



MPUG

2021

Widget CSS Customization

Getting the Right Look and Feel to Match your Website

Requirements

Life flourishes when needs are met!

Requirements

- ❖ Working knowledge of Shadow DOM
- ❖ Server Access / Website Access
- ❖ Widgets Access
- ❖ Working knowledge of CSS
- ❖ Working knowledge of HTML
- ❖ Browser
- ❖ Editor
- ❖ Patience

```
<!-- .entry-header -->
<div class="entry-content">
  ::before
  <p>
    <mpp-group-finder targeturl="/group-details
    tmpportalcomponents.blob.core.windows.net/cust
    #shadow-root (open) == $0
      <div>
        <link href="https://demo.ministryplatf
        "stylesheet" type="text/css">
        <div class="mppw-component-container">
          <div class="mppw-form-wrapper">
            <h1>Group Finder</h1>
            <form class="mppw-form mppw-form-v
            </div>
            <div id="emptyContainer"></div>
            <div class="resultsContainer mppw-ca
            <div id="viewMoreContainer"></div>
            </div>
          </div>
          <link rel="stylesheet" type="text/css" r
          tmpportalcomponents.blob.core.windows.net
        </mpp-group-finder>
      </p>
```

Update HTML For CSS

- ❖ Widgets can source the custom CSS file from just about anywhere that supports HTTPS
 - ❖ The Widget Server Content Folder
 - ❖ AWS / AZURE
 - ❖ Your Website
- ❖ All Widgets will Support the customcss attribute

```
▼<mpp-event-finder target="https://demo.ministryplatform.net/port  
1/event_detail.aspx" customcss="https://demo.ministryplatform.net  
idgets/content/democustom.css" signuptype="1">  
  ▼#shadow-root (open)  
    ▼<div>  
      <link href="https://demo.ministryplatform.net/widgets/Cont  
t/mppw-widgetstyles.css" rel="stylesheet" type="text/css">  
    ▼<div class="mppw-component-container">  
      ▼<div class="mppw-form-wrapper">  
        <h1>Event Finder</h1>  
        ▼<form class="mppw-form mppw-form-validate" id="searchF  
m">  
          <input type="hidden" id="event" name="eventId" class  
earch-option">  
          <input type="hidden" id="program" name="programId"  
class="search-option">  
          ▶<div class="mppw-form-field mppw-form-field__static-  
tainer">...</div>  
          ▶<div class="mppw-form-field mppw-form-field__static-  
tainer">...</div>  
          ▶<div class="mppw-right">...</div> == $0  
          ▶<div id="advancedSearchSection" style="display: none  
</div>  
          ▶<div class="mppw-centered">...</div>  
        </form>  
      </div>  
      <div id="emptyContainer"></div>  
      ▶<div class="resultsContainer mppw-card--grid" id="result
```

You need to be using Widgets

- ❖ This probably goes without saying, but you have already setup Widgets
- ❖ For a QUICKSTART – Visit the KB

Quick Start for Widgets

video

Widgets can be added to a website with very little coding knowledge. But Widgets **probably need to work closely with your web staff/team/vendor to successfully** website ecosystem.

Ready to start using Widgets?!?

You can configure Widgets on your website by completing these steps on Shared Configuration. The steps for configuring each specific Widget (code snippet and attributes).

Excited to see it in action? We've got you covered! Just skip ahead and watch the [Adding Widgets](#) video back and read all about it.

Steps to Setup Shared Configuration

1. Set Permitted URLs

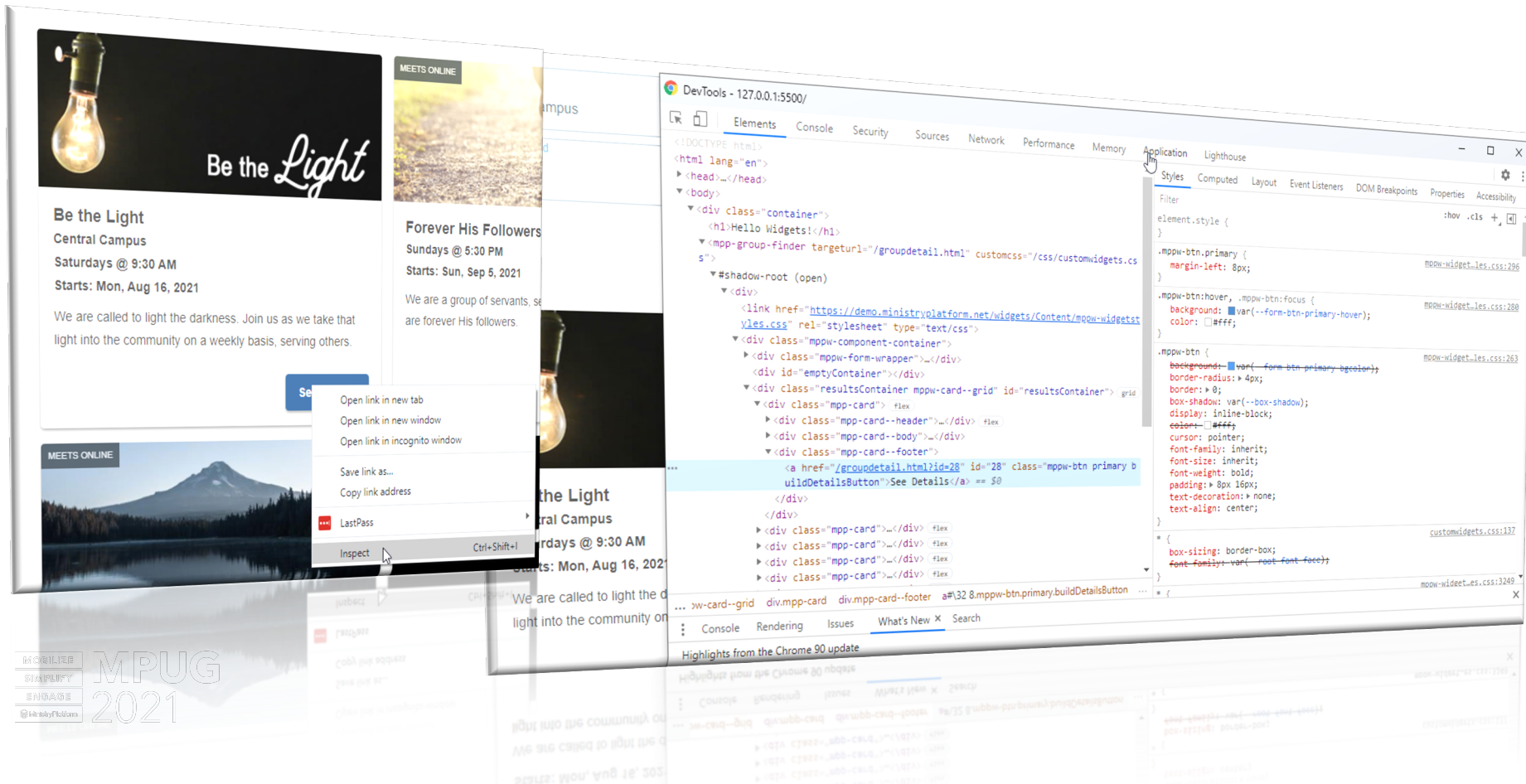
Any website where a Widget is placed must be included in your "permitted URLs" list. See [Permitted URLs](#) for more details.

Looking for more details? See [Enabling Widgets](#) for an in-depth description.

2. Enable Widgets on Your Website

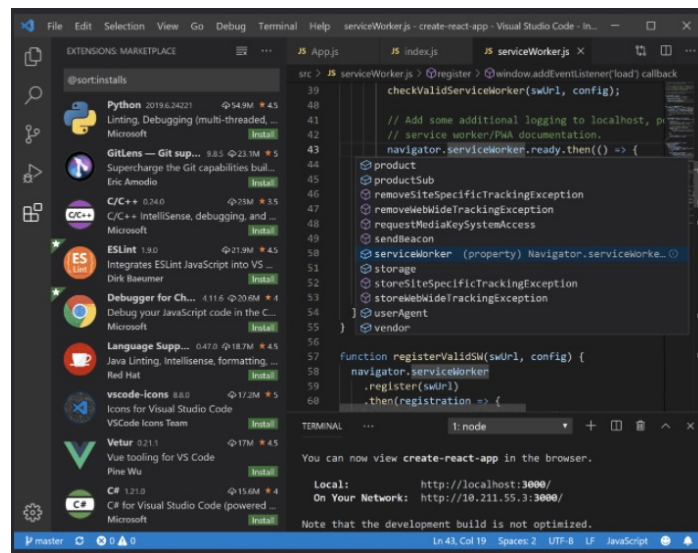
All widgets are powered by a shared script that needs to be added to any page where you want to use them.

Get to Know the Element Inspector



Pick an Editor

- ❖ All of today's demos are being done via Visual Studio Code [FREE]
- ❖ By using the [Live Server] addon you can see real time changes by simply saving files



<https://code.visualstudio.com/>

Shadow DOM

What makes a widget a Web Component

Shadow Root

- ❖ Shadow DOM allows hidden DOM trees to be attached to elements in the regular DOM tree.
- ❖ A Shadow DOM can have its own Styles, and Life-Cycle Events outside the parent or HOST DOM.

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            <div class="resultsContainer mppw-ca
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            </div>
          </div>
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        </mpp-group-finder>
      </p>
```

Customize Time

Lets do this!

It's ONLY CSS

- ❖ Don't be afraid to open our CSS file and review it.
- ❖ Anything we have styled, you can further style

```
/*-----*/
/* LAYOUT */
/*-----*/
.mppw-centered {
    text-align: center;
}

.mppw-right {
    text-align: right;
}

.mppw-left {
    text-align: left;
}

.mppw-row {
    display: flex;
    flex-wrap: wrap;
    justify-content: space-between;
    margin: 0;
    padding: 0;
}

.mppw-col {
    flex: 0 1 calc(100% - 1em);
    margin-bottom: .3rem;
    position: relative;
}

.mppw-col-item {
    background-color: var(--card-bgcolor);
    display: flex;
    flex-direction: column;
}

.hidden {
    display: none !important;
}



MOBILIZE



SIMPLIFY



ENGAGE



MinistryPlatform



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/*-----*/
.mppw-map-item {
    height: 300px;
}
```

[https:// \[Your MP Server\] /widgets/Content/mppw-widgetstyles.css](https://[Your MP Server]/widgets/Content/mppw-widgetstyles.css)

Other Options

If this went all the way over your head!

Partners can HELP



Examples


```

/*-----*/
/* CSS Color Variables */
/*-----*/
:host {
  --root-text-color: #565656;
  --root-font-size: 14px;
  --root-line-height: 24px;
  --primary: #2196f3;
  --secondary: #88a0af;
  --form-field-bgcolor: #f9f9f9;
  --form-field-border: #b4c5cf;
  --form-field-border--active: #2196f3;
  --form-valid: #42bc34;
  --form-invalid: #dc3545;
  --form-btn-primary-text: #fff;
  --form-btn-primary-bgcolor: #4a95ec;
  --form-btn-primary-hover: #4684ca;
  --form-btn-primary-active: #4273aa;
  --form-btn-secondary-text: #384249;
  --form-btn-secondary-bgcolor: #fff;
  --form-btn-secondary-hover: #f6f7f9;
  --form-btn-secondary-active: #ededed;
  --form-btn-disabled: #657783;
  --card-bgcolor: #fff;
  --card-title-color: #696969;
  --card-header-bgcolor: #6c757d;
  --card-body-text-color: #6c757d;
  --card-body-text-size: 12px;
  --card-body-text-weight: 400;
  --card-body-text-rgba: rgba(0, 0, 0, 0.35);
  --card-body-text-color: #1b88b0;
  --card-body-text-color: #000;
  --root-font-face: 'Helvetica Neue', Helvetica, Arial, sans-serif;
}

```

The Basics

- ❖ Most Colors can be rapidly tweaked by focusing on the variables defined in the CSS starter file
- ❖ Fonts, Colors, Hover States, etc should be easily customized in one easy stop

Card Layouts

- ❖ Many of you will want to change your card layouts so that the image is always 100% visible
- ❖ A simple CSS change makes this possible



Hiding Elements

- ❖ Sometimes you may wish to hide elements

2nd and 4th Weeks on Saturdays @ 9

We are called to light the darkness. Join us as we

Starts: Mon, Aug 16, 2021

Group Leader(s):



Callen,
Jessie

Location: Central Campus

2nd and 4th Weeks on Saturdays

We are called to light the darkness. Join us

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Breakpoints

- ❖ In some advanced scenarios you might want to further control some styles based on screen sizes
- ❖ Widgets is based on 3-4 primary css breakpoints, but all 6 in use are accessible and customizable.

```
/*-----*/
/* Example 3: Breakpoints */
/*-----*/

/*-----*/
/* Responsive Modifier for < 416px */
/*-----*/
@media only screen and (max-width: 415px) {
}

/*-----*/
/* Responsive Modifier for < 700px */
/*-----*/
@media screen and (max-width: 699px) {
}

/*-----*/
/* Responsive Modifier for > 700px */
/*-----*/
@media screen and (min-width: 700px) {
}

/*-----*/
/* Responsive Modifier for < 768px */
/*-----*/
@media only screen and (max-width: 768px) {
}

/*-----*/
/* Responsive Modifier for > 1024px */
/*-----*/
@media screen and (min-width: 1024px) {
}

/*-----*/
/* Responsive Modifier for > 1600px */
/*-----*/
@media only screen and (min-width: 1600px) {
}
```

Questions and Answers

Well....I hope there are answers....



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