1"
    UseSharedDataProvider="True" OverwriteResultPath="False" ResultsPerPage="1"
    SelectedPropertiesJson="["&#34;HolidayPriceOWSNMBR&#34;]"
    Title="$Resources:Microsoft.Office.Server.Search,CBSItem_Title;"
    Description="$Resources:Microsoft.Office.Server.Search,CBSItem_Description;"
    MissingAssembly="Cannot import this Web Part." ID="g_c5a7f657_adfe_4246_86d0_821f1cdf714c"
    __WebPartId="{c5a7f657-adfe-4246-86d0-821f1cdf714c}"-->
  <!--SPM:<RenderFormat-->
  <!--SPM:<Format Type="Number"> -->
  <!--SPM:<DecimalPlaces-->
  2
  <!--SPM:</DecimalPlaces-->
  <!--SPM:<Currency-->
  False
  <!--SPM:</Currency-->
  <!--SPM:</Format> -->
  <!--SPM:</RenderFormat-->
  <!--SPM:</cc1:CatalogItemReuseWebPart-->
  <!--CE:End Catalog-Item Reuse Snippet-->
</div>
```

DEMO

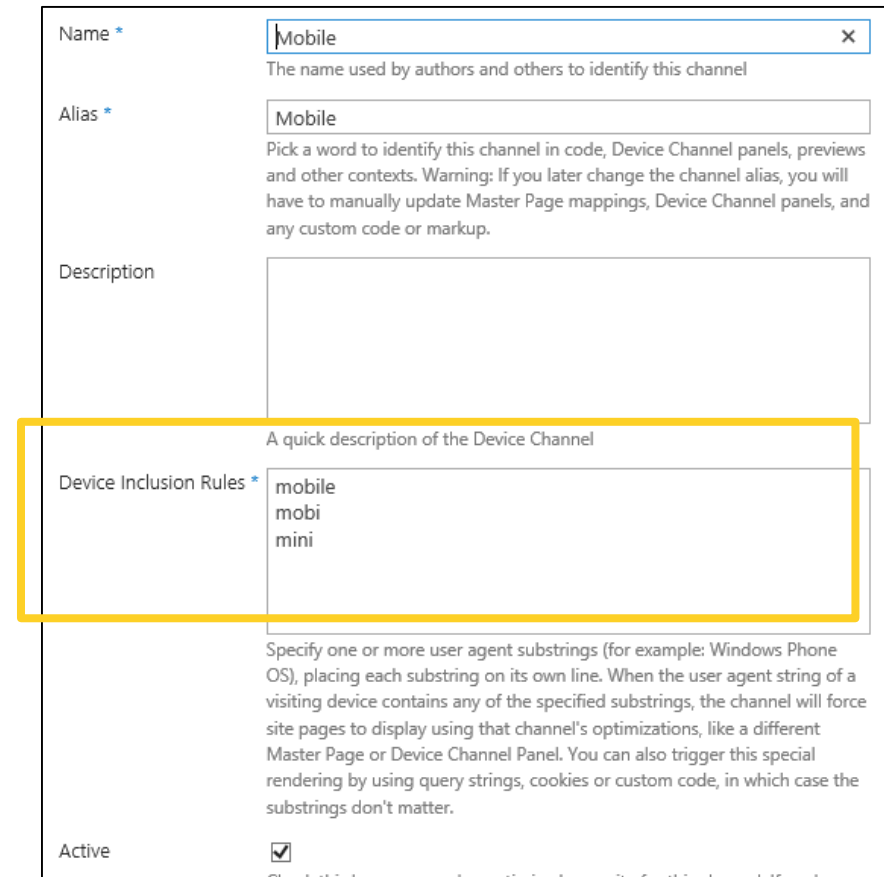
Modifying page layouts

Device channels

- How to make sure your site looks nice on all devices?
 - Responsive design, i.e. create a design that adapts to the browser
 - Media queries in CSS
 - Relative sizing
 - Progressive enhancements – graceful degradation
 - Use Device Channels
 - Allows to create a “channel” based on the user agent string. (<http://useragentstring.com>)
 - Per channel you can have
 - Different master page
 - Regions (“panels”) on your masterpages and page layouts

Device Channels

- If your browser's user agent string contains a line from the inclusion rules, then it belongs to that channel



The screenshot shows a configuration form for a Device Channel. The fields are as follows:

- Name ***: Mobile (with a close button 'x')
- Alias ***: Mobile
- Description**: (empty text area)
- Device Inclusion Rules ***: mobile, mobi, mini (this section is highlighted with a yellow box)
- Active**: ☒

Below the 'Device Inclusion Rules' field, there is explanatory text: "Specify one or more user agent substrings (for example: Windows Phone OS), placing each substring on its own line. When the user agent string of a visiting device contains any of the specified substrings, the channel will force site pages to display using that channel's optimizations, like a different Master Page or Device Channel Panel. You can also trigger this special rendering by using query strings, cookies or custom code, in which case the substrings don't matter."

Device Channels

Site Master Page

The site master page will be used by all publishing pages - the pages that visitors to your website will see. You can have a different master page for each Device Channel. If you don't see the master page you're looking for, go to the Master Page Gallery in Site Settings and make sure it has an approved version.

You may inherit these settings from the parent site or select unique settings for this site only.

- ☐ Inherit site master page from parent of this site
- ☒ Specify a master page to be used by this site and all sites that inherit from it:

Mobile

MinimalDemo

Default

seattle

Preview

You should replace this div with content that renders based on your Device Channel Panel Properties.

HTML Snippet

Copy and paste this snippet at the desired location in your HTML design file. Note that many HTML preview regions are read-only but will render properly on your site.

```
<div data-name="DeviceChannelPanel">
  <!--CS: Start Device Channel Panel Snippet-->
  <!--SPM: <%@Register Tagprefix="Publishing"
    Namespace="Microsoft.SharePoint.Publishing.WebControls"
    Assembly="Microsoft.SharePoint.Publishing, Version=15.0.0.0,
    Culture=neutral, PublicKeyToken=71e9bce111e9429c"%>-->
  <!--MS: <Publishing:DeviceChannelPanel runat="server"
    IncludedChannels="">-->
  <!--PS: Start of READ-ONLY PREVIEW (do not modify)--> <!--PE: End of
    READ-ONLY PREVIEW-->
```

Copy to Clipboard



Device Channel Panel

About this Component

A Device Channel Panel displays the content defined within it to one or more specified Device Channels. Device Channel Panels are typically used on Page Layouts to selectively hide certain regions and functionality from or show them to specified channels, and define channel-specific CSS.

For example, an Article Page Layout may define its sidebar and Article Image Page Field inside Device Channel Panels that display only to the default channel in order to hide them from other devices, such as smart phones. Likewise, you could place a link to revert to the desktop experience (the default channel) within a Device Channel that displays only to smart phones.

Specify in which Device Channels a panel should render its contents by entering the aliases for one or more Device Channels in the IncludedChannels property, separated by commas. Any unrecognized channel aliases will be ignored. [Click here to see the Device Channel List for this site.](#)

To see the effects of Device Channel Panels, you may use URL query-strings, device emulators, or cookie-based approaches for channel-specific previews. To preview using URL query-strings, append the query string variable "DeviceChannel=Desired_Channel_Alias" to the URL of any page or the preview.

Update

Reset

Customization - Device Channel Panel (DeviceChannelPanel)

Important

IncludedChannels

Accessibility

Appearance

Behavior

Layout

Misc

Update

Reset

Demos

Device Channels

Design Packages

- After creating your design
 - Masterpages
 - Display templates
 - Page layouts
 - ...
- Export with Design manager ➔ results in a wsp-file.
- Package can be imported in other sites

Site Settings ▸ Import Design Package

You can import a design package containing one or more site designs. To apply a design, you may need to Change the Look. You can modify any of the assets after import.

Warning: You should only import design packages from sources you trust. Design packages can contain code that can read, modify, and delete your data.

Package Name:

Browse...

Import

Design Packages

- Design Package can contain
 - Font Schemes
 - Color themes
 - Master pages
 - Display templates
 - Images
 - Composed looks
 - Publishing content types
 - Page layouts
 - Device Channels
 - Search Configuration

Demo

Deployment

Thank you!