Alliance by PROTECH

MX Online Release Notes 8.2.0.0

April 1, 2019

Item	Module/Web Part	Description
1	**All web parts: 100% Responsive Design via redesigned UI**	In response to the urgent need for a truly mobile-friendly user interface, Protech has completely re-coded all of the MX web parts to achieve 100% responsiveness and 'Mobile-first' user interface design. The re-coding of MX web parts uses the open-source 'Bootstrap Framework' to build responsiveness into every control. Responsiveness means that the page layout adjusts based on the size of the devices they're on: • Automatic device detection • Automatic re-sizing and wrapping • Automatic layout changes Specific Responsiveness Changes include: • <u>Edit forms are not pop-ups.</u> View/edit web parts (like Contact Basic Information, Addresses, and Guest Registration) where the user clicks a button from 'View' mode to edit the same information that they see in read-only mode, now transition to 'Edit' mode in the same space, without a pop-up. • <u>Lists of records are templates.</u> MX Find's default layout is a formatted template now, not a grid, so the information stretches down, not across. There is no tendency to push width boundaries. • <u>Transaction lists are not wide multi-column grids.</u> Where the output needs to display multiple values for each record (like Shopping Cart items, Registration Summary and, Select Sessions), multiple field values can be combined into one wrapping column. The new vertical layout wraps easily in a narrow mobile screen, replacing the inherent rigidity of multi-column grids. • <u>Lookups do not require pop-ups</u>. Lookups are now simple auto-fill input fields, which removes the need for pop-up lookup windows. • <u>Icons replace entire web parts in the banner</u>. In order to reduce the footprint of MX components within the site architecture, an icon is the shortcut to the cart, and DNN 'Sign In' replaces the 'Welcome' web part, and icons replace text for action buttons.

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2	**All web parts: Bootstrap Framework classes and uninterrupted flow down from site styles to MX styles**	Protech has transformed the stylesheet architecture for MX, in order to improve the look and feel of the components and to make it seamless with the overall site styling. • All styling in the default stylesheet is based on Bootstrap classes. Bootstrap is an industry standard that has responsiveness built in, and the same classes that govern the site branding will automatically flow down to the MX web parts without needing to translate to proprietary MX-only classes. The core mx.css is defined within Bootstrap.css, and the site-wide styling, portal.css, governs those MX classes through changes to the Bootstrap styles. • MX Controls are automatically styled based on predefined rules. MX does not require the Administrator to style every button and every dropdown separately, because styling is globally applied. For instance, all buttons are 'primary' action buttons by default, except for buttons whose names identify them as having certain secondary functions. • Bootstrap controls replace Telerik controls for responsiveness and streamlined look and feel. • Templates for MX Find are based on the same Bootstrap classes as core MX web parts, so they automatically display the same look and feel as the rest of the site. • Site headers and footers are now their own files, separate from MX site page layouts, so there are no layout constraints. This makes it easy for clients to use the defaults or customize headers and footers freely to match their main site. • MX web parts reference icons from the Font Awesome library of icons. Font Awesome is automatically installed with the MX DNN site, so icons replace common button text like 'Edit' and 'Remove,' and icons accompany social links for Twitter, Facebook and, LinkedIn.

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3	**All web parts: Configuration forms open in Advanced Options mode**	The Configuration form for all web parts has been enhanced as follows: • When you open the configuration link, it automatically positions the user on the 'View Mode – Advanced Settings' tab, which removes the need for three extra clicks to get to the key settings. • The 'Global' tab has been enhanced with a new 'Subtotal' setting, to insert a subtotal in medium-sized type below the large font title, and above any small-sized instruction text. • The 'Configuration Roles' field has been removed to avoid configuration error, because there is never a reason to change the roles of those who can configure MX web parts. The definition of the Administrator is someone who can configure web parts.

Item	Module/Web Part	Description
4	**Administrative Toolbar – Global Configuration for MX settings**	The Administrative Toolbar has been expanded to include more global configuration options: • Front-end: Since Bootstrap is an industry-standard user interface standard, it is often installed already in a website CMS and does not have to be registered specifically to support MX web parts. If the CMS already has Bootstrap Framework, as in Ready2Go, the new setting is 'No.' The same logic applies to jQuery and the Icon library. The MX site's stylesheets are bootstrap.css, mxsite.css, and portal.css, which are located in the portal directory. This configuration form also includes a list of stylesheets and JavaScript libraries in the '_default' path that is used to manage the look and feel in the responsive pop-ups. • Images: Now there are global paths for defining where MX should find different types of images. The configuration supports four different path fields, which are used by MX Find templates, Product Catalog, and core web parts like Meeting Details. There are separate paths for Account images, Contact images, Event images, and Product images. Other types of images, like Promotional Package images and Benefit images, are generally kept in the Product images path. • SAML integration settings: Support for SAML SSO requires global settings for the SAML Certificate path and password. • Addresses: A new setting in this section identifies the MX site's default country. This country is pre-filled into the address country field as a default, so that country cannot be NULL and the address fields, such as State/Province, that behave differently depending on that country, will also have a default behavior.

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<tr><th>Item</th><th>Module/Web Part</th><th>Description</th></tr>
<tr><td>4</td><td>Account Basic Information – Redesigned for Responsiveness and More Fields</td><td>
The Account Profile web part has been completely re-designed for responsiveness, both in 'View' mode and in 'Edit' mode, and now includes all the information that one would expect to find on a business card. The new layout is based on the web design concept of organizing information in a 'card,' which is used throughout the MX 8.2 user interface.

Address is now included in this web part. Primary address is now editable in this web part, whereas in previous versions it was displayed in 'View' mode, but was not editable.
Social media links have also been added for both view and edit, updating new fields that have been added to the 'Web and Social' tab of the account entity in UX:

pa_linkedin
pa_twitter
pa_facebook
pa_instagram
pa_youtube

Layout changes have also improved readability:

In 'View' mode, icons replace field prompts and wrap seamlessly with the field value when viewed on a mobile device.
Logo image can be uploaded directly from 'View' mode, without editing the whole web part.
In 'Edit' mode, the field lengths are varied, depending on the type of information in them, so the Company name field is given 80% of the width, an acronym only 20% on the same row. City, State/Province and Postal Code are all displayed on one row in the 'Edit' form, as addresses should be. In previous versions, each edit field was alone in its own row, and all were the same 100% length.

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<tr><th>Item</th><th>Module/Web Part</th><th>Description</th></tr>
<tr><td>5</td><td>Contact Basic Information – Redesigned for Responsiveness and More Fields</td><td>The <u>Contact Profile</u> web part has been completely re-designed for responsiveness, both in ‘View’ mode and in ‘Edit’ mode, and now includes all the information that one would expect to find on a business card. The new layout is based on the web design concept of organizing information in a ‘card,’ which is used throughout the MX8.2 user interface.

<u>Address is now included in this web part</u>. Primary address is now both visible and editable in this web part, whereas in previous versions it was completely omitted.
<u>Social media links</u> have also been added for both view and edit, updating new fields that have been added to the ‘Web and Social’ tab of the contact entity in UX:

pa_linkedin
pa_twitter
pa_facebook
pa_instagram
pa_youtube

<u>Layout</u> changes have also improved readability:

In ‘View’ mode, icons replace field prompts and wrap seamlessly with the field value when viewed on a mobile device.
Profile Image can be uploaded directly from ‘View’ mode, without editing the whole web part.
In ‘Edit’ mode, all five ‘Name’ fields (Prefix, First, Middle, Last, and Suffix) occupy a single row, and the space fills in if you choose to hide any of the fields. ‘City,’ ‘State/Province,’ and ‘Postal Code’ are all displayed on one row in the ‘Edit’ form, as addresses should be. In previous versions, each edit field was alone in its own row.

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6	**Contact – My Company – Redesigned as a Single input field – easy option to Add new Record.**	The Contact - My Company web part has been completely redesigned to streamline the user interface and make it 100% responsive. 1. In 'View' mode, this web part defaults to 'Simple' mode, displaying 'Company Name' only, a link to the My Company web page, and a button to remove the current company. 'Application' mode removes the link to the My Company web page. 'Full' mode has been redesigned to use the new layout for Account Basic Information. 2. In 'Edit' mode, this web part is now one auto-fill input field, without the two pop-up forms needed previously for searching for an account and then adding a new one if none is found. This same Auto-fill input field appears wherever MX has a lookup to an account record. • The 'Auto-fill' input form automatically displays a dropdown list of possible accounts as soon as the user has typed at least three characters of the company name. Possible matches are based on a 'begins-with' query on the account sort field. Each account is followed by its city, to make it easier to distinguish among accounts with similar names. • A single '+ Add' link allows the user to add a new account record. If the user clicks that link, a responsive pop-up opens that automatically sizes according to the screen size, requesting company name and city of the new account. • The 'Add' form performs a duplicate check on the new account name and city and notifies the user if there is an existing record. If there are no duplicates, an account record is created and linked to the user as parent.

Item	Module/Web Part	Description
7	**Contact – My Registrations – Includes View Registration Summary and Transfer Registrant**	My Registrations has been redesigned for both responsiveness and increased functionality. There are now two links that the user can click to view and/or edit each registration. 1. The user can click 'View/Edit Details' as part of the web part, to open a responsive window with the registration details, including sessions and guests and fees, laid out exactly like the Registration Summary at the end of the registration process. There is a link to navigate to the Edit Registration process directly from that detail view, passing the selected registration ID, so the user can immediately fix any detail that they want to change. Previously, you could click 'View Itinerary' but it could only be displayed in a separate web part that could be out of sight, and would not lead directly to 'Edit.' 2. Transfer registration to a different person. In addition to Edit Registration, there is a new button allowing you to transfer an existing registration from one contact to another, at which point all registration details are changed to the new user. • After starting to type the name of the new registrant, after three letters the web part displays a dropdown list of possible matching contact names. • If the list does not include the desired contact, the user can add a new contact by clicking the '+ Add' link, and then enter first and last names, and e-mail. • A duplicate check is performed on the new contact. • Once the new registrant has been saved with the registration, the list in 'My Registrations' will automatically re-sort to list the new registration in the correct order by name alpha. • The user can click the 'View/Edit' link to edit the new registrant's badge and questions using standard 'Edit Registration' forms.

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<tr><td>8</td><td>Customer Addresses – Redesigned as Cards with ability to assign Default Country,</td><td>The following changes have been made in the Addresses web part.

1. The ‘Addresses’ web part now lists addresses using a ‘card’ layout, similar to MX Find Templates. The addresses are listed vertically instead of as fixed dimension tiles.

2. By default, the first two addresses are displayed, and a ‘Load more’ link is displayed below for the user to view all addresses instead. This ‘Load more’ link replaces the previous ‘View Top 2’ and ‘View All’ buttons.

3. When the user clicks the ‘Add’ button to open an empty ‘Edit’ form, or when the user clicks a selected address’s ‘Edit’ button, there is no pop-up window. The ‘Edit’ form simply replaces the ‘View’ form in the same page.

4. Address fields are laid out in the ‘Edit’ form intuitively and responsively. ‘City,’ ‘State/Province,’ and ‘Postal Code’ are all displayed on one row in the ‘Edit’ form, as addresses should be. In previous versions, each edit field was alone in its own row, and all were the same 100% length.

5. Globally set a default country so country is not initially NULL. There is a new global configuration setting in the ‘Admin’ form that allows you to define which country should be prefilled when the form loads, to accommodate the majority of members. If Canada or United States, State/Province will be a required dropdown. Otherwise, it will be presented as an optional text field.

6. Note that another global configuration setting, added in MX 5.6, allows the organization to save country name in the addresses entity country field as the country full name instead of its two-digit code if desired.

7. Addresses in the Shopping Cart are displayed and edited using the same layouts as the Customer – Addresses web part. The user selects an address for processing the Cart by clicking a ‘Bill to this address’ button or ‘Ship to this address’ button. They can also Add and Edit a Shopping Cart address using the same forms.</td></tr>
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Item	Module/Web Part	Description
9	**Global – MX Find – Auto Template – Make your own template without editing an ascx file**	Auto Template is a new, simple, and fast way to show query results data in a formatted card layout using configuration settings only, without the need to create a template file first in code. This new template represents a new alternative for admins and SC's to configure an attractive one-time solution on the fly. Previously, the results of an MX Find had to be displayed in a grid layout if a dedicated template had not already been coded. This presented organizations with an obstacle that could only be overcome by enlisting consulting services to code custom templates for each MX Find requirement. With the Auto Template, the results fields can be laid out in a template layout via configuration, by mapping each field to a predefined section of an OOTB template called 'Auto.' 1. The template has a predefined position for the following sections: 'Title,' 'Subtitle,' and 5 blocks of text 'Text Block 1' through 'Text Block 5.' Each section is separated from the others with a blank line. 2. If more than one field is assigned to the same Text Block, the user can specify the order of the fields, and can also specify whether to insert a line break after selected fields in the same section, or if there should just be a '|' separator between fields on the same line. 3. Editable field prompts can be displayed with field values if desired, or they can be hidden for fields such as Address components that need no identification. 4. Certain field values in the text blocks can be bolded, underlined, italicized, and/or displayed in a small font. 5. Title and subtitle are formatted in a larger font with contrasting color. The title by default is a hyperlink to the Navigation URL configured in the web part. When the user clicks the title, they are taken to the destination page, along with the recordID parameter of the selected record.

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10	**Global – MX Find – Configure Editable Template results (Add, Edit, Remove) if using Auto Template**	The MX Find Editable mode is now available when the output is formatted using the 'Auto' template. It used to be available only for grids. MX Find Templates can now be configured with the same options that were previously available only when the output was configured as a grid. So now the result display types include: • Grid • Grid (Editable) • Template List • **Template List (Editable)** • Control List If the Result Display type selected is either 'Grid (Editable)' or 'Template List (Editable),' the button for 'Add' will be displayed at the top of the template list, and the icon hyperlinks for 'Edit' and 'Remove' will be displayed at the bottom of each template-formatted result. Any of these edit options can be unchecked, so only the checked options are displayed for the user to click.
11	**Global – MX Find – Configure Navigation URL is embedded in Templates**	MX Find Templates now read the web part configuration setting for Navigation URL and merge that path with hyperlink controls, to reduce the need for direct edits of the template code. Among the functional enhancements that this enhancement brings are: 1. An action button whose destination is defined by 'Navigation URL' is now embedded in the OOTB templates. This makes it possible for a reusable template to be directed to different pages using configuration only, without having to code a custom template for each destination. 2. Append parameters for field values other than the selected recordID {0}. In the web part configuration for Navigation URL, reference the field's schema name, and follow it with '_value' if passing the guide of a lookup field. For example, in an MX Find for listing Committee Members, the Navigation URL setting can be configured to pass the ContactID of the selected committee member record, as follows: /Directories/Members/Member-Details?contactid={pa_contactid_value}

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12	**Global – MX Find – Configure Images Path as a setting, instead of being hard-coded in Templates**	MX Find Templates now read the web part configuration setting for Image Path and merge the path variable with the image file name, to reduce the need for direct edits of the template code. None of the standard templates has a hard-coded path – the web part configuration for each MX Find or Product Listing instance defines where the template is to find the images. 1. There are four predefined image paths, pre-defined in the global 'Admin' form, that can be selected for each MX Find: • Account • Contact • Event • Product Previously, there was only one predefined directory - /Images/profiles – but now different types of image files can be placed in separate directories, to make them easier to find and upload. By default, all four directories are within the path /Portals/0/assets/images/ but they can be redirected as needed. 2. Each MX Find can specify its own Image path. By selecting the path by the entity type only, the admin user does not need to know the exact path syntax. However, they can also override the predefined paths and specify a different path if desired.
13	**Global – MX Find – Hide the entire web part if no results, or configured as Child Find**	When the MX Find query results in no records, the entire web part is now hidden, both in grid and template mode. This addresses a problem where the web part title and empty grid's column headers were displayed in a situation where they were irrelevant. In addition, the 'Child Find' option, which hides all results if there is no URL parameter to filter the results, is now available when 'Template List' or 'Control List' is the result mode. This checkbox option, and the parameter setting that determines whether to show or hide the results, used to be available only for grids. These two new ways of automatically hiding the entire web part are important in order to support scenarios in which MX Finds need to be conditionally displayed. Note that the one exception to this automatic hiding functionality is the 'Subtitle.' The new configuration setting for 'Subtitle' should not be populated for web parts that need to be completely invisible in certain circumstances, because this logic does not automatically hide the subtitle at this time.

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14	**Global – MX Find – Enhanced Directory Templates**	Directory Templates – All of the standard MX templates have been redesigned for attractiveness and streamlining of display logic. They have also been renamed for greater clarity. Directory templates have several new features of note: 1. All templates now use common user interface structures and approaches, ensuring consistency and continuity with the look and feel of other core MX web parts. For example, the design principles used in the directory templates of MX Find are shared with web parts such as Meeting Speakers and Registration Summary. 2. There are now two standard templates for contacts and accounts, one for the directory thumbnails and the other for a separate details page when the user clicks on the link. 3. A 'See Details' link expands to show bio/description paragraph directly from the directory thumbnails page. 4. Icons are displayed at the bottom of each directory card for Map-It (view the address in Google maps), Send Email, and Go to Website. Social networking icons can also be displayed. These are displayed automatically if the contact/account being displayed has values in these fields, and any icons are automatically hidden if they are empty. 5. The built-in templates only use Bootstrap classes and controls to build the user interface. This makes them extremely transparent for styling purposes, and styling changes automatically flow down to all of the templates. When building custom templates, it is essential to continue this practice, so all templates can be styled predictably and seamlessly throughout the site. However, custom classes can still be added if necessary.
15	**Global – MX Find – 'No-Results' MX Find for Stand-alone Search Forms**	A Stand-alone 'Search' form can be created using a 'No-Results' MX Find with parameters sent 'to URL,' and combined with other web parts. This makes it possible to configure a search form whose purpose is to provide URL parameter search values for other MX Find outputs to filter on. To create a stand-alone 'Search' form, configure it as follows: • Results Display Type = 'No Results' • For each Search field whose display mode is 'Show,' a new option called 'To URL?' is set to 'Yes,' along with a name to be used to identify each parameter.

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		• The Advanced Find for this kind of form should not include any search criteria other than 'Show,' because it is only to collect the user's entry/entries, not for generating results. It doesn't even have to search on the same entity as the results MX Find(s) as long as it has the right field type. For example, if a search form is designed for Product Catalog, the search fields can be assigned the following parameter names: 'name' ToURL parameter = 'productname' 'pa_wauthorname' ToURL parameter = 'author' 'pa_wcategory' ToURL parameter = 'category' 'pa_wdownloadable' ToURL parameter = 'downloadable' When the user searches for product = Jacket, Category = Apparel, and Downloadable = No, the URL refreshes to read: http://mxr2gresponsivetemplate.ptassoc.com/Shop/Product-Catalog?productname=Jacket&author=&category=Apparel&downloadable=False Using this type of MX Find Search-only form makes it possible to do the following: 1. Display one global search form with one 'Keywords' search field that can be applied as a filter in more than one field in other web parts. For instance, the user enters the text 'Education' in the single search field, and the search field places that text in the URL when they click 'Search.' Multiple other MX Find web parts on the same page can be configured to filter their results where Meeting Name contains 'Education,' where Product Name contains 'Education,' where Account name contains 'Education,' etc. Or the user can enter 'Nick,' and an MX Find can search for contacts where First name contains 'Nick,' or Last Name contains 'Nick,' or Nickname contains 'Nick,' or parent company contains 'Nick.' 2. Display the search form on one page, with navigation to a different page to view the search results. The Navigation URL can be the same page, or it can be another page. 3. Display full results in a Product Catalog, and display an optional 'Search' form that filters the same Catalog's results when the user clicks 'Search.' Place a search form anywhere on the page alongside a results set that defaults to full results but is also refreshed by the user's entries in the search form. Use the search form's 'CLEAR' button to restore the default full results.

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		4. Define a search form that remains open even after the search has been run. Because they are two separate web parts, there is no automatic closing of the search form in order to display results. 5. Display a search form that is visible to all users, but results are shown as 'Editable' for primary contacts vs. 'Read-only' for regular members. The search is configured for all users, while the results of the search are displayed in two different instances. Web roles determine which results MX Find the user can see, so the one that is editable is visible only to Primary Contacts, and the one that is read-only is visible only to regular members.
16	**Global – Navigation Bar – New 'Submit Application' Logic that Adds to Cart, for One Click Registration**	Submit Application redirection option – A new redirection logic option in the Navigation Bar goes beyond just going to different pages, and now can be used to submit the current application or registration record to the cart from any page where it is appropriate. The Submit Application functionality can be combined with conditional logic, so a meeting that has no sessions or guests can be configured to submit to cart – and redirect to the cart - after the first page of the registration, while meetings with more options need to continue to the next pages. This is a change in approach, where completing a process can be achieved by the Navigation Bar, not only by dedicated web parts. This means that the 'One-page registration' (for courses and other short registration needs) can now be configured to add the registration directly to cart, without needing an invisible summary web part. Similarly, a one-page 'Join' can be added to the cart without needing the 'Agree to Terms' web part just to be able to complete the application.
17	**Global – Navigation Bar – Redesigned UI for Previous and Next buttons**	Navigation Bar – Previous and Next buttons are now placed at opposite sides of the page (left and right), with different symbols - '**< Previous**' and '**Next Step >**' to make clear their navigation role. This makes them easier for the user to identify at a glance because they have a different role from other buttons on the form. In previous versions, they looked like all other buttons.

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18	**Meetings – Event Details – Redesigned as a Meeting Home Page Header, with a banner-shaped image**	Event Details - Header – The meeting detail web part has been redesigned to serve as a meeting-specific page banner for the Meeting Home Page, instead of just using the location image as a thumbnail. Two new Meeting-specific image fields have been added to the UX Meeting Setup entity, in the 'Online Detail' section of the form. The schema names are pa_imageurl01 and pa_imageurl02. These new fields are especially valuable when Location image is not appropriate for branding and identifying the meeting. It is also valuable to have more than one image for the meeting, for different purposes. The Event Details web part uses the pa_imageurl01 field as a banner across the page and centers the meeting information as a page header. The Calendar thumbnail uses the same image field by default. But the two images are displayed in different aspect ratios – the calendar uses a 2:1 ratio, while the Event details header uses the full width of the contact area, so it could extend as wide as 6:1. To prevent the image from being distorted by this banner-type ratio, the Event Details web part takes a narrow horizontal slice from the center of the image instead of stretching it. Note that the calendar template can be modified to use the value in pa_imageurl02 instead, allowing the organization to upload a dedicated banner image into the imageurl01 field, and a different image for the calendar.
19	**Meetings – Speakers – Displayed in a Graphical Card layout**	Speakers – This web part has been redesigned to share the fully formatted card view that the directory templates take advantage of. The speaker's image, name, job title, company, city, state/province, country, and website are displayed in 'Card' format. A 'View Bio' hyperlink in the cart expands the card down to show the full biography text from their Speaker Bio record. The expansion of the card does not involve a pop-up or tooltip; it just extends the height of the card for that row.

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20	**Meeting Registration – New Registration Header web part – Displays Meeting and Registrant on every Process Page**	Registration Header – This is a new web part that displays the registrant on every registration process page, in addition to meeting name and date(s). This registration page header is especially valuable when the user is registering someone else, to be sure they are aware of who they are registering at each point in the process. This web part replaces the earlier workaround of displaying an MX Find for this purpose. Organizations that are upgrading MX Ready2Go to 8.2, will need to remove the top MX Find from registration pages and add the 'Registration Header' web part in its place. On the first registration page, where the user selects 'Registration,' there were two MX Finds that need to be removed: the first displayed the header if the URL parameter was 'MeetingID,' and the other displayed the header if the URL parameter was 'AppId.' This new 'Registration Header' web part works correctly for both parameters.
21	**Meeting Registration – Select Sessions – Improved Conflict management via user interface logic**	Select Session has improved 'Conflict Management' by applying logic to display conflicting sessions as radio buttons, and non-conflicting sessions are displayed as checkboxes. The primary focus of this UI change was to improve the user experience. Prior to this, all session selections were made by the same method – checkbox - so there were no visual cues to alert the user about which time slots required a choice between conflicting sessions and which did not. Conflict checking was only done as a validation after the user made selections, with an error message to indicate if the choices were invalid, but nothing to help the user avoid making invalid choices. Now, if the user must choose one session in a group of conflicting sessions, the radio buttons clearly signal to the user that they must select only one in the group. If sessions are in non-overlapping time slots with other sessions, they show with a checkbox. If certain sessions share a time slot but are configured in UX as not subject to conflict checking, the checkboxes clearly indicate that you can check as many as you like. This user interface change only applies if you configure the web part to group by date and time. If you don't list the sessions by timeslot, the radio buttons would not be grouped to show which sessions conflict with each other. Note that in MX 8.2, the same 'Sessions' web part is used for both single and group registrations, so this user interface applies in all kinds of registration scenarios that involve sessions.

Item	Module/Web Part	Description
22	**Meeting Registration – Guest Registration – Redesigned as Responsive form with Session Selection and Questions**	Guest Registration – a single responsive form replaces the big guests' grid, and the links for answering questions and adding sessions open responsive edit forms instead of pop-ups. Previously, the 'Guest Registration' was not responsive because it added guest information via pop-up windows and displayed guests in a wide grid. Now guests are added using a responsive form, and they are listed vertically using the same responsive user interface as the new 'Registration Summary' web part. Clicking on the links to answer questions and select guest sessions expands the height of the guest listing to include the optional input fields. The 'Select Sessions' form is the same as the 'Single – Select Sessions' web part for regular registrants. Note that it is essential that the meeting registration for Guest Registration must be set up in UX to be restricted, so you can identify specific sessions that a guest can register for. If Guest Registration is not restricted, the guest can be signed up for any session that a full registrant can select. Because of changes made in the 'Group Registration' process, it is also now possible to assign guests to group registrants as well as individual registrants. After selecting the registration level for each group member, the user can click a link for adding the same registration options that are presented for individual registrants, including guests. The guest registrations are inserted into the Shopping Cart item with their parent registrant in the Shopping Cart, so they are processed as part of the same registration invoice.

Item	Module/Web Part	Description
23	**Meeting Registration – Registration Summary**	'Registration Summary' has been redesigned for responsiveness, to replace the rigid grid layout that resisted display on a mobile device. The Summary initially displays the registrant's information and the total registration amount, and three hyperlinks: • An 'Edit' hyperlink, positioned at top right, as in the new My Registrations View/Edit display, allows the user to make changes in the registration before adding it to the cart. If the user clicks on it, they are returned to the first page of the registration. • The 'Details' hyperlink is clicked in order to view the registration and session line items that will be processed through the shopping cart. The default option to hide both types of details makes it easy to view the summary without excessive scrolling, and examine details on an as-needed basis. When the link is clicked, the web part's height expands without needing any pop-up. • A separate 'See questions' hyperlink is clicked in order to view the registrant's answers to registration questions. The two details links are toggles, allowing the user to expand or hide details/questions. In previous versions of MX, this same web part applied to both individual and group registration, but that is no longer true. Now, this 'Summary' web part only applies to individual registrations. There is a separate 'Registration Summary – Group' web part that serves as a launching point for adding registration options to each group registrant.

Item	Module/Web Part	Description
24	**Meeting Registration – Registration Summary Group web part allows all group registrants to have single options, including guests**	The Group Registration process has always been designed to allow the user to identify multiple registrants at once, and take them through the registration process altogether, from selecting a registration level, through badge, questions, sessions, and summary. In previous versions, the user interface was a grid, so each row could represent a registrant, and each registration option was entered via a pop-up window that opened from that grid. But this model proved problematic, as it prevented group registrations from being mobile-friendly, and any options that could not be processed through a grid, such as guest registrations, were not supported. In MX 8.2, Group Registration uses a grid only for identifying the registrants from a company roster, and for selecting their registrations. After that, the 'Registration Summary Group' web part displays a vertical list of registrants with a link next to each registrant that says 'Complete Registration - Badge and Sessions.' Clicking this link selects the corresponding group registrant, and opens a registration options page for that registrant only, including the standard web parts for 'Badge,' 'Questions,' 'Guests,' and 'Single Select Sessions.' Upon saving these options, the user is returned to the 'Registration Summary Group' web part, after the changes have been added to the applicable registration. The user can repeat the options for any other registrants for whom details can be entered. When done, they click a navigation button to go to the cart. All of the information displayed in the 'Registration Summary Group' web part is updated automatically in the cart. This means that if the user chooses not to add any optional selections, they can proceed immediately to payment, as preferred. This provides a shortcut for users who are registering a group long before preferences for the group members can be known. Because of this shortcut, a group registration can be processed in as little as three steps – identify registrants, select registration for each group member, and go to cart.

Item	Module/Web Part	Description
25	**Membership Application – New web part, displays Benefit, Rate, and Applicant on Every Page**	Application Header – This is a new web part that displays the benefit, rate, and applicant on every page of a membership application process, formatted as a page title. This application page header is especially valuable when there are several membership choices, so the user is certain they have selected the correct membership benefit and rate. This web part replaces the earlier workaround of displaying an MX Find for this purpose. Organizations that are upgrading MX Ready2Go to 8.2 will need to remove the top MX Find from application pages and add the 'Application Header' web part in its place. On the first membership page, for selection of 'Rates,' there were two MX Finds that need to be removed: the first displayed the header if the URL parameter was BenefitID, and the other displayed the header if the URL parameter was AppId. This new 'Application Header' web part works correctly for both parameters.
26	**Membership – Contributions and Secondary Benefits – Removed the need for checkbox selector**	Application Contributions and Secondary Benefits no longer require that the user click a checkbox before either entering a contribution amount or selecting a rate. In previous versions, the user needed to check a box next to a particular contribution in order to activate the input field for entering a contribution amount, and they also needed to check a box next to a particular subscription or secondary benefit in order to activate the dropdown field for selecting a rate. This represented an unnecessary extra click and a potential source of confusion to the user, so that has been eliminated. The user can now select a contribution simply by entering any non-zero amount in the applicable input field. In the 'Subscriptions/Secondary Benefits' web part, the user can select a rate directly from the dropdown associated with a benefit without first selecting it. Only benefits where the dropdown has been populated with a value will be added to the membership application.
27	**Membership Application – Primary and Additional Chapters**	The two Chapter selection web parts – 'Primary Chapter' and 'Additional Chapters' - have been redesigned to wrap correctly into a single column when displayed on a mobile device.
28	**Membership – Application Summary**	Application Summary has been redesigned as a responsive grid, so it can be displayed in a mobile device. The amount for each component of the application wraps under the description when displayed in the mobile screen, and the 'Edit' icon displays below.

Item	Module/Web Part	Description
29	**Promotional Packages Module – New**	The Promotion Packages module allows an online user to make a single purchase that automatically combines multiple transactions, according to the setup of the package in UX. Prior to MX R8.2, MX modules were designed to apply business and pricing logic for one transaction type at a time. For example, a registration could be set up to include packaged sessions, a package membership could have multiple additional benefits and fees grouped with the primary benefit, and a product kit could be comprised of multiple component products. But there was no way to bundle a membership with a registration or bundle multiple registrations together. Now Promotional Packages can be defined in UX to combine multiple transactions, including transactions in different modules, multiple registrations for one meeting, or registrations for multiple meetings, into a single unit or package. Promo codes can also be predefined and automatically bundled into the package to implement complex pricing rules. As of MX R8.2, the 'Package Processing' web part does not support setup for 'Advertising' or 'Exhibit' transactions, so a package cannot be published to the web if it contains those types of transactions A Sponsorship package is a type of Promotional Package where more than one package of transactions is defined within the same structure as 'Sponsorship Levels.' This option allows the Admin User to define different package variations. These are selected by amount ranges within the same setup, instead of creating different Packages for each variation. The online user can select a Sponsorship amount from a list of suggested giving levels, just like Fundraising. The package logic then automatically processes only the package of transactions that have been flagged for inclusion for that specific giving level amount. Some common uses of Promotional Packages include: • Sell registrations for a table for 8 or a table for 10, or a golf foursome. • The table is a package, not a registration. Sell registrations to multiple meetings as a single series, as with courses or a seminar series. • Set a discounted price for registering the group as a whole based on group size. • Set a custom price for the bundle of purchases by automatically assigning a promotion code that the end user doesn't need to know. • Package a membership with the registrations, so registrations are sold as an automatic benefit of membership.

<table>
<tr><th>Item</th><th>Module/Web Part</th><th>Description</th></tr>
<tr><td></td><td></td><td>In MX 8.2, support for Promotional Packages online consists of 3 steps:
‘Package Catalog’ web part allows the user to select a promotional package from a graphical image-rich catalog of applicable packages with a single click, viewing their choices in a context where the contents of each package are described.
‘Package Processing’ web part allows the user to assign placeholder contacts to registrations in the package and/or identify contacts as registrants. It also allows the user to add registration information such as badge name and address and answer registration questions.
‘Shopping Cart’ processes the package purchase in UX, splitting the package components into line items on a single invoice, and processing each line item according to the rules of its particular type of transaction.
‘My Registrations’ – ‘Transfer Registrants’ – after the package purchase has been completed, the purchaser can return to assign a contact to any registrants that have been left unassigned, as placeholder contacts. The purchaser can also transfer a registration after the fact from one assigned contact to another. See details under the ‘Contact - My Registrations’ web part.</td></tr>
<tr><td>30</td><td>Promotion Packages – Package Catalog – Display a list of Packages for the user to select</td><td>MX Package Catalog – The ‘Package Catalog’ web part allows a user to select a single package from a list of context-appropriate promotional packages. The web part can display either ‘Promotional Package’ and ‘Sponsorship Package’ types.
The ‘Promotional Package’ template displays each promotional package in a card template with name, image, and description, and optionally lists the packaged transactions. Alternatively, the web part can be configured to display only the package description, if verbiage is more appropriate than a list of components. The user selects one package or another by clicking the button at the bottom, which is the equivalent of ‘add to cart.’ This button navigates to the page with the MX ‘Package Processing’ web part.
Sponsorship Packages Template displays each sponsorship package with multiple radio buttons for the user to select a particular sponsorship level defined within that package, each identified by a different amount. The package of transactions that is processed in the cart will be different depending on the level selected by the user because each level has a particular number of package details assigned to it. The user clicks a radio button and then clicks the equivalent of ‘add to cart’ and navigates to the page with the MX ‘Package Processing’ web part.</td></tr>
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Item	Module/Web Part	Description
		This web part is basically a combination of a UX 'Advanced Find' and a control template, just like other e-commerce modules like the 'Product Catalog' and 'Contributions' form. This allows the web part to be inserted in such a way that it filters different lists and displays different package setup records, depending on the functional context. For example, a list of promotional packages can be placed on a meeting page to display only the ones that relate to the current meeting. To support the display and filtering of Promotion Packages in MX, a 'Web' tab has been added to the 'Promotion Package Setup' form in UX with fields to assign 'Package Web Category' and/or 'Package Grouping Name,' so 'Advanced Finds' can be created to display a subset of packages that belong to a particular category and/or grouping. The catalog will only include 'Promotions' when 'Publish to Web' = 'Yes.' The selection of which template to use for displaying the packages depends on whether they are defined as 'Sponsorship' or 'Promotion.' Web part configuration options include whether to display an image and whether to show or hide 'Package Detail' prices in the MX Shopping Cart.
31	**Promotion Packages – Package Processing Web Part**	MX Package Processing –This web part allows the user to assign contacts to as many of the packaged registrations as they want to at the time of purchase. By default, all registrations are assigned to a placeholder contact so names can be added later if desired. After the user has selected a Promotional Package, they are brought to the 'Package Processing' web part, which breaks out the Package components to their corresponding transactions. The display is different depending on the type of package that has been selected. The four options available in the Package Web Category are: • One event, multiple registrants • Multiple meetings, one registrant • Registration Context, membership included (displayed on a Meeting-specific page) • Membership Context, registration included (displayed on Join page)

Item	Module/Web Part	Description
		If a package contains one or more Meeting Registrations, The ‘Package Processing’ web part will display one row for each of the Registration line items. By default, the first registration is assigned to the user, and all of the additional registrations are assigned to a special 'Placeholder Contact' that is defined in the UX system. The user is offered the opportunity to assign a contact for each registration, which is done by typing a first or last name and then selecting from a dropdown list of possible matches or adding a new contact record. If the user does not choose to select a registrant, they can leave that registration with its placeholder, and assign a contact from the database at a later time using Transfer Registrant (from My Registrations). Membership and subscription transactions do not require assigning a contact, because memberships can only be purchased online for the user or the user’s parent. The Benefit setup of Contact or Account determines who to assign. For product sales, the customer is always the user. After assigning contacts, the user clicks ‘Save All – Next Step.’ At that point, the user can update the registration badge and questions for any transaction that is not left assigned to the Placeholder. This step is optional. When ready, the user clicks the Checkout button that adds the package components to the MX Shopping Cart and navigates to the cart. Once in the Shopping Cart, the details of the selected Promotional Package are always inseparable, and cannot be edited in the Shopping Cart. The user can go back to the ‘Package Processing’ web part to change registrant information. • Since the package consists of a predefined number of transactions, it is not possible to remove some items and add others. • Since the promotion code is predefined in the package, the user cannot add another promo code. Unlike the standard Shopping Cart processing in MX, where membership transactions are separated into their own invoice, and separate invoices are created for each member of a group registration, all of the transactions in the package are processed on the same invoice.

Item	Module/Web Part	Description
32	**Promotion Packages – Package Processing – Additional Options**	Additional Options – after assigning a contact to a packaged registration, you can optionally edit badge and questions for that registrant. Note that the user cannot add guests or sessions at this time because those are not part of the package, and the cart will process only packaged transactions. So at this point, the only registration options that can be processed with the package are the non-financial options. If any of the packaged registrations need to add guests and/or sessions, the current user or the assigned registrant should be instructed to go to My Registrations and select Edit registration, where virtually all types of registration additions are supported.
33	**Promotion Packages – Shopping Cart Processing of Packaged Items**	Shopping Cart processing of Package Items – The 'Shopping Cart' displays the whole 'Promotional Package' purchase as a single 'Shopping Cart' detail line. A hyperlink to 'View Details' expands the detail line to show all details, including contacts assigned to registrations. These line items cannot be edited directly in the cart – the user must click 'Edit' to return to the 'Package Processing' web part in order to make changes. The user also cannot apply promotion codes to a package, because the appropriate promo code is already assigned as part of the package itself. The 'Shopping Cart' processes the entire package purchase in UX, splitting the package components into invoice line items, and processing each line item according to the rules of its particular type of transaction. MX adds the whole package to a single invoice, with one invoice detail for the package itself, and additional invoice details for each of the packaged transactions. The purchase amount will be assigned completely to the package if it is a 'Sponsorship' type package. It can be distributed among the detail transactions for 'Promotional' type packages, depending on the setup of the package. Viewed from within UX, the promotional package invoice shows a line for the package as a whole, followed by individual line items that appear the same as if they had been entered separately. A qualified UX user can assign contacts in place of the placeholder contact using 'Transfer Registration' just as the MX user can from the 'My Registrations' web part.

Item	Module/Web Part	Description
34	**Security – Sign In builds MX functionality into DNN Sign In/ Sign Out**	DNN 'Sign In'/'Logout' now automatically invoke MX Security. Now all features of MX 'Sign In' and 'Logout' are automatically invoked when using the DNN sign in/logout links. Therefore, we do not need to add the dedicated MX 'Welcome' web part into a zone in the website header, and the footprint in the banner is much smaller. The DNN user controls for are found in a row above the Banner logo and Navigation Bar, at top right, with the 'Search' icon: • In 'Anonymous' mode: ▪ DNN 'Sign In' link navigates to the MX 'Sign In' page. The sign in that is executed is the MX 'Sign In' functionality, so the SSO user session and token cookie are automatically created. ▪ DNN 'Register' link navigates to the MX 'Create New User' page. ▪ 'Search' icon opens the DNN content search results page. • In 'Signed-in' mode: ▪ DNN 'User's Name' link navigates to 'My Profile' page. ▪ DNN Logout link navigates to the DNN site's automatic 'Sign Out' page. The logout that is executed is the MX Logout functionality, so the SSO user session and token cookie are automatically deleted. ▪ 'Search' icon opens the DNN content search results page.
35	**Security – Create New User Account- Enhanced layout for added fields with 2 columns and a seamless connection to OOTB fields**	The 'Create New user Account' layout is now laid out in a two-column form, instead of the previous layout that listed all fields in a single very wide column. Not only does this save space on the page, but it is also more intuitive at a glance. For instance, the prompts to enter e-mail and re-enter e-mail are on the same line, and enter password and re-enter password are also on the same line. When the web part is configured to display 'Middle Name' on the form, that extra field is inserted as a third column between 'First Name' and 'Last Name,' so all name fields are on the same line. If the web part is configured to display additional 'MX Form' fields, these rows are integrated seamlessly into the same form, following 'Company Identification.' These added fields can also now be configured in two columns, as in other contexts where 'MX Form' input fields are used. In previous versions, the configuration for 'Create New User' added fields could only specify the row, not left and right columns.

Item	Module/Web Part	Description
36	**Security – Sign in Pop-up is now Responsive and Reduced in size**	The 'Sign In' pop-up is now responsive, so it can be used on a mobile device. Previously, the sign-in pop-up was a full page, combining the complete 'Sign In' form with the complete 'Create New User' form. This made it too large and rigid to fit in any screen other than the full desktop. Now the 'Sign In' pop-up consists only of prompts for 'Username,' 'Password' and the 'Sign In' button. 'Create New User' and 'Sign In Help' can be accessed via hyperlinks in the form. The pop-up is responsive, and automatically fits itself within whatever size screen is available.
37	**Security – Sign Out – Automatic sign out for SSO with no Additional Button Click**	Automatic 'Sign Out' for SSO. Now a related site can redirect their sign out to the MX site's hidden 'Sign Out' page. The user is automatically logged out and returned to the originating page specified as 'returnurl.' If you do not include a returnurl, the 'Sign Out' page will return to the MX Site's home page. For SSO purposes from now on, partner websites should redirect logout to the following url (replace [mx.site.org] with your MX website and replace [external.site.org] with your SSO-enabled site): https://[mx.site.org]/Portals/_default/Skins/MXOnline/pages/SignOut.aspx?returnurl=[external.site.org] Previously, when a related site redirected their own sign out to the MX 'Sign Out' page to sign the user out of MX and delete the SSO session cookie, the user had to click an additional sign-out button to invoke the log out on that 'Sign Out' page. In addition, the return page was hard-coded, so multiple SSO partners needed to redirect to different sign out pages. The new streamlined functionality is related to the merging of MX security functionality with DNN security. If an external site invoked the DNN logoff control, it would log the user out of the DNN site, but it could not execute the SSO-specific functions of deleting the user session record and the PTAuth session cookie. Now, the log out that is executed via the DNN link includes the MX SSO functionality, so the user session and token cookie are automatically deleted without needing an extra click. A custom no-click logout has recently been made available to address this problem, but now it is built into the MX base product.

Item	Module/Web Part	Description
38	**Security – Automatic Token redirect for SSO when already Authenticated**	Automatic Token redirect for SSO is an automatic function of the Sign In web part if a related site redirects to the MX 'Sign In' page and the user is already logged in. When a user logs into an SSO-connected site for the first time, that site redirects to the MX 'Sign in' page so MX can create the user session and create a shared token that it sends back to the connected site to track that user session. Previously, if the user had already logged into the MX site, the MX 'Sign In' web part would generate an error when the redirect arrived because it couldn't sign in if the user was already signed in. In order to address this problem, we created custom code on an intermediary page to redirect to the 'Sign In' page only if the user was anonymous, and return with the token if the user had already signed-in. This workaround had limitations and could be bypassed inadvertently. Now, the ability to choose the appropriate action is an automatic function of the 'Sign In' web part. This includes sign in or redirect back to the related site with the token so that no intermediary page is needed. There is also a new 'Token Redirect' web part in the 'Security' module that performs this function as a standalone page, if needed.
39	**Shopping Cart – Go to Cart – Redesigned to reduce the footprint of Shopping Cart Icon in the site banner**	The 'Go to Cart' web part is a small icon that is placed in the navigation header of the website as a shortcut to navigate to the Cart from any point in the website. It combines the functionality of the 'Shopping Cart Summary' web part with the link to Shopping Cart that was part of the 'Welcome' web part. It has two modes: 'Icon' and 'Text.' • 'Icon' mode: In 'Icon' mode, the web part consists only of a shopping cart icon and a numeral indicating how many items have been added to the cart. When the user clicks this icon, the user is taken to the page where the 'Shopping Cart' web part has been placed. This mode is appropriate for insertion in the header of the site because it takes up so little space. • 'Text' mode: In 'Text' mode, this same web part displays text showing the number of items and the Order Total, and the link to navigate to the cart page is a hyperlink 'View My Cart.' This mode is appropriate for adding a summary of the cart contents from an e-commerce page like the product catalog, so the user can keep track of their selections on an ongoing basis.

Item	Module/Web Part	Description
40	**Shopping Cart – Redesigned with New 'Wizard' Step Process and Express Checkout**	The MX Shopping Cart has been completely redesigned to achieve full responsiveness and enhanced user experience. A new Step-by-Step Wizard and new address formatting replaces the big grid and pop-ups. The 'Shopping Cart' web part combines many functional components within a single web part. Previously, these components were displayed in 'View' mode, around a large central grid that divided transactions into multiple separate cart sections by transaction type. Addresses were editable via pop-up windows. The grid was too large for mobile devices, and the pop-up windows were not responsive. The user was invited to complete their checkout at any time, while validation error messages stopped them if they failed to enter required address information, without first having given them the prompt to enter that information. In order to improve the user experience, these multiple components are now arranged in a wizard-like process to prompt the user to take action one step at a time. Although the whole shopping cart experience takes place within a single web part and page, the user interface includes tab icons at the top of the form for each step, and 'Previous' and 'Next' buttons are at the bottom of the form, like the 'Global Navigation Tabs' and 'Global Navigation Bar' that are used in Registrations and Membership Application process pages. The first view of the cart shows the cart items and summary panel: • Review transactions that have been added to the cart, at a summary level. While each transaction is displayed and processed according to its transaction type, the line items are listed together in one group in the cart, removing the additional cart sections. Membership, meeting registration transactions, and promotional packages are compound transactions, where a single row may include both primary and secondary membership options, or both a meeting registration and multiple session registrations. These types of transactions include a hyperlink labeled 'See Details.' On clicking this link, the row expands to show all of the invoice line item details that are included in the transaction amount. These transactions also include the name of the membership applicant or registrant. The user can click on the 'Edit' icon next to each Shopping Cart item to return to the processing path that they took to add the transaction in the first place, or they can click on the 'Delete' icon to delete the Cart item entirely.

Item	Module/Web Part	Description
		• Clear Cart option. A hyperlink is now available at the top of the cart listing to remove all items if desired. In previous versions, this function was achieved by clicking a button that was grouped with promo codes and gift cards. • Apply promotion codes. The user has a clear input field for entering a promotion code to activate available discounts. The cart automatically validates the promo code and applies it to any cart items where it is valid. Now, when a promo code has been validated, it is displayed below the input field along with the amount of discount that it earned for the user. If the user enters more than one code, all the codes are listed together, so it is clear what discount amount was attributable to each valid code. • Enter gift cards. The same type of input field and display functionality applies to the entry of gift cards for partial or full payment. Each gift card is listed with the amount applied to the cart purchase. The next steps are for Addresses: • Addresses are listed in full for the user to select. Company addresses are listed with contact addresses, if applicable. The user needs only to click a button called 'Bill to this Address' or 'Ship to this Address' to select it. The user interface for adding and editing addresses is the same as the new 'Addresses' web part. If they add a new address or edit an existing address, the change will update the corresponding address in their contact addresses table. • Automatically skip the step for 'Shipping Address' if it is not applicable. The 'Shopping Cart' automatically determines if a shipping address is relevant, based on a combination of configuration preferences and the combination of items in the cart. By default, if there are no inventory products or products that are flagged as subject to freight charges, the 'Delivery' step for selecting 'Shipping Address' is skipped, and the assumption is that 'Shipping Address' is the same as 'Billing Address.'

Item	Module/Web Part	Description
		Then the user can submit payment. • Express Checkout. If there is no address information missing, the 'Shopping Cart' automatically displays an 'Express Checkout' button from the first step of the cart. That button goes directly to the 'Submit Payment' form, so the user does not have to go through address steps if they are not necessary to complete the purchase. Because it is only displayed if the default address information is complete, the user cannot prematurely check out and get an error message. • Submit payment via a credit card or select Bill Me to create an invoice in UX without adding a payment transaction. The selection of credit card or bill me is a toggle, so only the relevant fields are displayed. The credit card layout is multi-column, so related fields are grouped in the same row. • Review payment confirmation to verify satisfactory completion of the transaction. In the scenario where the shipping address step was skipped, the shipping address is now automatically hidden from the confirmation page and confirmation e-mail as well.
41	**Shopping Cart – Dues Renewal – Apply Promo codes to Dues Renewals in Cart**	Apply Promo codes in the cart to Renewals, in addition to other types of transactions. Previously, it was not possible to apply promo codes to renewal items in the cart, because the recalculation required to override the billed amount with the discounted amount would inadvertently cancel the invoice detail on the existing renewal invoice. Now, additional logic has been added to the cart that allows it to recalculate the renewal billing amount without interfering with the integrity of the original renewal invoice. The new logic distinguishes renewal process changes that the user intended to replace previously billed items, like a change in chapter or secondary benefits, from changes that are incorporated into the original billing item instead of replacing it, like a discounted price.

Item	Module/Web Part	Description
42	**Template for Ready2Go Site – Administrative Resources pages contain links to a library of reference materials**	Administrative Resources pages – The Ready2Go template site that is installed for all new MX implementations now includes a menu option that provides resources that are visible only to administrative users. This section provides an online help guide that includes the following: • MX Bootstrap style guide, including samples of classes and MX Find templates, to make it easy to lookup user interface components and incorporate changes as needed. • Instructional admin documentation, including a comprehensive list of MX Web Parts at a glance, configuration options for all web parts, and a guided tour of the new Ready2Go template site pre-settings.
43	**Template for Ready2Go Site – Data Driven Configurable Dashboards using new UX Navigation Panels entity**	'Navigation Panels' is a new entity that has been introduced into UX in order to support flexible website navigation in MX 8.2. This entity was created to support one or more Configurable Dashboards in the Ready2Go site. Each Navigation Panel record has fields for Name/Title, URL, image, description, and page. When displayed via MX Find in a predefined template, they provide an assortment of fully formatted and described panels that will take the user to any URL by clicking anywhere in the panel. In the Template Ready2Go site that is used for implementing new MX sites, the 'Home' page is populated with Navigation Panels using an MX Find, with the 'Advanced Find' called 'MX – Panels-Home-Page' and the base template called 'HomeNavigationPanel.' You can create as many 'Navigation Panel' records as you like, using a data entry form in the MX site that is found on a page in the 'Administrative Resources' menu. Each record represents one dashboard shortcut that you want to display, including configuration options for panel title, image, description, and URL. The option set field called 'page' allows you to assign a navigation panel record to a particular dashboard page. By creating multiple Advanced Finds on the Navigation Panels entity for each 'page,' you can filter the list of panels to show different dashboard shortcuts on different pages of the site.
44	**Template for Ready2Go Site – DNN 9.2 – the most Recent Version of DNN**	The Ready2Go site has been upgraded to DNN 9.2, and new DNN functionality is exploited in the site design. For example, if you change the name of a page, the URL automatically changes and DNN 9.2 automatically retains the old page name as an alias. Links to the old URL will not fail and will automatically redirect to the new page name.

Item	Module/Web Part	Description
45	**Template for Ready2Go Site – GDPR Compliance – Ribbon Alert at bottom of pages**	GDPR alert – A new configuration setting in the DNN 9.2 Portal settings of the Template site enables the site to display a ribbon at the bottom of the screen when the user comes to the site, alerting the user as to the use of cookies. This ribbon contains a link to the privacy policy page of the site, and it will automatically remain on every page of the site until the user clicks the 'close' link to accept the alert.
46	**Template for Ready2Go Site – Home Page Alert for 'Renew Now'**	Home Page Alert for Renew Now – A new alert automatically displays if the user has a renewal invoice that is pending and unpaid. The alert includes a link to the renewal page – 'My Membership' – so the user can immediately respond to the alert by renewing. This alert is implemented using MX Find on the Home page, using a predefined 'Advanced Find' called 'MX - Renewal Invoice is Due' and a base template called 'HomeRenewalDue.'
47	**Template for Ready2Go Site – Secondary Navigation Landing pages with enhanced features**	In the Ready2Go site, each Top level menu item now has a Landing Page for the corresponding module. The Module Landing page has its own distinctive layout that provides a full descriptive listing of Secondary Navigation menu options and a hero/background image to brand each module. The pages that are accessed via 'Secondary Navigation' menu options are identified by 'Name' icon and 'Page Description' as set up in the DNN page setup configuration. Module Landing pages can be formatted using a choice from a variety of sub-menu layouts and descriptions for each section of the site. Choose a display for each menu – a full-page vertical list, or horizontal tabs, or icons. All the setup required for defining the MX look and feel is performed via the DNN site architecture and settings options, working with variations in the predefined MX Skins.