



# SharePoint Content Management & Dashboard Reporting (CMDR) Tool

Dashboard

Version 1.0

### Purpose:

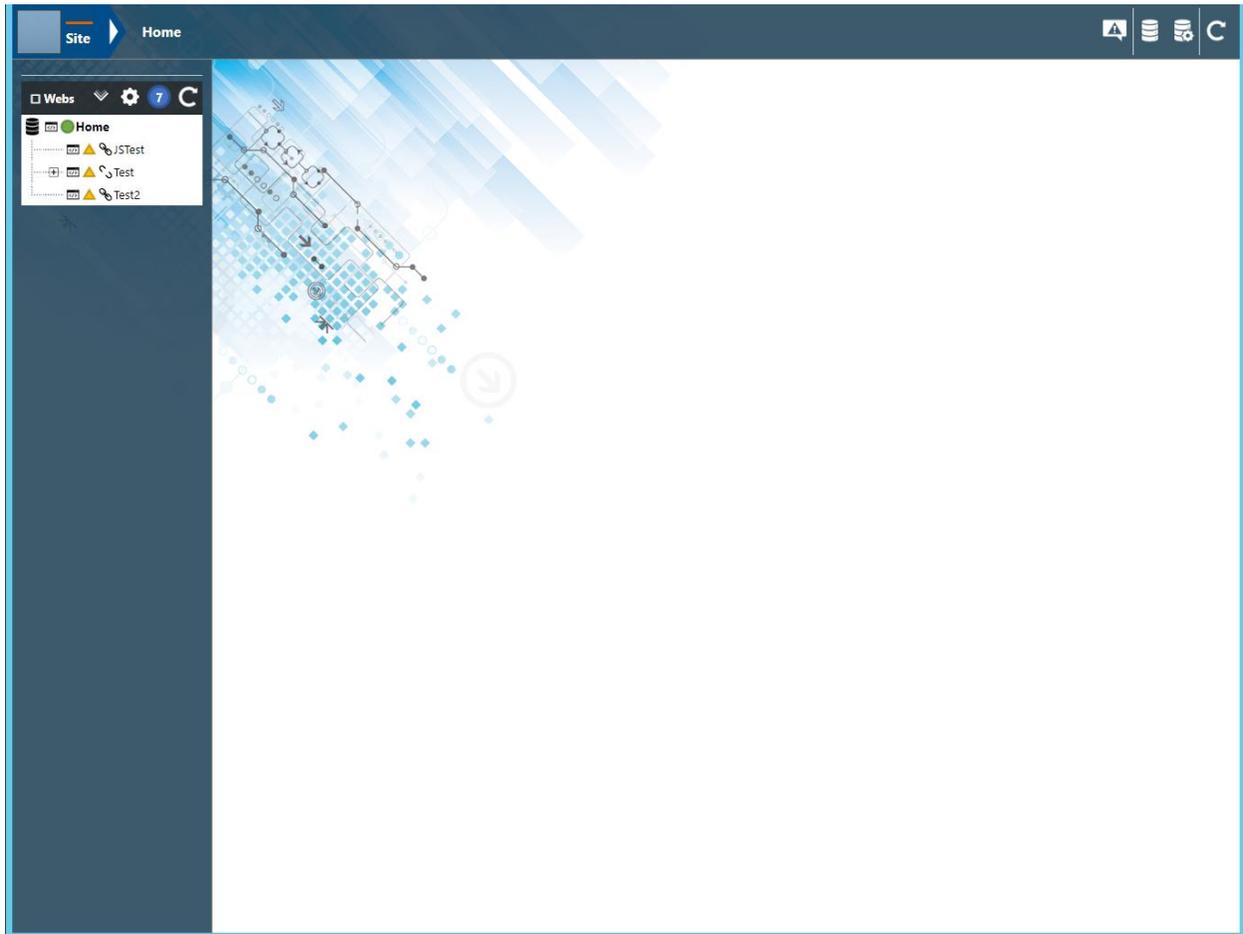
The primary objective of the SharePoint CMDR Tool's Dashboard page is to serve as the central interface for SharePoint Administrators, SharePoint Site Collection Admins, and SharePoint Developers. This tool is meticulously crafted to consolidate all essential functionalities within one accessible location. The intent is to empower users with comprehensive tools and enhanced features, offering heightened control over their Site Collections. The Dashboard is thoughtfully organized into tiers mirroring the hierarchy of a SharePoint Site Collection: Site, Web, and List. Each tier provides increasingly granular control, with this document focusing on elucidating the essential modules required for the core functionality of the SharePoint CMDR Tool. It's essential to note that additional modules exist and will be detailed in separate documents. Furthermore, crucial javascript libraries supporting the SharePoint CMDR Tool will be thoroughly explained later in this document.

## SharePoint CMDR Tool: Dashboard

### Site Level Tier

The Site Level Tier of the SharePoint CMDR Tool reflects functionality and features that affect the entirety of the Site Collection. At a minimum, the SharePoint CMDR Tool Site Level Tier modules and widgets include the following javascript libraries:

- siteTitle.js
- siteWebs.js

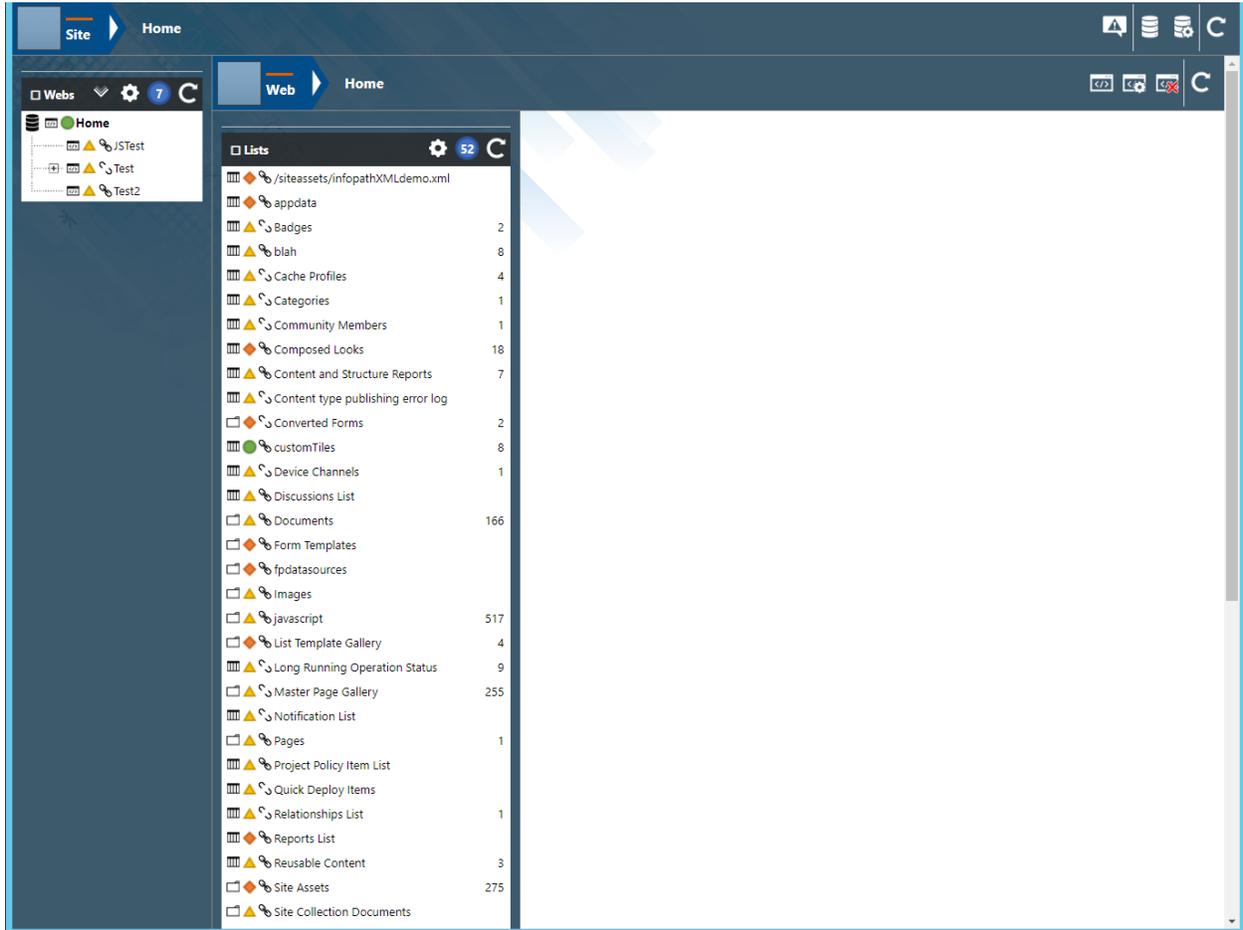


## SharePoint CMDR Tool: Dashboard

### Web Level Tier

The Web Level Tier of the SharePoint CMDR Tool reflects functionality and features that affect a specific web site in the Site Collection. At a minimum, the SharePoint CMDR Tool Web Level Tier modules and widgets include the following javascript libraries:

- webTitle.js
- webLists.js

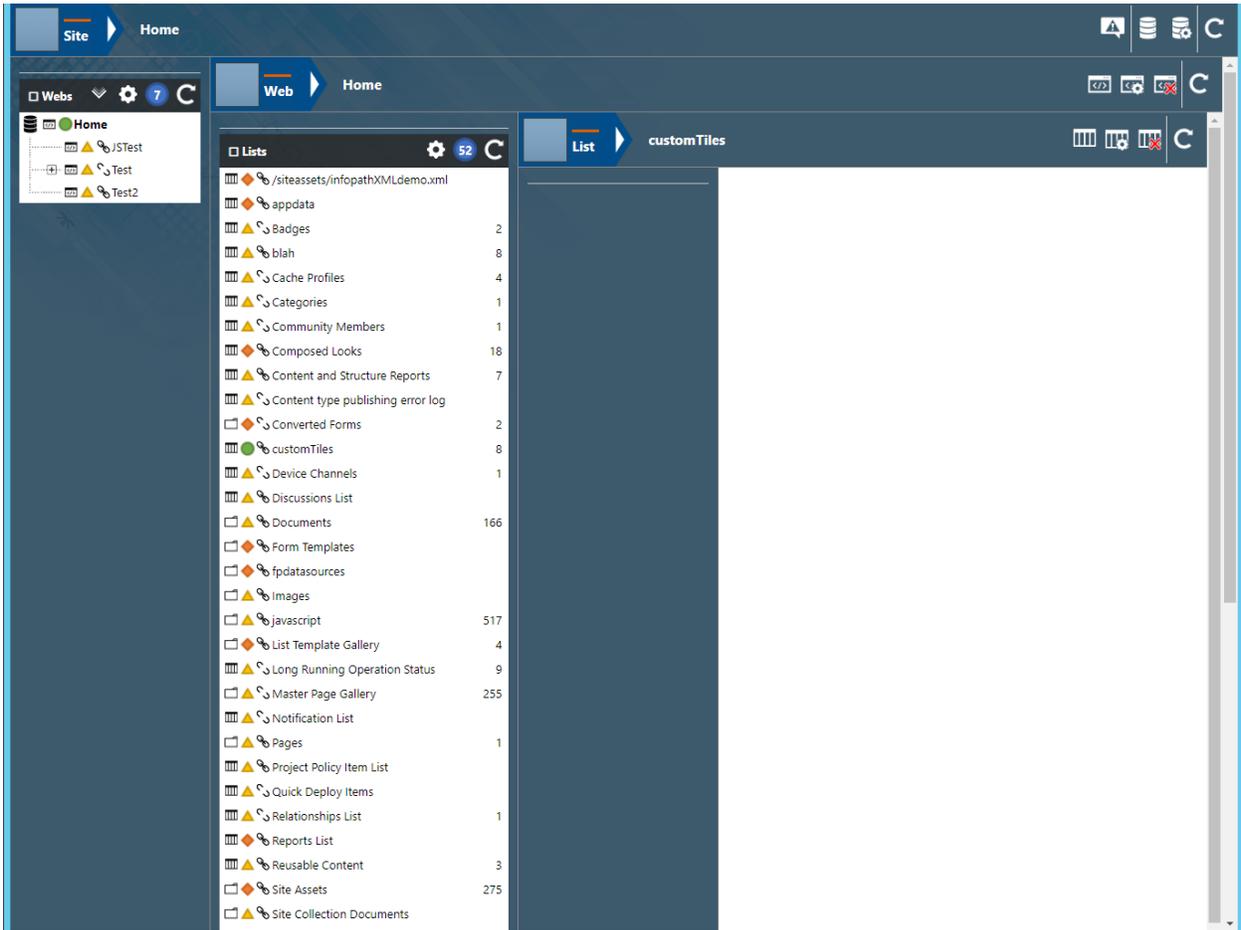


## SharePoint CMDR Tool: Dashboard

### List Level Tier

The List Level Tier of the SharePoint CMDR Tool reflects functionality and features that affect a specific list or library in a web site in the Site Collection. At a minimum, the SharePoint CMDR Tool List Level Tier modules and widgets include the following javascript libraries:

- listTitle.js



### Supporting Libraries

The SharePoint CMDR Tool has an array of supporting libraries that themselves, do not have an interface, but play pivotable roles in the functionality of the tool. At a minimum, the SharePoint CMDR Tool requires the following javascript support libraries:

- fileUpload.js – This library maintains the functionality to upload and manage files in SharePoint.
- pplPicker2.js – This library maintains the functionality to populate people picker controls.
- accordian.js – This library maintains the functionality to expand/collapse div elements.
- currentUser.js – This library maintains the functionality involved with the current user.
- jFunctions.js – This library maintains a variety of miscellaneous functions, each with various degrees of necessity.
- csvReader.js – This library maintains the functionality to read/write CSV files.

## Site Title:

The Site Title functionality is maintained in the siteTitle.js file. The Site Title javascript library is responsible for initializing all the Site Tier modules and widgets.



## Module (Main Content)

### Title

- No functionality associated at this time.

### Menu

- No functionality associated at this time.

### Content

The content of the module is separated into 3 parts: Tier, Title, and Icon Cluster.

**Tier:** this part simply identifies the level in the SharePoint structure: Site.

**Title:** this part displays the name associated with the Site Collection.

**Icon Cluster:** this part is a group of 4 icons.

- **Error and Message Log Icon:** this icon allows the user to see any messages from the SharePoint CMDR Tool regarding their actions in the Error Log modal.
- **Open Site Icon:** this icon will open a separate tab in the browser to the home page of the Site Collection.
- **Site Settings Icon:** this icon will open a separate tab in the browser to the Site Settings page of the Site Collection.
- **Refresh Icon:** this icon will forcibly reset the Site Title module and all subsequent Site Tier modules and widgets.

## Modals

### Error Log Modal

The Error Log modal allows the user to view any messages or errors that the SharePoint CMDR Tool identifies. In the case of errors, this information is helpful in identifying if there is an issue with the SharePoint CMDR Tool or not.

File	Function	Message	Error
webLists.js	update_webListsCreateLists	The list [TestList] was successfully created.	

## Webs:

The Webs widget functionality is maintained in the siteWebs.js file. The Webs javascript library is responsible for mapping the entirety of the Site Collection and providing users access to the Web Tier modules and widgets.



## Header

- **Expand/Collapse All Icon:** this icon allows the user to expand or collapse the tree view representing the infrastructure of the Site Collection.
- **Advanced Settings Icon:** this icon opens the Site Webs Advanced Settings modal.
- **Web Collection Icon:** this icon indicates how many webs exist in the Site Collections and when the user clicks on it, the Additional Details: Site Webs Collection modal opens.
- **Refresh Icon:** this icon allows the user to forcibly refresh the widget.

## Main Content

### Title

- No functionality associated at this time.

### Menu

- No functionality associated at this time.

### Content

The content of the widgets is composed of a tree-view representation of the Site Collection web hierarchy. Each node has several descriptive icons to indicate certain features. The top node has a database icon to indicate its place in the hierarchy. If a node has children, then an icon is present to allow the user to expand/collapse that branch.

**Status Icon:** each node has a status indicator (green, yellow, red) to represent how recently that web was changed.

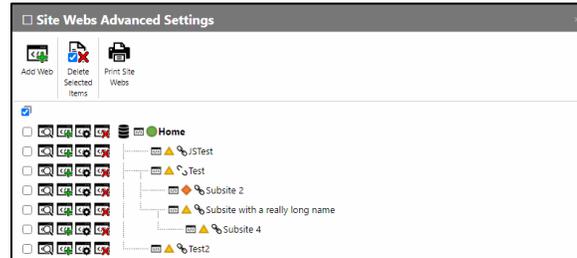
**Inheritance Icon:** each node has a link/unlinked icon to indicate if the permissions for that web are inherited from their parent node.

**Web Link:** each node has a clickable link to allow the user to view the Web Tier modules as it relates to the selected web

### Modals

#### *Site Webs Advanced Settings Modal*

The Site Webs Advanced Settings modal allows the user to create, update, and delete webs in the site collection. The user is presented with a menu and an expanded view of all the webs in the site collection.



#### Menu:

- **Add Web:** this menu button will open the Create Web modal that will allow the user to enter information to add a new web to the root of the site collection.
- **Delete Selected Items:** this menu button works in conjunction with the selection checkboxes next to each node. It will prompt the user to confirm that the selected webs will be deleted.
- **Print Site Webs:** this menu button will generate a print preview of the modal.

#### Main Content

- **Select All Icon:** this icon allows the user to select all the webs in the modal.
- **Node Icons/Controls:**
  - **Selection Checkbox:** this icon queues the specified web as selected/unselected.
  - **Additional Details Icon:** this icon opens the Additional Details: Web modal with a list of all the different functions and objects (and any retrievable values) associated with the selected web.
  - **Add SubWeb Icon:** this icon will open the Create Web modal that will allow the user to enter information to add a new sub-web to the selected web.
  - **Web Settings Icon:** this icon will open a new tab in the browser to the Web Settings page for the selected web.
  - **Delete Web Icon:** this icon will prompt the user to confirm that the selected web will be deleted.
  - **Node Tree:**
    - **Status Icon:** each node has a status indicator (green, yellow, red) to represent how recently that web was changed.
    - **Inheritance Icon:** each node has a link/unlinked icon to indicate if the permissions for that web are inherited from their parent node.
    - **Web Link:** each node has a clickable link to allow the user to view the Web Tier modules as it relates to the selected web.

*Additional Details: Site Webs Collection Modal*

The Additional Details: Site Webs Collection modal allows the user to view a list of all the different functions and objects (and any retrievable values) associated with the site collection web collection object. This feature, like every Additional Details modal, is designed to provide administrators and developers more insight into their SharePoint environment.

Items with a red diamond indicator represent a function or object that exists, but no data was able to be retrieved; if the user wants to explore the function or object, they will have to pursue that on their own.

A yellow triangle indicator represents a function or object that exists, and some information about the function or object was able to be retrieved; the user will need to explore that on their own.

A green circle indicator indicates the function or object was able to be executed and provided results.

Name	Type	Value
getEnumerator	function	[Object Object]
\$0_0	object	[Object Object]
\$5_0	object	[Object Object]
\$1E_1	object	
\$2_1	object	[Object Object]
\$12_1	boolean	true
ItemAt	function	
get_Item	function	
get_childItemType	function	function(b,a)(ULSdih:SPWeb.initializeBase(this,b,a))
add	function	[Object Object]
constructor	function	function(b,a)(ULSdih:SPWebCollection.initializeBase(this,b,a))
get_areItemsAvailable	function	true
retrieveItems	function	[Object Object]
\$1U_0	function	
\$3M_1	function	[Object Object]
getItemAtIndex	function	
get_count	function	1
\$3E_1	function	
\$2n_1	function	
get_data	function	[Object Object]
fromJson	function	function(c)(ULSnd3:SPClientObject.prototype.fromJson.call(this,c);var b;b=c._Child_Item;if(!this.\$12_1=true;SPDataConvert.\$1y(this.\$0_0,this.\$2_1);this.get_childItemType):f
addChild	function	function(a)(ULSnd3:Array.add(this.get_data(),a));if(!a.\$R_0=this.\$12_1=true
removeChild	function	function(c)(ULSnd3:(this.\$2_1);return var b=null;if(SPObjectPathIdentity.isInstanceC-) !(this.\$2_1[a])=c;if(this.\$2_1[a].\$R_0=this.\$2_1[a].\$R_0=null;Array.remove
get_context	function	[Object Object]
get_path	function	[Object Object]
get_objectVersion	function	

*Create Web Modal*

The Create Web modal allows the user to create webs in the site collection. The user is presented with a form of required user inputs.

**Create Web**

Web Type:

Title:

Url:

Description:

Controls:

- Web Type: this dropdown contains the enumerated list of web types.

## SharePoint CMDR Tool: Dashboard

- Title: this text box is the name of the new web.
- URL: this text box is the extension of the url that the new web will be located.
- Description: this text box is optional, but the user can use it to provide a brief description of the new web.
- Save: this button will use the inputs from the above controls to attempt to create a new web.
- Cancel: this button will close the modal.

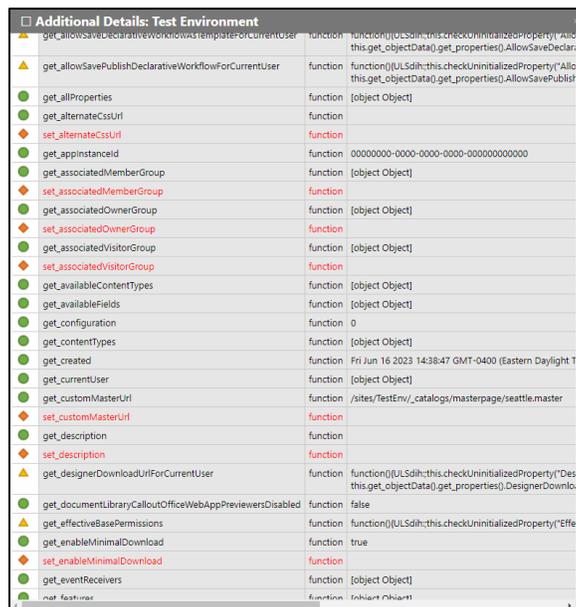
### *Additional Details: Web Modal*

The Additional Details: Web modal allows the user to view a list of all the different functions and objects (and any retrievable values) associated with a specified Web object. This feature, like every Additional Details modal, is designed to provide administrators and developers more insight into their SharePoint environment.

Items with a red diamond indicator represent a function or object that exists, but no data was able to be retrieved; if the user wants to explore the function or object, they will have to pursue that on their own.

A yellow triangle indicator represents a function or object that exists, and some information about the function or object was able to be retrieved; the user will need to explore that on their own.

A green circle indicator indicates the function or object was able to be executed and provided results.



Function/Object Name	Value	Status Indicator
get_allowSavePublishDeclarativeWorkflowForCurrentUser	function	Yellow Triangle
get_allProperties	[object Object]	Green Circle
get_alternateCssUrl	function	Green Circle
set_alternateCssUrl	function	Red Diamond
get_appInstanceId	00000000-0000-0000-0000-000000000000	Green Circle
get_associatedMemberGroup	[object Object]	Green Circle
set_associatedMemberGroup	function	Red Diamond
get_associatedOwnerGroup	[object Object]	Green Circle
set_associatedOwnerGroup	function	Red Diamond
get_associatedVisitorGroup	[object Object]	Green Circle
set_associatedVisitorGroup	function	Red Diamond
get_availableContentTypes	[object Object]	Green Circle
get_availableFields	[object Object]	Green Circle
get_configuration	0	Green Circle
get_contentTypes	[object Object]	Green Circle
get_created	Fri Jun 16 2023 14:38:47 GMT-0400 (Eastern Daylight T	Green Circle
get_currentUser	[object Object]	Green Circle
get_customMasterUrl	/sites/TestEnv/_catalogs/masterpage/seattle.master	Green Circle
set_customMasterUrl	function	Red Diamond
get_description	function	Green Circle
set_description	function	Red Diamond
get_designerDownloadUrlForCurrentUser	function	Yellow Triangle
get_documentLibraryCalloutOfficeWebAppPreviewersDisabled	false	Green Circle
get_effectiveBasePermissions	function	Yellow Triangle
get_enableMinimalDownload	true	Green Circle
set_enableMinimalDownload	function	Red Diamond
get_eventReceivers	[object Object]	Green Circle
get_features	function	Green Circle

## Web Title:

The Web Title functionality is maintained in the webTitle.js file. The Web Title javascript library is responsible for initializing all the Web Tier modules and widgets.



## Module (Main Content)

### *Title*

- No functionality associated at this time.

### *Menu*

- No functionality associated at this time.

### *Content*

The content of the module is separated into 3 parts: Tier, Title, and Icon Cluster.

**Tier:** this part simply identifies the level in the SharePoint structure: Web.

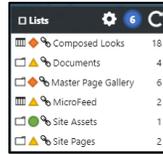
**Title:** this part displays the name associated with the Web.

**Icon Cluster:** this part is a group of 4 icons.

- **Open Web Icon:** this icon will open a separate tab in the browser to the home page of the Web.
- **Web Settings Icon:** this icon will open a separate tab in the browser to the Site Settings page of the Web.
- **Delete Web Icon:** this icon will prompt the user for confirmation to delete the web. Confirmation will delete the Web from the Site Collection.
- **Refresh Icon:** this icon will forcibly reset the Web Title module and all subsequent Web Tier modules and widgets.

## Lists:

The Lists widget functionality is maintained in the webLists.js file. The Lists javascript library is responsible for mapping the entirety of the Web and providing users access to the List Tier modules and widgets.



## Header

- **Advanced Settings Icon:** this icon opens the Web Lists Advanced Settings modal.
- **List Collection Icon:** this icon indicates how many Lists/Libraries exist in the Web and when the user clicks on it, the Additional Details: Web Lists Collection modal opens.
- **Refresh Icon:** this icon allows the user to forcibly refresh the widget.

## Main Content

### Title

- No functionality associated at this time.

### Menu

- No functionality associated at this time.

### Content

The content of the widgets is composed of a tree-view representation of the Site Collection web hierarchy. Each node has several descriptive icons to indicate certain features. The top node has a database icon to indicate its place in the hierarchy. If a node has children, then an icon is present to allow the user to expand/collapse that branch.

**Type Icon:** each row has an indicator to allow the user to recognize if the row represents a list or a library.

**Status Icon:** each row has a status indicator (green, yellow, red) to represent how recently that list/library was changed.

**Inheritance Icon:** each row has a link/unlinked icon to indicate if the permissions for that list/library are inherited from their parent web.

**List Link:** each row has a clickable link to allow the user to view the List Tier modules as it relates to the selected List/Library.

**List Items Count:** each row will have number on the far right to indicate how many items are contained within the list/library; or it will be empty if no items exist.

## Modals

### Web Lists Advanced Settings Modal

The Web Lists Advanced Settings modal allows the user to create, update, and delete lists/libraries in the web. The user is presented with a menu and a more detailed view of all the lists/libraries in the web.

	Title	Items	Last Modified
<input type="checkbox"/>	<b>Composed Looks</b> 70e01d09-a1e7-4ef5-bbb7-ff6554811d0f	18	Mar 24 2023
<input type="checkbox"/>	<b>Documents</b> 379ab485-a094-4c6c-83be-9fe7f2d7dc91	4	May 11 2023
<input type="checkbox"/>	<b>Master Page Gallery</b> de323f88-43f0-4323-b4a5-a1811e4ec0b3	6	Mar 24 2023
<input type="checkbox"/>	<b>MicroFeed</b> 974dc4af-33ab-4dbe-83b3-712946ed918a	2	Apr 18 2023
<input type="checkbox"/>	<b>Site Assets</b> badcd6e1-cdf3-4c6e-85f0-4ae834a4ca0e	1	Jul 11 2023
<input type="checkbox"/>	<b>Site Pages</b> e04d999a-0fde-48ca-b43d-037586da268b	2	Apr 18 2023

### Menu:

- **Add List:** this menu button will open the Create List modal that will allow the user to enter information to add a new list to the web.
- **Delete Selected Items:** this menu button works in conjunction with the selection checkboxes next to each row. It will prompt the user to confirm that the selected lists/libraries will be deleted.
- **Open Site Contents:** this menu button will open the Web Site Contents page in a separate tab.
- **Print Web Lists:** this menu button will generate a print preview of the modal.

### Main Content

- **Select All Icon:** this icon allows the user to select all the lists/libraries in the modal.
- **Row Icons/Controls:**
  - **Selection Checkbox:** this icon queues the specified list/library as selected/unselected.
  - **Additional Details Icon:** this icon opens the Additional Details: List modal with a list of all the different functions and objects (and any retrievable values) associated with the selected list/library.
  - **List Settings Icon:** this icon will open a new tab in the browser to the List/Library Settings page for the selected list/library.
  - **Delete List Icon:** this icon will prompt the user to confirm that the selected list/library will be deleted.
  - **Rows:**
    - **Status Icon:** each row has a status indicator (green, yellow, red) to represent how recently that list/library was changed.
    - **Inheritance Icon:** each row has a link/unlinked icon to indicate if the permissions for that web are inherited from their parent web.

- **Title & GUID:** each row shows the list/library Title and GUID.
- **Items:** each row shows the number of items within the list/library.
- **Last Modified:** each row shows the date the list/library was last modified.

*Additional Details: Web Lists Collection Modal*

The Additional Details: Web Lists Collection modal allows the user to view a list of all the different functions and objects (and any retrievable values) associated with the list/library collection object. This feature, like every Additional Details modal, is designed to provide administrators and developers more insight into their SharePoint environment.

Items with a red diamond indicator represent a function or object that exists, but no data was able to be retrieved; if the user wants to explore the function or object, they will have to pursue that on their own.

A yellow triangle indicator represents a function or object that exists, and some information about the function or object was able to be retrieved; the user will need to explore that on their own.

A green circle indicator indicates the function or object was able to be executed and provided results.

Additional Details: Web Lists Collection		
Name	Type	Value
getEnumerator	function	[object Object]
\$0_0	object	[object Object]
\$5_0	object	[object Object]
\$1E_1	object	
\$2_1	object	[object Object],[object Object],[object Object],[object Object],[object Object],[object
\$12_1	boolean	true
itemAt	function	
get_item	function	
get_childItemType	function	function(b,a){ULSdih:SPList.initializeBase(this,[b,a])}
getByTitle	function	function(d){ULSdih:var c=this.get_context(),a=b=this.get_objectData().get_methodRe (;this.get_objectData().get_methodReturnObjects().GetByTitle=b)a=b[d.toUpperCase SPObjectPathMethod(c,this.get_path(),"GetByTitle",[d]);b[d.toUpperCase]=a;var e= SPObjectIdentityQuery(a.get_path());c.addQueryIdAndResultObject(e.get_id(),a);c.add
getById	function	function(c){ULSdih:var d=this.get_context(),a=b=this.get_objectData().get_methodRe (;this.get_objectData().get_methodReturnObjects().GetById=b)a=b[c.toString()];if(!S SPObjectPathMethod(d,this.get_path(),"GetById",[c]);b[c.toString]=a;return a}
add	function	[object Object]
ensureSitePagesLibrary	function	[object Object]
ensureSiteAssetsLibrary	function	[object Object]
constructor	function	function(b,a){ULSdih:SPListCollection.initializeBase(this,[b,a])}
get_areItemsAvailable	function	true
retrieveItems	function	[object Object]
\$1U_0	function	
\$3M_1	function	[object Object]
getItemAtIndex	function	
get_count	function	7
\$3E_1	function	
\$2n_1	function	
get_data	function	[object Object],[object Object],[object Object],[object Object],[object Object],[object
fromJson	function	function(c){ULSnd3:SPClientObject.prototype.fromJson.call(this,c);var b=b=c_child_I [;this.\$12_1=true;SPDataConvert.\$1v(this.\$0_0,this.\$2_1,b,this.get_childItemType);fr

### *Create List Modal*

The Create List modal allows the user to create lists/libraries in the site collection. The user is presented with a form of required user inputs.

A screenshot of a 'Create List' modal window. The window has a title bar with a close button (X) and the text 'Create List'. Inside the modal, there are two input fields: 'List Type:' with a dropdown menu showing 'Select...' and 'Title:' with a text input box. At the bottom right of the modal, there are two buttons: 'Save' and 'Cancel'.

#### Controls:

- List Type: this dropdown contains the enumerated list of list/library types.
- Title: this text box is the name of the new list/library.
- Save: this button will use the inputs from the above controls to attempt to create a new list/library.
- Cancel: this button will close the modal.

### *Additional Details: List/Library Modal*

The Additional Details: List/Library modal allows the user to view a list of all the different functions and objects (and any retrievable values) associated with a specified list/library object. This feature, like every Additional Details modal, is designed to provide administrators and developers more insight into their SharePoint environment.

Items with a red diamond indicator represent a function or object that exists, but no data was able to be retrieved; if the user wants to explore the function or object, they will have to pursue that on their own.

A yellow triangle indicator represents a function or object that exists, and some information about the function or object was able to be retrieved; the user will need to explore that on their own.

A green circle indicator indicates the function or object was able to be executed and provided results.

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Additional Details: Site Pages

Name	Type	Value
\$0_0	object	[object Object]
\$5_0	object	[object Object]
\$7_2	function	
getItemById	function	function(a)(ULSdih;if(typeof a == 'string')return this.\$4u_2(a.toString());e b,c=this.get_objectData().get_methodReturnObjects().getItemById(c);if(!c)SPObjectPath.Method(this.get_context(),this.get_path(), 'getItemById', (a))
get_allowContentTypes	function	true
get_baseTemplate	function	119
get_baseType	function	1
get_browserFileHandling	function	function(){ULSdih:this.checkUninitializedProperty('BrowserFileHandling');
get_contentTypes	function	[object Object]
get_contentTypesEnabled	function	true
set_contentTypesEnabled	function	
get_created	function	Tue Jul 11 2023 21:01:03 GMT-0400 (Eastern Daylight Time)
get_dataSource	function	function(){ULSdih:this.checkUninitializedProperty('DataSource');return th
get_defaultContentApprovalWorkflowId	function	00000000-0000-0000-0000-000000000000
set_defaultContentApprovalWorkflowId	function	
get_defaultDisplayFormUrl	function	function(){ULSdih:this.checkUninitializedProperty('DefaultDisplayFormUrl
set_defaultDisplayFormUrl	function	
get_defaultEditFormUrl	function	function(){ULSdih:this.checkUninitializedProperty('DefaultEditFormUrl');n
set_defaultEditFormUrl	function	
get_defaultNewFormUrl	function	function(){ULSdih:this.checkUninitializedProperty('DefaultNewFormUrl');D
set_defaultNewFormUrl	function	
get_defaultView	function	[object Object]
get_defaultViewUrl	function	function(){ULSdih:this.checkUninitializedProperty('DefaultViewUrl');retur
get_description	function	
set_description	function	
get_direction	function	none
set_direction	function	

## List Title:

The List Title functionality is maintained in the listTitle.js file. The List Title javascript library is responsible for initializing all the List Tier modules and widgets.



## Module (Main Content)

### Title

- No functionality associated at this time.

### Menu

- No functionality associated at this time.

### Content

The content of the module is separated into 3 parts: Tier, Title, and Icon Cluster.

**Tier:** this part simply identifies the level in the SharePoint structure: List.

**Title:** this part displays the name associated with the List/Library.

**Icon Cluster:** this part is a group of 4 icons.

- **Open List/Library Icon:** this icon will open a separate tab in the browser to the default page of the list/library.
- **List/Library Settings Icon:** this icon will open a separate tab in the browser to the Settings page of the list/library.
- **Delete List/Library Icon:** this icon will prompt the user for confirmation to delete the list/library. Confirmation will delete the list/library from the Web.
- **Refresh Icon:** this icon will forcibly reset the List Title module and all subsequent List Tier modules and widgets.