Part One

SharePoint 2010
Styling & Branding
Introductions.
The Agenda

- **Part One**
  - SharePoint design strategy
  - Introduction to SharePoint design
  - Master pages & page layouts
  - Taking the “SharePoint” out of SharePoint

- **Part Two**
  - SharePoint content customizations
  - Getting creative in SharePoint
  - Advanced SharePoint design techniques
  - Awesome customizations with JavaScript and jQuery
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

Discover → Plan → Design → Implement
SharePoint Design Strategy

Discover | Plan | Design | Implement
Perception vs. Expectation
Perception vs. Expectation
Perception vs. Expectation

Start

Goal
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

Discover  Plan  Design  Implement
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

Community.

Technology.

Excellence.
Levels of Customization

SharePoint Themes
- Little to no effort (can easily be changed by end-users)
- Limited customization (colors & fonts only)

Low-Level Customization
- Less effort than most customizations
- Largely retain default SharePoint interface
- Limited to minor color and content changes (logos, header & footer, etc.)

Custom Master Page(s)
- Variable effort (depends on client’s needs)
- Allows for major layout changes and customization
- Utilizes the same controls as the default interface (navigation, search, breadcrumb, etc.)

Extend SharePoint
- Variable effort (depends on client’s needs)
- Virtually no limit to what can be done
- Often requires a developer to implement
- Can create custom controls with additional functionality not found in the default SharePoint interface
SharePoint Design Strategy

Discover  >  Plan  >  Design  >  Implement
SharePoint Design Strategy

Discover | Plan | Design | Implement
Tools of Design

- Three C’s of design
  - Components
  - Composition
  - Concept

- Let’s get creative
  - Brainstorming
  - Sketching
  - Graphic design
Welcome to Medazio, a completely made up word. This SharePoint 2010 theme was designed and created by Kyle Schaeff.</p>

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.

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.

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From the Medazio Blog

Vestibulum Volutpat Hibrid Ne Diam
Facilisis scelerisque. Aliquam a erat lacinus, non varius tellus.

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

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

---

Sign Up

Email Updates"
SharePoint Design Strategy

Discover
Plan
Design
Implement
SharePoint Design Strategy

Discover  Plan  Design  Implement
Tools of Implementation

- HTML, CSS, JavaScript
  - SharePoint Designer 2010

- You’re already doing it!
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**Colors & Style**

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[ video ]
A brief introduction.
SharePoint 2010

- **What’s new in SharePoint 2010?**
  - Accessibility
  - Browser support
  - Standards-compliance (DOCTYPE)
  - Simplified design process
  - More flexible themes and color schemes
  - The “Ribbon”
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.
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Also New in SharePoint 2010

- Business Data (BCS)
- Social networking
- Silverlight
- Office integration
- Much, much more
SharePoint Designer 2010

- **It’s free!**
  - SharePoint2010.microsoft.com

- **32-bit vs. 64-bit**
  - SharePoint Designer 2010 – 32-bit AND 64-bit
  - SharePoint Designer 2007 – 32-bit ONLY

- **If you want to install both, ALL Office applications on your computer must be 32-bit!**
SharePoint Designer 2010

- **New and improved**
  - Edit and create content types & site columns
  - Edit and manage permissions, security, site settings
  - Awesome new workflow editor
  - More control over SPD security (who can use SPD)
Master pages.
Page layouts.
(page content)
Page Title

Lab Session #1

Lesson 1: Introduction to SharePoint Design
SharePoint Design.
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

Select HTML element(s)

Modify them!

```css
.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

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

```css
#header {
  color: red;
}
```
Descendant Selectors

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

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

```html
<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

```html
<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

- **Pseudo-selectors**
  - *
  - :hover, :active, :visited
  - :first-child
  - CSS3 selectors (:nth-child(3n+1), :not(), etc.)

- **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

- Overwrite Microsoft’s default SharePoint 2010 styles in your new style sheet

Customize

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

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Lab Session #2

Lesson 2: Mastering the Master Page
Part Two

SharePoint 2010
Styling & Branding
Reset your CSS.
SharePoint 2010 CSS Reset

http://goo.gl/6Yf2t
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!
### Document Libraries

<table>
<thead>
<tr>
<th>Document Library</th>
<th>Description</th>
<th>Last Modified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customized Reports</td>
<td>This Document library has the templates to create Web Analytics custom reports for this site collection.</td>
<td>0 4 days ago</td>
</tr>
<tr>
<td>Documents</td>
<td>This system library was created by the Publishing feature to store documents that are used on pages in this site.</td>
<td>0 4 days ago</td>
</tr>
<tr>
<td>Form Templates</td>
<td>This library contains administrator-approved form templates that were activated to this site collection.</td>
<td>0 4 days ago</td>
</tr>
<tr>
<td>Images</td>
<td>This system library was created by the Publishing feature to store images that are used on pages in this site.</td>
<td>0 4 days ago</td>
</tr>
<tr>
<td>Pages</td>
<td>This system library was created by the Publishing feature to store pages that are created in this site.</td>
<td>1 2 days ago</td>
</tr>
<tr>
<td>Site Collection Documents</td>
<td>This system library was created by the Publishing Resources feature to store documents that are used throughout the site collection.</td>
<td>0 4 days ago</td>
</tr>
<tr>
<td>Site Collection Images</td>
<td>This system library was created by the Publishing Resources feature to store images that are used throughout the site collection.</td>
<td>2 2 days ago</td>
</tr>
<tr>
<td>Style Library</td>
<td>Use the style library to store style sheets, such as CSS or XSL files. The style sheets in this gallery can be used by this site or any of its subsites.</td>
<td>44 23 minutes ago</td>
</tr>
</tbody>
</table>

### Picture Libraries

There are no picture libraries. To create one, click **Create** above.
Settings & Dialog Pages

This was a **BIG** problem in 2007

NOT a problem in 2010!
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

This page will be created in the Pages library.

New page name:

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

Create  Cancel
#wrapper {
  width: 960px;
  margin: auto;
}

html.ms-dialog #wrapper {
  width: 100%;
}
Publishing sites.
Publishing Sites

- **The “Ribbon”**
  - You can add new buttons, tabs, and links
  - Convenient shortcuts to commonly-used features and functionality

- Most ribbon features are admin-focused
- Not needed for navigation
- Doesn’t add design or content value
- LOTS of JavaScript and CSS required to display the ribbon
- Why show it on publishing sites?
Hiding the “Ribbon”

<SharePoint:SPSecurityTrimmedControl PermissionsString="ManagePermissions" runat="server">

<!-- content appears here -->

</SharePoint:SPSecurityTrimmedControl>

http://goo.gl/5291c
Publishing Sites

- **Page Layouts**
  - Grants a lot of control over design
  - Create content areas, web part zones, etc.
  - Attach style sheets to your page layouts for even more customization
  - Add and remove columns for each page layout
Lab Session #3

Lesson 3: Taking the “SharePoint” Out of SharePoint
SharePoint 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
Web parts

- The web part body
  - All web parts use a few common CSS classes
Content query.
Item Styles

- A repeating template for each item in the Content Query Web Part
- Uses XSLT
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
CSS and content.
Lab Session #4

Lesson 4: Styling SharePoint 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.
Part Three

SharePoint 2010

Styling & Branding
Lab Session #5

Sketching Workshop
Lab Session #6

Experience Workshop
Part Four

SharePoint 2010
Styling & Branding
jQuery.
CSS Styles

Select something

Style it!

有利 property

有利 value
jQuery

Select something

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

Do something!
$.article.hide();
$.article.slideUp();
$.article.tabs();
$.article.after('<em>Hello!</em>');
$.article.css('color', 'red');
jQuery Events

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

$('.article').mouseover(function()
    // do something
);
```
jQuery: “Document Ready”

```javascript
$(document).ready(function({
    // do something
});
```
jQuery in SharePoint.
Image Carousel.
Image Carousel

- Picture Library
- Content Query WP
- Item Style
- jQuery Script
Lesson 5: Advanced SharePoint Design Techniques