



SharePoint Design Essentials

Introductions.



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sympmarc.com



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The Agenda

- Design Strategy
- Introduction to SharePoint Design
 - The SharePoint interface
 - SharePoint Designer 2010
 - HTML, CSS, and JavaScript
- Master Pages & Page Layouts
 - v4.master
 - Starter master pages
 - Page layouts
- jQuery in SharePoint
- Taking the “SharePoint” out of SharePoint

Strategy.

“ User **INTERFACE** is what people see, hear, and interact with in an electronic interface (like a website).

User **EXPERIENCE** is how people react to the interface, controls, design, and organization of content.

SharePoint Design Strategy



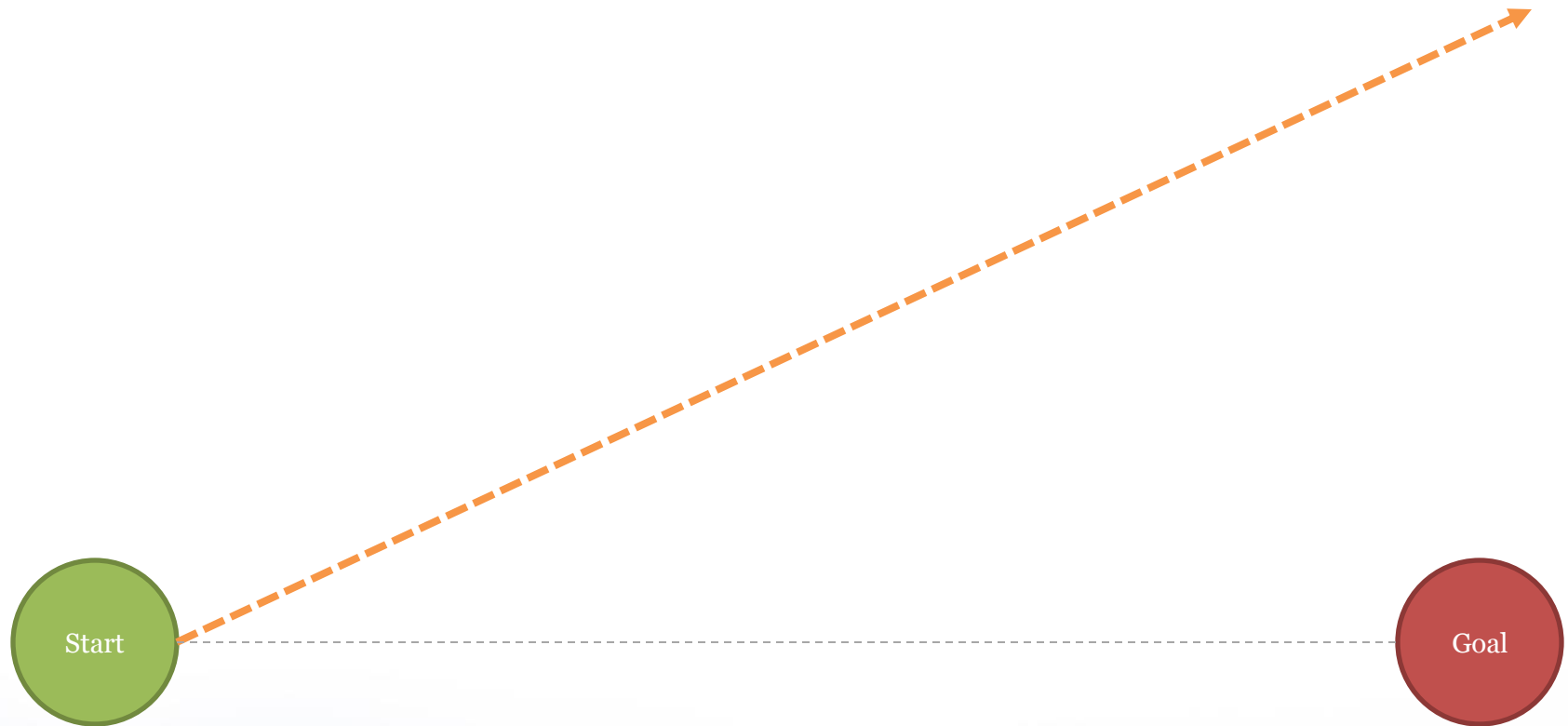
SharePoint Design Strategy



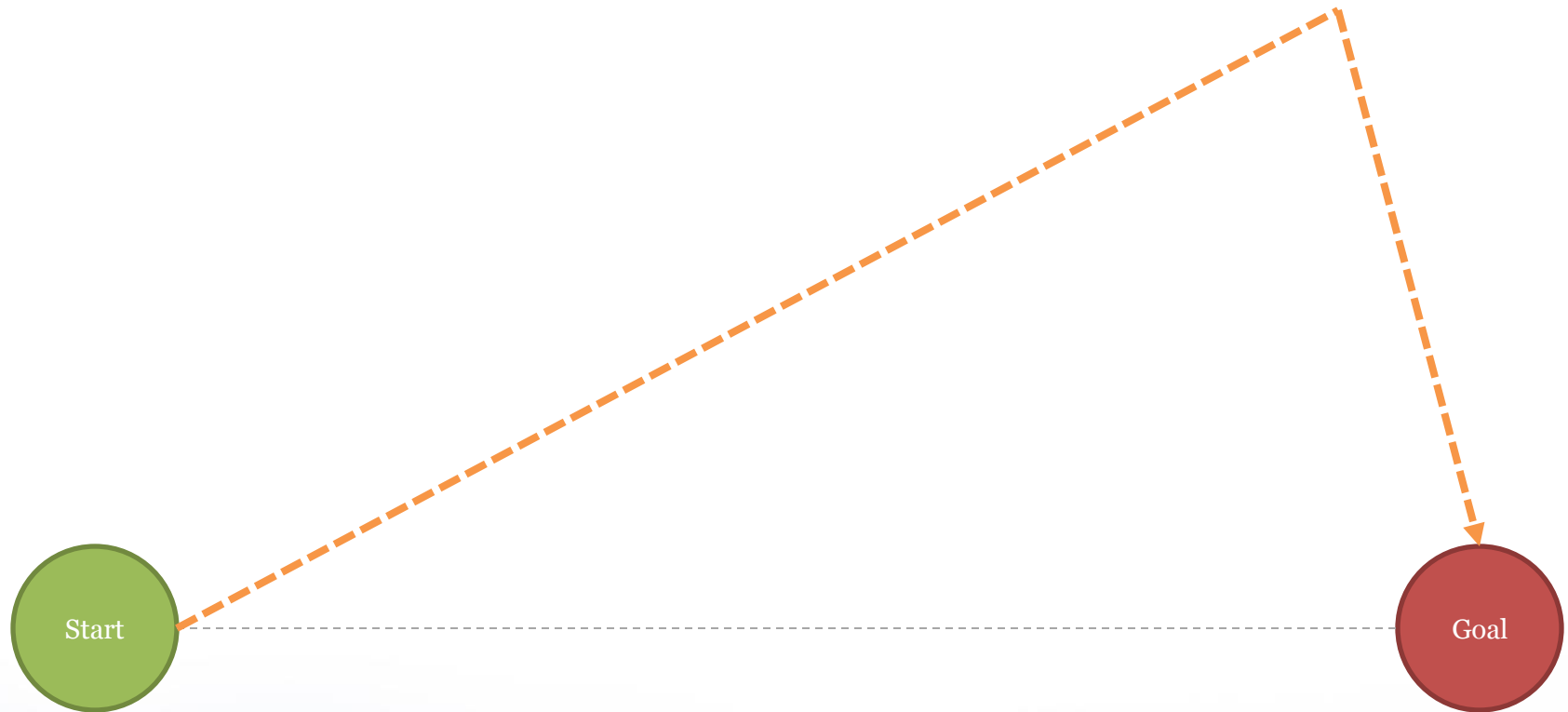
Perception vs. Expectation



Perception vs. Expectation



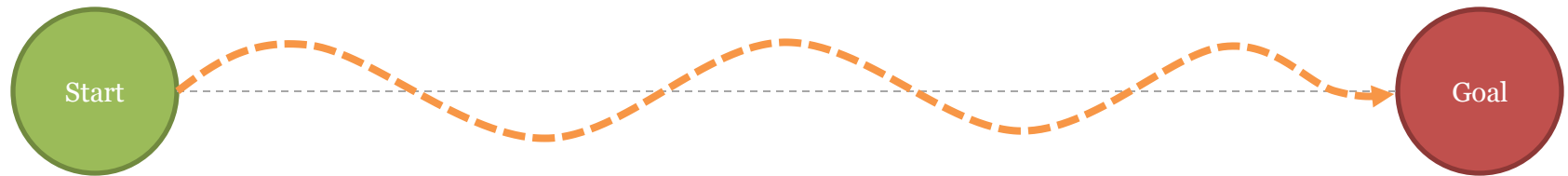
Perception vs. Expectation



Tools of Discovery

- **Kickoff meetings**
 - What does the client want?
- **Information architecture**
 - Gather information about content
 - Determine audience, users, personas
 - Determine priority of content from the client's perspective

Perception vs. Expectation



SharePoint Design Strategy



SharePoint Design Strategy



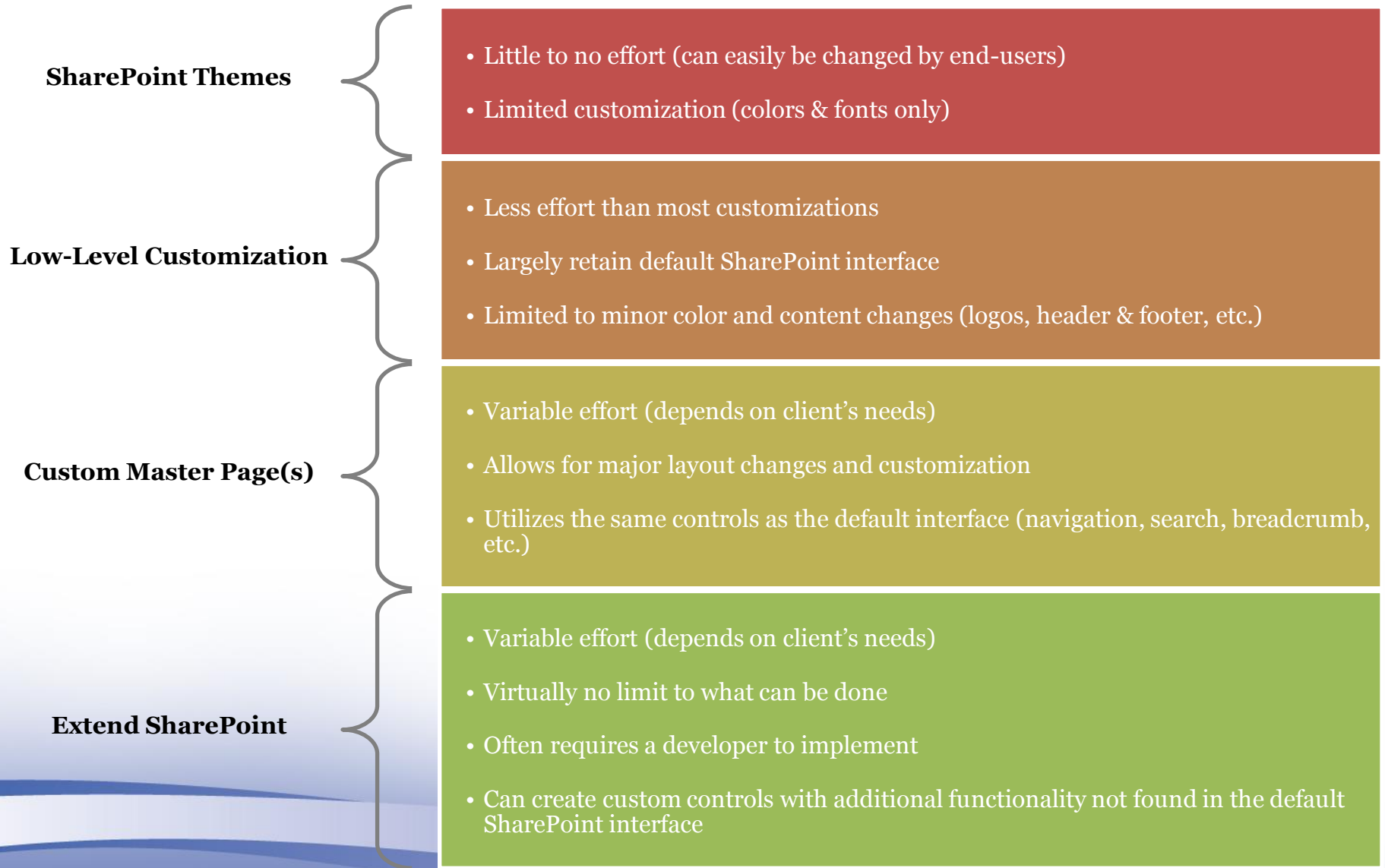
Tools of Planning

- Set design goals
 - Set measures of success
 - Identify and define aesthetic variables
- Wireframes
- Define level of customization (scope)
 - Based on budget, resources, and design needs
 - Helps define the project scope

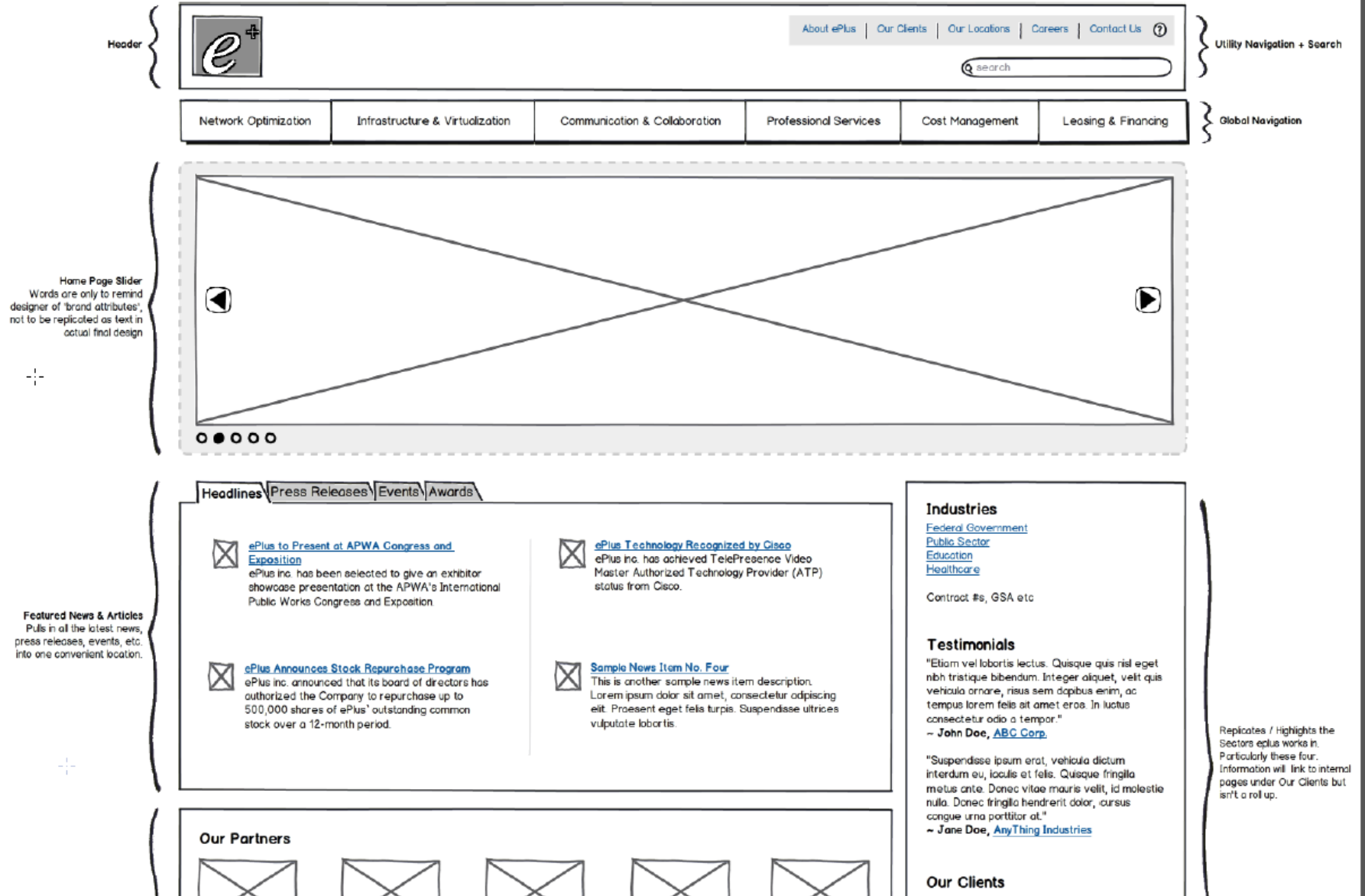
Mood Boards



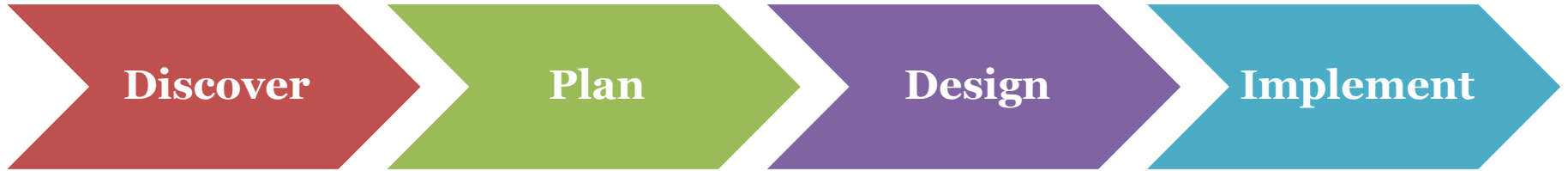
Levels of Customization



Wireframes



SharePoint Design Strategy



SharePoint Design Strategy



Tools of Design

- Three C's of design

- Components
- Composition
- Concept

- Let's get creative

- Brainstorming
- Sketching
- Graphic design

SITE
LOGO
(CUSTOMIZE)



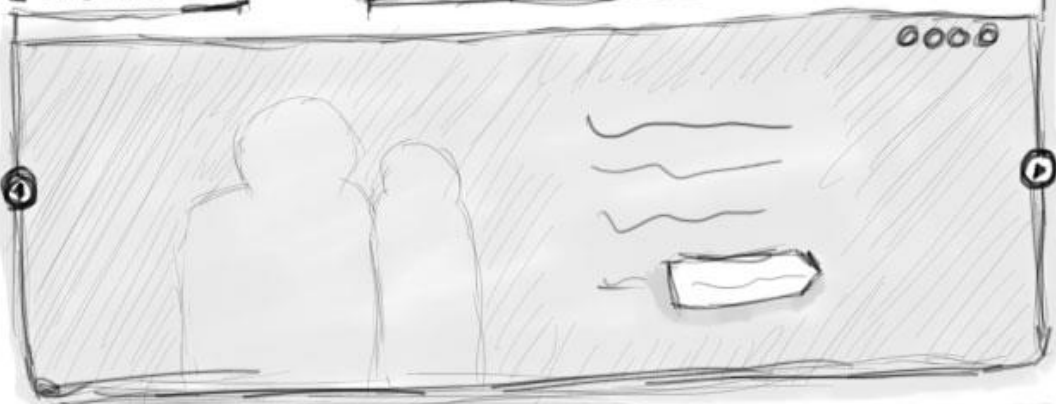
MEDAZIO

HOME

SEARCH

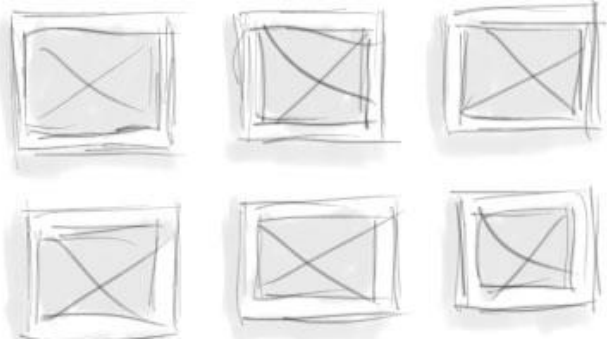


CAROUSEL
NAV LINKS



WEB PART
STYLE

GALLERY
ITEM STYLE





Get on track.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin interdum massa facilisis mi dapibus a tincidunt ipsum porttitor. Pellentesque ornare pulvinar tempus.

[continue reading »](#)

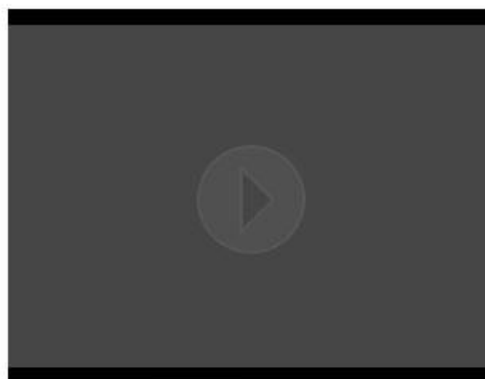
Welcome to **Medazio**, a completely made up word. This SharePoint 2010 theme was designed and created by [Kyle Schaeffer](#).

Installation & Setup

- 1 Copy Files**
 Download the files used for this theme and copy them into your SharePoint 2010 site using [SharePoint Designer 2010](#).
- 2 Create Layouts**
 Are you using SharePoint as a publishing platform? Create new page layouts for your site's content, copy the template code into your layout.
- 3 Customize**
 Edit the theme's CSS file to customize the colors, appearance, and logo of your newly styled SharePoint 2010 site.

Colors & Style

Customize this theme with your own color scheme, easily modified in a simple CSS file. Add a logo, navigation, and contact information with ease.



Fusce ac ligula erat. In hac habitasse. Praesent, urna in sodales, enim libero accumsan dolor, et tortor metus non orci.



From the Medazio Blog

Vestibulum Volutpat Nibh ne Diam

Facilisis scelerisque. Aliquam a erat lacus, non varius tellus.

Donec Pharetra, Nisi at Fermentum

Faucibus, sapien ipsum aliquet arcu, eu vestibulum enim arcu sit amet nulla. Sed blandit odio auctor nisi.

Scelerisque Quis Pulvinar Quam Consectetur

Nulla consectetur lectus sit amet magna aliquet vestibulum.

[older posts »](#)



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[Email Updates »](#)

SharePoint Design Strategy



SharePoint Design Strategy



Tools of Implementation

- HTML, CSS, JavaScript
 - SharePoint Designer 2010

SITE
LOGO
(CUSTOMIZE)



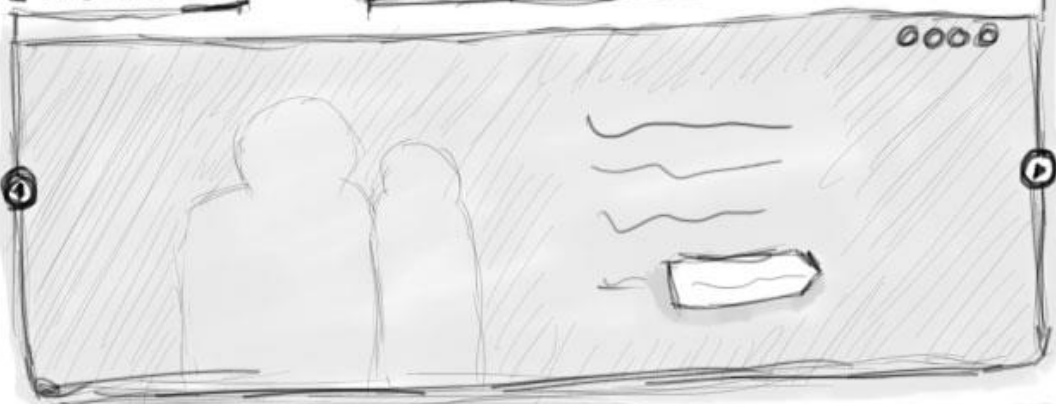
MEDAZIO

HOME

SEARCH

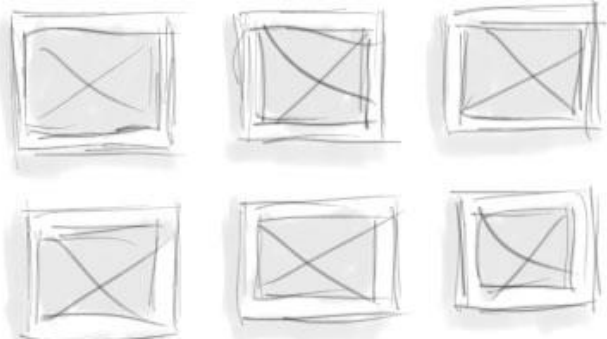


CAROUSEL
NAV LINKS



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STYLE

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Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin interdum massa facilisis mi dapibus a tincidunt ipsum porttitor. Pellentesque ornare pulvinar tempus.

[continue reading »](#)

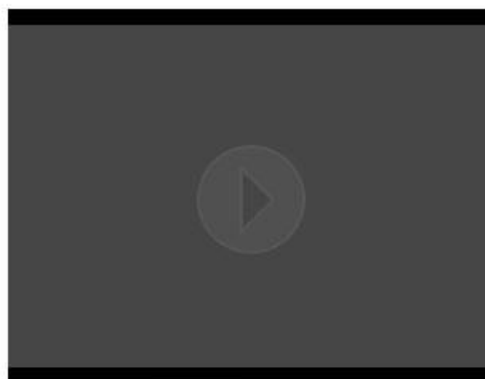
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Fusce ac ligula erat. In hac habitasse. Praesent, urna in sodales, enim libero accumsan dolor, et tortor metus non orci.



From the Medazio Blog

Vestibulum Volutpat Nibh ne Diam
 Facilisis scelerisque. Aliquam a erat lacus, non varius tellus.

Donec Pharetra, Nisi at Fermentum
 Faucibus, sapien ipsum aliquet arcu, eu vestibulum enim arcu sit amet nulla. Sed blandit odio auctor nisi.

Scelerisque Quis Pulvinar Quam Consectetur
 Nulla consectetur lectus sit amet magna aliquet vestibulum.

[older posts »](#)



Sign Up

[Email Updates »](#)



Publishing

Web Parts

Splash Page

Search this site...



Hello.

Nam et neque diam, eu pellentesque mauris. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Ut augue purus, ornare sed porta quis, cursus et enim.

[learn how »](#)



Welcome to Medazio, a completely made up word. This SharePoint 2010 theme was designed and created by Kyle Schaeffer.

Installation & Setup

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2. Create Layouts

Are you using SharePoint as a publishing platform? Create new page layouts for your site's content, copy the template code into your layout.

3. Copy Files

Colors & Style

Customize this theme with your own color scheme, easily modified in a simple CSS file. Add a logo, navigation, and contact information with ease.



Publishing

Pictures

[Splash Images](#)

Surveys

[Sample Survey](#)

Discussions

[Discussion](#)

Lists

[Announcements](#)

[Event Calendar](#)

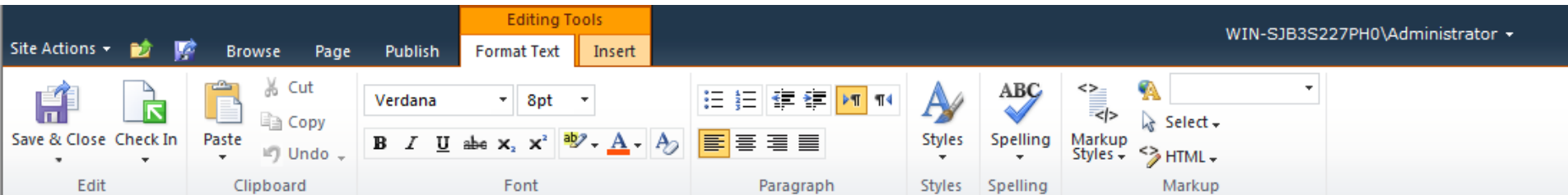
Web Parts

[Splash Page](#)

Implementation.

SharePoint 2010

- The “Ribbon”



The SharePoint 2010 Interface

The screenshot displays the SharePoint 2010 interface. At the top, the 'Site Actions' menu is visible on the left, and the user profile 'WIN-SJB3S227PH0\Administrator' is on the right. Below the top bar, the site title 'Medazio > SharePoint 2010 OOTB Site' is shown. A navigation menu on the left lists 'Medazio', 'Sample Site One', and 'Sample Site Two'. A search bar on the right contains the text 'Search this site...'. The main content area features three images of business professionals. Below the images, there are several links and descriptions:

- Enable anonymous access**
You must enable anonymous access on the site collection for the forms authentication logon page to work from Office SharePoint Server. Contact your administrator to have anonymous access enabled in Central Administration and IIS.
- Manage navigation**
Change the navigation links in this site.
- Go to master page gallery**
Change the page layouts and master page of this site collection.
- Manage site content and structure**
Reorganize content and structure in this site collection.
- Set up multilingual support**
Use the variations feature to manage multi-lingual sites and pages.
- Add users to the Approvers and Members groups**
Users in the Approvers group can publish pages, images, and documents in this site. Users in the Members group can create and edit pages, and they can upload images and documents, but they cannot publish the pages, images, or documents. Workflow is enabled in the Pages library, and content approval is enabled in the Documents and Images libraries.

The SharePoint 2010 Interface

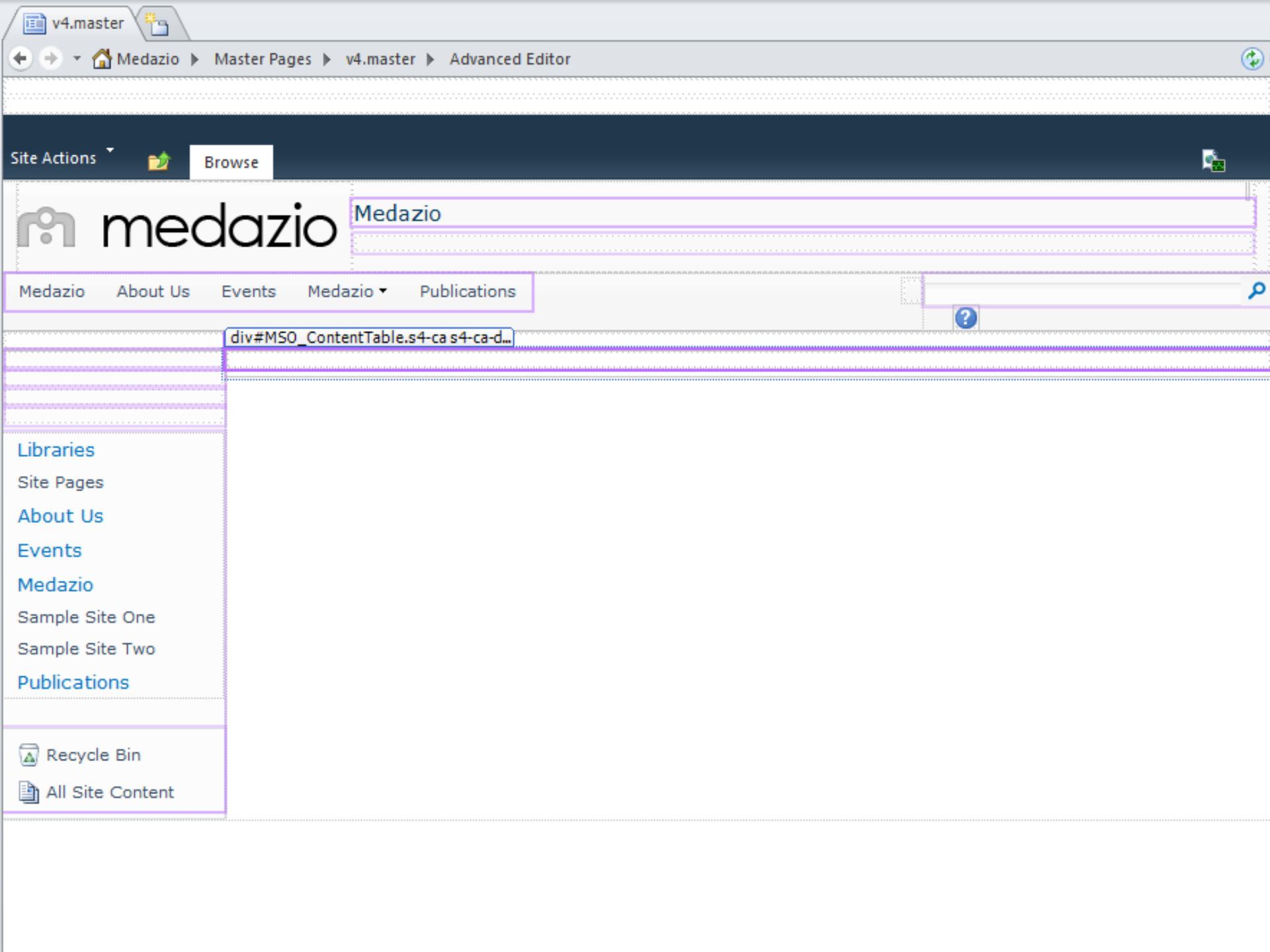
The screenshot displays the SharePoint 2010 user interface. At the top, a dark blue ribbon contains the 'Editing Tools' tab, which is active. The ribbon includes sections for 'Site Actions', 'Browse', 'Page', 'Publish', 'Format Text', and 'Insert'. The 'Insert' section is expanded, showing options for 'Save & Close', 'Check In', 'Paste', 'Cut', 'Copy', 'Undo', 'Font' (with a dropdown for 'Verdana' and '8pt'), 'Paragraph' (with various alignment and bullet point icons), 'Styles' (with a dropdown for 'A'), 'Spelling' (with a dropdown for 'ABC'), 'Markup Styles' (with a dropdown for '<>'), 'Select' (with a dropdown for 'A'), 'HTML' (with a dropdown for '<>'), and 'Markup' (with a dropdown for '<>').

Below the ribbon, a yellow status bar indicates 'Status: Checked out and editable.' To the left of the main content area, there are links for 'Sample Site One' and 'Sample Site Two'. The main content area features a 'Title' field with the text 'SharePoint 2010 OOTB Site' and a 'Page Content' section. The 'Page Content' section contains a large image of four business professionals (two men and two women) smiling and looking at a laptop. Below the image, there are several links and text blocks:

- [Enable anonymous access](#)
You must enable anonymous access on the site collection for the forms authentication logon page to work from Office SharePoint Server. Contact your administrator to have anonymous access enabled in Central Administration and IIS.
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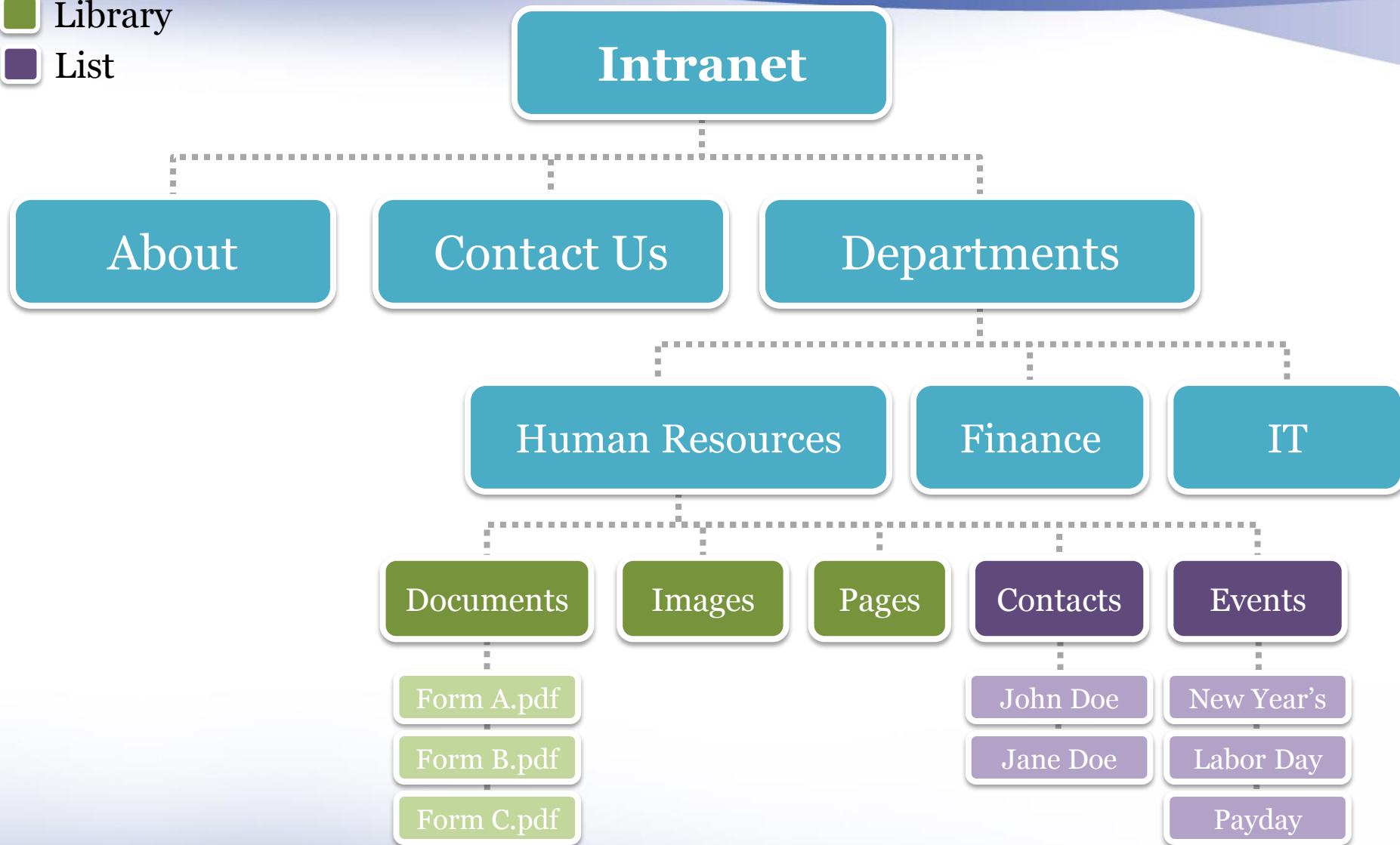
SharePoint Designer 2010

- It's free!
 - Sharepoint2010.microsoft.com



Terminology.

- Site
- Library
- List



Demonstration.

Master pages.



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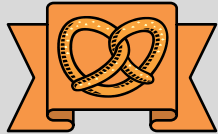
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(page content)

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Page layouts.



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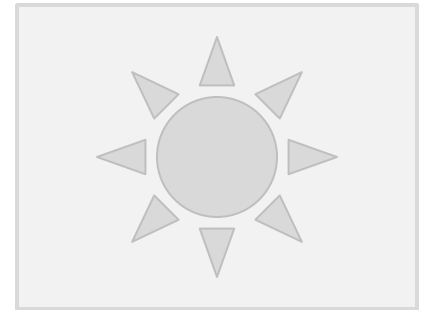
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[About Us](#) [Our Pretzels](#) [Specials](#) [Contact Us](#)

(page content)

Page Title

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Page Title



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Demonstration.

Customization.

SharePoint Web Technology

- **HTML**

- Hypertext Markup Language
- Content and structure

- **CSS**

- Cascading Style Sheets
- Presentation and style

- **JavaScript**

- Interactive behavior (more on this later)

HTML Elements

Opening tag

Closing tag

Powered by `SusQtech`.

Attribute

Value

CSS Styles

Select HTML element(s) {

Modify them! {

```
.article {  
    color: red;  
}
```

Element Selectors

`<p>`

Paragraph of text.

`</p>`

`p {`

`color: red;`

`}`

Class Selectors

```
<div class="article">  
    This is an article.  
</div>
```

```
.article {  
    color: red;  
}
```

ID Selectors

```
<div id="header">  
</div>
```

```
#header {  
    color: red;  
}
```

Descendant Selectors

```
<div id="header">  
  <h1>Hello.</h1>  
</div>
```

```
#header h1 {  
  color: red;  
}
```


Composite Selectors

```
<div id="header">  
  <ul class="top-nav">  
    <li>Item 1</li>  
    <li>Item 2</li>  
    <li>Item 3</li>  
  </ul>  
</div>
```

```
#header ul.top-nav li {  
  color: red;  
}
```

Complex Selectors

```
<ul class="top-nav">  
  <li>Item 1</li>  
  <li>  
    Item 2  
    <ul class="menu">  
      <li>Menu 1</li>  
    </ul>  
  </li>  
</ul>
```

```
ul.top-nav > li {  
  color: red;  
}
```

More About CSS

- In CSS, it pays to be in last place!
 - New styles override old styles
 - More specific styles override less specific ones
 - This allows us to customize the SharePoint interface without re-writing all of Microsoft's style sheets

Customization.

SharePoint Customizations

- Themes

- Easy
- Allow you to change color scheme, overall “feel” of the site

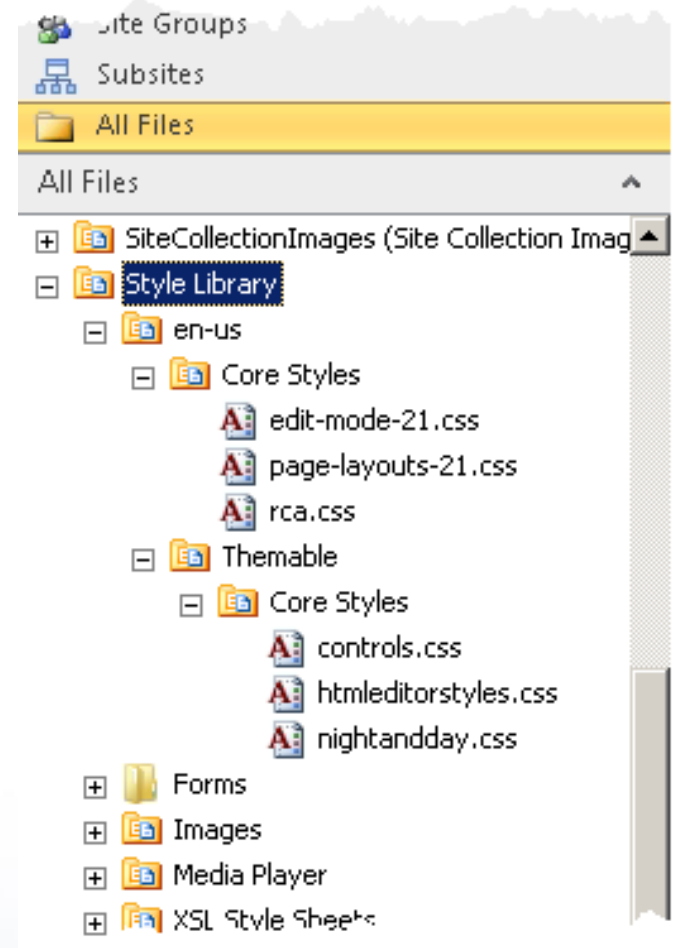
- Master page customizations & CSS

- Much more control over the appearance of the site
- More portable
- Ideal for most designs

SharePoint Customizations

■ Style Library

- Accessible through the “All Files” tab
- Stores commonly used CSS, XSL, and image files
- A great place to store your own design files (CSS, images, JavaScript, etc.)



v4.master

- Microsoft's master page

- Customizations are relatively easy

Attach

- Attach a **new style sheet**

Override

- **Override**
Microsoft's default SharePoint 2010 styles in your new style sheet

Customize

- Avoid customizing the **corev4.css** file!

Demonstration.

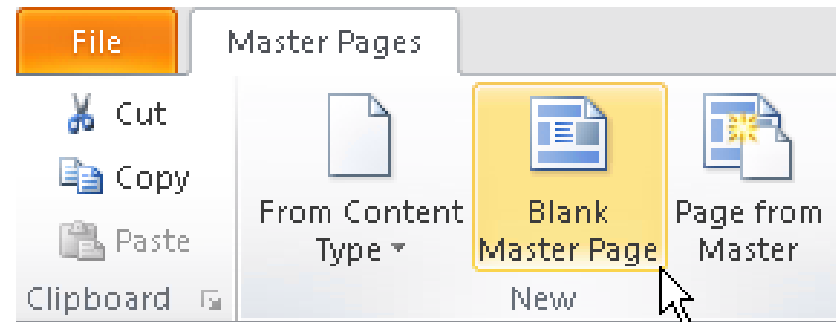
More “v4” Customizations

- Some things can't be done with CSS alone
 - Moving elements around on the page
 - Removing unwanted SharePoint components
 - Adding new components and controls
 - Major master page revisions and reorganization

Not Good Enough!

- Creating your own master page is truly the best way to customize the SharePoint interface

- Use a starter template
- Add only the components and controls that you need
- Create your own HTML structure
- Style your HTML with attached CSS style sheets



Create Your Own Master Page

<http://goo.gl/jhfqN>

Starter-Master-2010-Fixed-Ribbon-v1.1.txt

Create Your Own Master Page

Site Actions 

SUSQTRAIN\kyle ▾

SiteName Logo

Search this site... 

My New Site Press Releases

My New Site Press Releases  

Home



[Enable anonymous access](#)
Anonymous access allows users to view the pages on this site without logging in. This is useful when creating internet facing sites or sites where you want everyone to have access to read the content without editing.

[Manage navigation](#)
Change the navigation links in this site.

[Go to master page gallery](#)
Change the page layouts and master page of this site collection.

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Demonstration.

jQuery.

CSS Styles

Select something {
Style it! {
 .article {
 color: red;
 }

jQuery

Select something

```
$(' .article' ).hide();
```

Do something!

jQuery

```
$('.article').hide();
```

```
$('.article').slideUp();
```

```
$('.article').tabs();
```

```
$('.article').after('<em>Hello!</em>');
```

```
$('.article').css('color', 'red');
```

jQuery Events

```
$('.article').click(function(){  
    // do something  
});
```

```
$('.article').mouseover(function(){  
    // do something  
});
```

jQuery: “Document Ready”

```
$(document).ready(function({  
  
    // do something  
  
});
```

jQuery in SharePoint.

Demonstration.

Reset your CSS.

SharePoint 2010 CSS Reset

<http://goo.gl/6Yf2t>

Demonstration.

Settings & dialog pages.

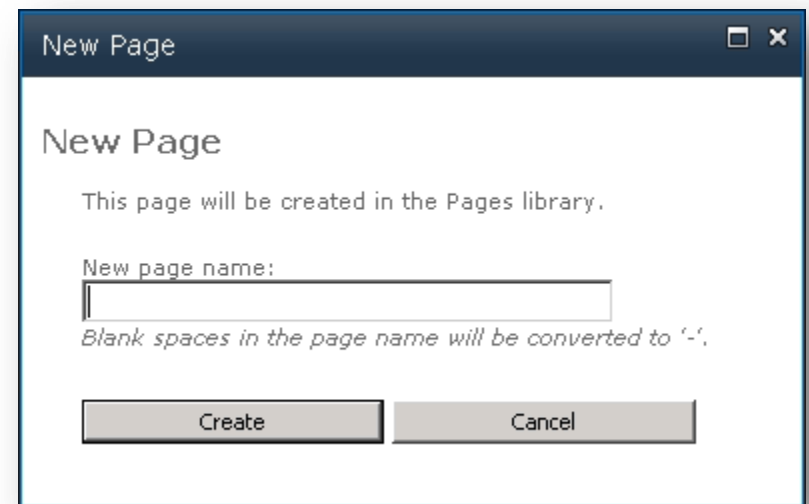
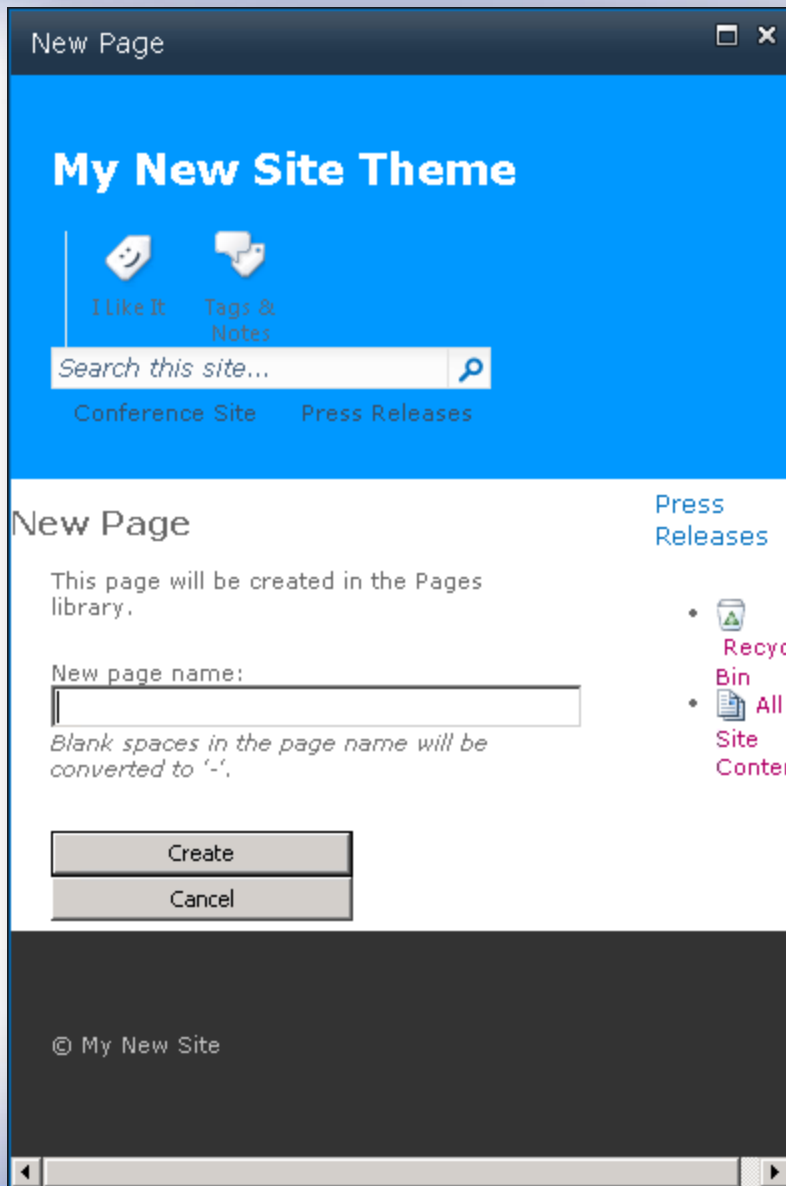
Settings & Dialog Pages

- We've been avoiding the “system” master page
 - Controls list views, settings pages, etc.
 - Pop-up dialog styles
 - Many other areas of SharePoint use this master page
- Your new master page is compatible!

Settings & Dialog Pages

- **How they work**

- SharePoint dialogs are floating <iframe/> tags
- Loads your entire master page into a dialog window
- <html class="ms-dialog">
- Checks for the "s4-notdlg" class and removes those items



New Page

New Page

This page will be created in the Pages library.

New page name:

Blank spaces in the page name will be converted to '-'.

Create

Cancel

Dialog Style

```
#wrapper {  
    width: 960px;  
    margin: auto;  
}
```

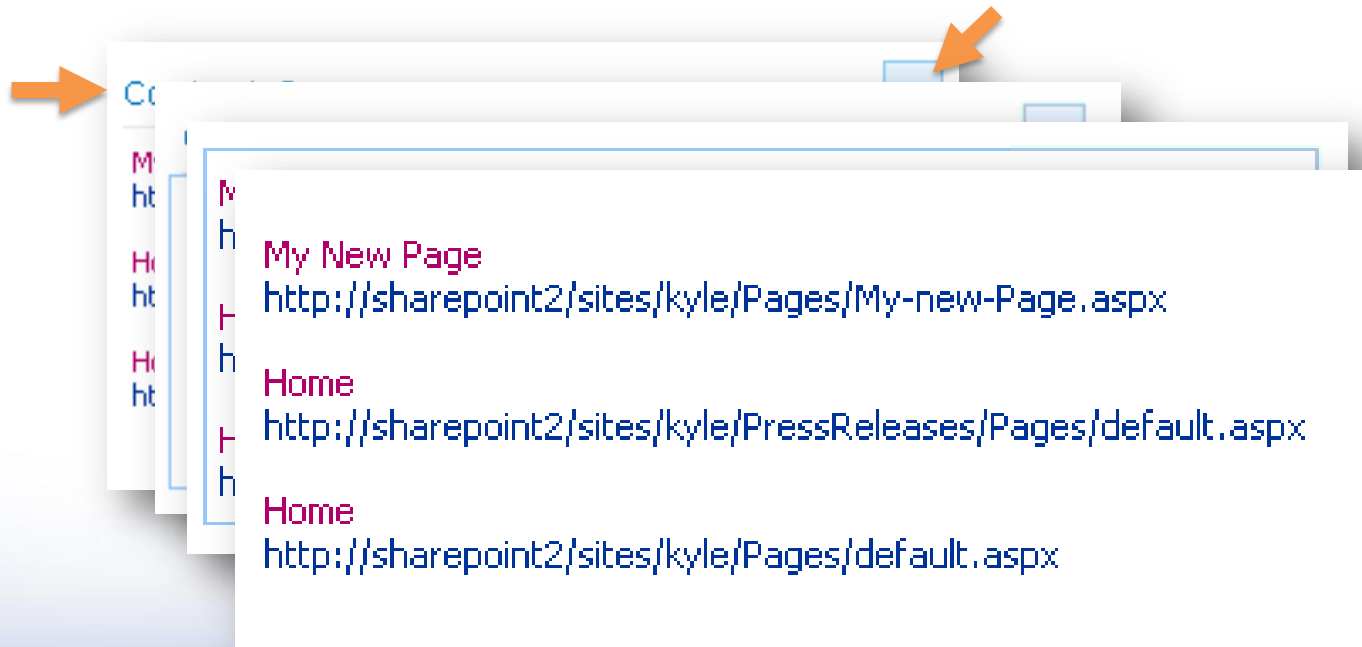
```
html.ms-dialog #wrapper {  
    width: 100%;  
}
```

Demonstration.

Web parts & content.

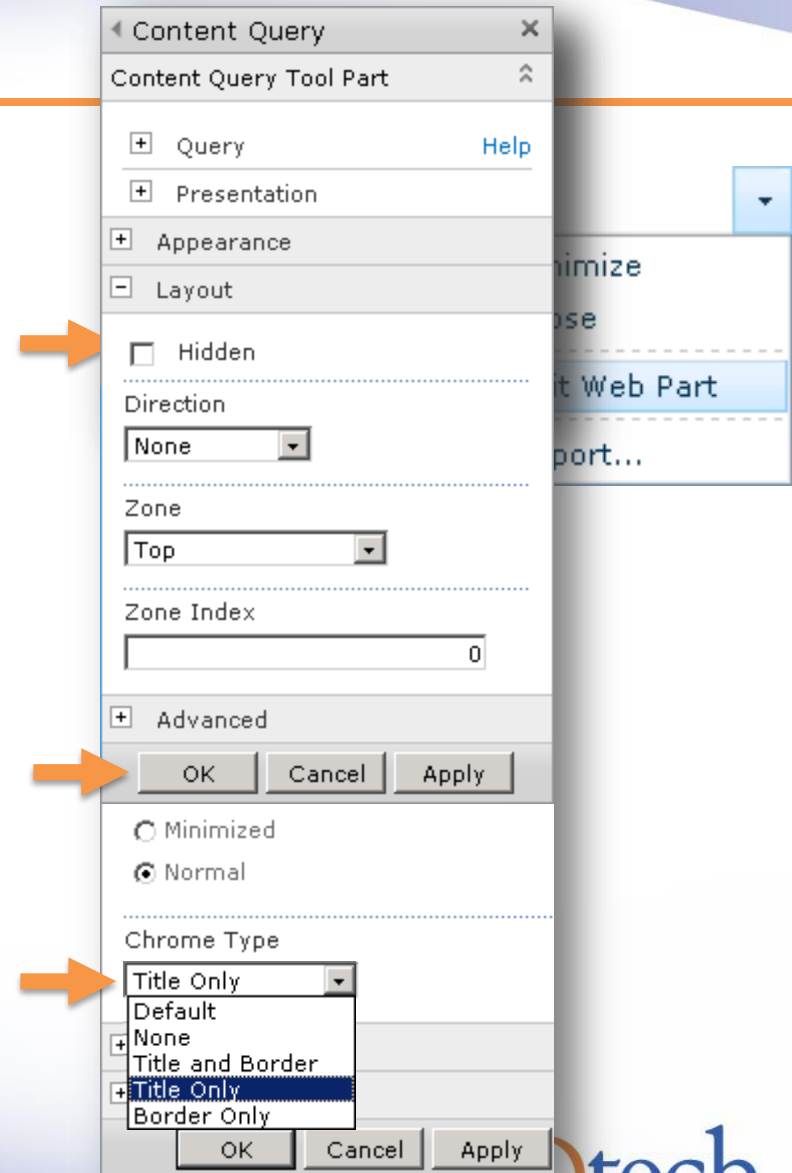
Web parts

- Configurable, modular components
 - Can be added to web part zones and in content areas
 - Zones are defined on page layouts



Web parts

- Editing a web part
 - Common properties to ALL web parts
 - Custom properties for each type of web part



Web parts

- The web part title

- All web parts use a few common CSS classes

```
<table width="100%" border="0" cellSpacing="0" cellPadding="0">
  <tbody>
    <tr class="ms-WPHeader">
      <td align="left" class="ms-wpTdSpace">
      <td title="Content Query - Displays a dynamic view of content fr
        <h3 class="ms-standardheader ms-WPTitle" style="text-align: j
      <td align="right" class="ms-WPHeaderTdMenu" onclick="OpenWebPart
      <td class="ms-WPHeaderTdSelection">
      <td align="left" class="ms-wpTdSpace">
```

Web parts

- The web part body
 - All web parts use a few common CSS classes

```
<div class="ms-WPBody noindex ms-wpContentDivSpace" id="WebPartWPQ1">  
  <div class="cbq-layout-main" id="cbqwpctl00_m_g_d89822d5_cd3f_4f1">  
  
    <td class="ms-WPBorder" valign="top">  
      <div class="ms-WPBody noindex ms-wpContentDivSpace" id="WebPartWPQ2">  
        <div class="cbq-layout-main" id="cbqwpctl00_m_g_d89822d5_cd3f_4f1">  
  
          <td class="ms-WPBorderBorderOnly" valign="top">  
            <div class="ms-WPBody noindex" id="WebPartWPQ2" allowDelete="false">  
              <div class="cbq-layout-main" id="cbqwpctl00_m_g_d89822d5_cd3f_4f1">
```

Demonstration.

Content query.

Item Styles


- A repeated item style:

Content

- Uses XSL

Item style:

Image on left
Image on left
Title and description
Title only
Title with background
Bulleted title
Image on right
Image on top
Image on top, centered
Large title
Image only, clickable
Image only, not clickable
Fixed image size
Title, description and document icon
MyNewItemStyle



Content Query

Content Query Tool Part

☒ Query [Help](#)

☐ Presentation

Grouping and Sorting:

in ascending order.
, 2, 3).

in descending order.
, 2, 1).

in ascending order.
, 2, 3).

in descending order.
, 2, 1).

f items to display

☒ Play media links in browser

Fields to display: ?

Link
URL Path;

Image

Creating an Item Style

1. /Style Library/XSL Style Sheets/ItemStyle.xsl

- Contains existing “item styles”

2. Copy an existing item style

- Paste at bottom of the file

3. Change the name of your copied style

- For example, **MyNewItemStyle**

4. Customize the XSL & columns as needed

Demonstration.

CSS and content.

CSS and SharePoint Content

- Rich content styles
 - Markup styles
 - Highlight styles
- Lists & libraries
 - List views
 - Calendars
 - Rows & columns
- Site templates
 - Blog
 - Wikis
 - Team sites, meeting workspace, etc.

Demonstration.

Questions?



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