

# Tutorial - Full Page Preferences Editor (with Preview)



This tutorial has not yet been re-written to reflect the recent refactoring of the Preferences Framework. Stay tuned...



This tutorial applies to **v1.4** of UI Options.  
For earlier versions, see  
[Tutorial - UI Options and UI Enhancer](#).

## Error rendering macro 'excerpt-include'

No link could be created for '\_UIO and UIE overview'.



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The **Full Page With Preview** version of UI Options displays the interface controls in a separate page and includes a Preview pane that is updated automatically as the user adjusts the controls. This tutorial will walk you through the process of setting up the full page with preview version of UI Options.

NOTE that the UI Options component is pretty much useless without the [UI Enhancer](#) added to the pages of your site, so we highly recommend you visit the [UI Enhancer tutorial](#) to learn how to add the UI Enhancer to the pages of your site.

This tutorial assumes that:

- you are already familiar with HTML, Javascript and CSS,
- you are familiar with what the [UI Options](#) and [UI Enhancer](#) are and do, and
- now you just want to know how to add them to your application.

## See Also

[Tutorial - Page Enhancer](#)

[Tutorial - Full Page UI Options](#)

[Tutorial - Fat Panel UI Options](#)

[Working With A Preferences Editor On Your Site](#)

[UI Options Instructional Demos](#)

[Full Page UI Options \(with Preview\)](#)

## Scenario

You're putting together a website that you know will have a diverse audience. You'd like to allow your visitors to customize the presentation of the site to their individual needs, such as enlarging the text, or increasing the visual contrast. This tutorial will show you how create a page for the Infusion [UI Options](#) component.

These are the basic steps to create a UI Options page for your site:

- [Step 1: Prepare your page](#)
- [Step 2: Add dependencies to the page](#)
- [Step 3: Write a script to create the UI Options component](#)
- [Step 4: Prepare the Preview template](#)
- [One last thing!](#)

The rest of this tutorial will explain each of these steps in detail.

## Step 1: Prepare your page

The UI Options component includes templates for its user interface, so you do not need to actually create any HTML if you're happy with the defaults. For the full-page (with preview) version of UI Options, all you need to do is create an HTML page that has:

- one identifiable `<div>` where the UI Options markup will be inserted
- a `<div>` where the Table of Contents will be displayed (UI Options allows users to request a table of contents be displayed on each page; see the [UI Enhancer tutorial](#) for more information about this).

You might also choose to add a heading to the page. This all might look as shown below:

```

<body>
  <!-- This div should be placed where the Table of Contents is to be displayed -->
  <div class="flc-toc-tocContainer"> </div>

  <h1>Customize Your Presentation Settings</h1>

  <!-- This is the div that will contain the UI Options component -->
  <div id="myUIOptions"> </div>

</body>

```

Note that we've put an ID on the `<div>`. This ID will be used to tell UI Options exactly which element to use as the main container for all of its markup. You can use any kind of CSS-based selector (e.g. a classname), so long as you are sure it will uniquely identify one and only one element.

If you open this page in your browser, you'll only see the header, since UI Options isn't present on the page yet:

? Unknown Attachment

## Step 2: Add dependencies to the page

UI Options depends upon [Fluid Skinning System \(FSS\)](#) and the Infusion Framework, so you will need to add to your pages dependencies for

- the FSS CSS files,
- the UI Options own CSS files, and
- the main Infusion JavaScript file, `infusion_custom.js`.

In the header of your file, link to the FSS CSS files with `<link>` tags (you may have to adjust the paths to reflect where you've saved the Infusion package).

```

<!-- Required CSS files -->
<link rel="stylesheet" type="text/css" href="lib/infusion/framework/fss/css/fss-layout.css" />
<link rel="stylesheet" type="text/css" href="lib/infusion/framework/fss/css/fss-text.css" />
<link rel="stylesheet" type="text/css" href="lib/infusion/framework/preferences/css/fss/fss-theme-bw-prefsEditor.css" />
<link rel="stylesheet" type="text/css" href="lib/infusion/framework/preferences/css/fss/fss-theme-wb-prefsEditor.css" />
<link rel="stylesheet" type="text/css" href="lib/infusion/framework/preferences/css/fss/fss-theme-by-prefsEditor.css" />
<link rel="stylesheet" type="text/css" href="lib/infusion/framework/preferences/css/fss/fss-theme-yb-prefsEditor.css" />
<link rel="stylesheet" type="text/css" href="lib/infusion/framework/preferences/css/fss/fss-theme-lgdg-prefsEditor.css" />
<link rel="stylesheet" type="text/css" href="lib/infusion/framework/preferences/css/fss/fss-theme-dglg-prefsEditor.css" />
<link rel="stylesheet" type="text/css" href="lib/infusion/framework/preferences/css/fss/fss-text-prefsEditor.css" />
<link rel="stylesheet" type="text/css" href="lib/infusion/lib/jquery/ui/css/fl-theme-by/by.css" />
<link rel="stylesheet" type="text/css" href="lib/infusion/lib/jquery/ui/css/fl-theme-yb/yb.css" />
<link rel="stylesheet" type="text/css" href="lib/infusion/lib/jquery/ui/css/fl-theme-bw/bw.css" />
<link rel="stylesheet" type="text/css" href="lib/infusion/lib/jquery/ui/css/fl-theme-wb/wb.css" />
<link rel="stylesheet" type="text/css" href="lib/infusion/lib/jquery/ui/css/fl-theme-lgdg/lgdg.css" />
<link rel="stylesheet" type="text/css" href="lib/infusion/lib/jquery/ui/css/fl-theme-dglg/dglg.css" />

```

- Note: The theme "dark-grey on light-grey" is planned for a future release. Therefore `css/fl-theme-dglg/dglg.css` is currently optional.

You'll also need the UI Options CSS files specific to the Full Page UI Options with the Preview:

```

<link rel="stylesheet" type="text/css" href="components/uiOptions/css/UIOptions.css" />
<link rel="stylesheet" type="text/css" href="components/uiOptions/css/FullUIOptions.css" />
<link rel="stylesheet" type="text/css" href="components/uiOptions/css/FullPreviewUIOptions.css" />

```

We'll use the `<script>` tag to link to the Infusion library:

```
<!-- The Infusion Library -->
<script type="text/javascript" src="lib/infusion/infusion-custom.js"></script>
```

Note that the `infusion-custom.js` file is a concatenation of all of the required JavaScript files and will be minified (i.e. all of the whitespace removed) if you've built the minified version. If so, it might be difficult to debug with. If you want to be able to debug the code, you might want to choose the "source" version when you create your Infusion bundle.

### Step 3: Write a script to create the UI Options component

The simplest way to add the UI Options component to your page is using a `<script>` tag near the top of the page. We suggest placing it right before the UI Options markup created in [Step 1](#).

```
<body>
  <script type="text/javascript">
    // All of our code will go here
  </script>

  <!-- UI Options mark-up here -->

  <!-- the rest of your page here -->
</body>
```

**Finally**, we instantiate the UI Options component itself. We do this by calling the creator function, which takes two arguments:

1. the selector of the container for the component, and
2. an options object for configuring the component.

The selector for our UI Options will be the ID of the `<div>` we created in [Step 1](#).

We will use the options to tell the component about two things:

- where it's living in relation to the HTML templates included in Infusion: the `prefix` option
- where to redirect when the Cancel button is pressed: an `onCancel` listener in the `uiOptions` subcomponent

```
<script type="text/javascript">
  // Instantiate the UI Enhancer component, specifying the table of contents' template URL
  fluid.pageEnhancer({
    tocTemplate: "<path to your copy of Infusion>/components/tableOfContents/html/TableOfContents.html"
  });

  // Instantiate the UI Options component
  fluid.uiOptions.fullPreview("#myUIOptions", {
    // Tell UIOptions where to find all the templates, relative to this file
    prefix: "<path to your copy of Infusion>/components/uiOptions/html/",

    // Tell UIOptions where to redirect to if the user cancels the operation
    uiOptions: {
      options: {
        listeners: {
          onCancel: function(){
            window.location = "<the URL of the page to return to>";
          }
        }
      }
    }
  });
</script>
```

Now, when you load your page in your browser, you will see the UI Options controls, but there will be no Preview yet. UI Options will work: If you adjust the controls and click "Save and Apply," your changes *will* be applied to the page. There's just no Preview.

## Customize Your Presentation Settings

---

### Text and display

TEXT SIZE A  times

TEXT STYLE Default ▾

LINE SPACING ≡  times

COLOUR & CONTRAST DEFAULT ▾

---

### Layout and navigation

SHOW TABLE OF CONTENTS  
Adds a table of contents to the top of the page

---

### Links and buttons

EMPHASIZE LINKS  
Makes links larger, bold, and underlined

MAKE INPUTS LARGER  
Makes buttons, drop-down menus, text-fields, and other inputs larger

### Preview your changes

#### File not found

Firefox can't find the file at /users /dev/site /UIOptionsPreview.htr

- Check the file name for capitalization or other typing errors.
- Check to see if the file was moved, renamed or deleted.

## Step 4: Prepare the Preview template

UI Options does not come with a default Preview template – you must provide your own. Your users will be best served if the preview looks somewhat like your site.

The simplest way to use the Preview is through UI Options' default behaviour. Name your Preview template file as follows:

```
UIOptionPreview.html
```

and place it in the same folder as your main UI Options HTML file. If you follow this convention, UI Options will automatically find your Preview template.

The Preview template file will be loaded into an `<iframe>`, so it must be a fully valid HTML file, with a header that includes any require CSS, etc. It will be displayed in the right half of the screen, so you may wish to design something that is not overly complex. Your preview should be styled the same as your site, using the same theme (see the [UI Enhancer tutorial](#) for more information). Other than that, your preview can contain whatever you like.

## Enhancing the Preview

A UI Enhancer will automatically be applied to the page in the preview `<iframe>`, so as described in the [UI Enhancer tutorial](#), you need to tell that Enhancer about the theme name and the path to the Table of Contents template:

```

<script type="text/javascript">
  // Instantiate the UI Enhancer component, specifying the table of contents' template URL
  fluid.pageEnhancer({
    tocTemplate: "<path to your copy of Infusion>/components/tableOfContents/html/TableOfContents.html"
  });

  // Instantiate the UI Options component
  fluid.uiOptions.fullPreview("#myUIOptions", {
    // Tell UIOptions where to find all the templates, relative to this file
    prefix: "<path to your copy of Infusion>/components/uiOptions/html/",

    // Tell UIOptions where to redirect to if the user cancels the operation
    uiOptions: {
      options: {
        listeners: {
          onCancel: function(){
            window.location = "<the URL of the page to return to>";
          }
        }
      }
    },

    previewEnhancer: {
      options: {
        // Tell the Preview's UI Enhancer where the Table of Contents template is
        tocTemplate: "../../components/tableOfContents/html/TableOfContents.html",

        // and the name of the default theme
        classnameMap: {
          theme: {
            "default": "uio-demo-theme"
          }
        }
      }
    },
  });
</script>

```

Now when you load the page, you'll see your Preview template visible in the right half of the screen:

## Customize Your Presentation Settings

### A Text and display

TEXT SIZE  A 1 times

TEXT STYLE

LINE SPACING  ≡ 1 times

COLOUR & CONTRAST

### B Layout and navigation

- SHOW TABLE OF CONTENTS  
Adds a table of contents to the top of the page


### C Links and buttons

- EMPHASIZE LINKS  
Makes links larger, bold, and underlined
- MAKE INPUTS LARGER  
Makes buttons, drop-down menus, text-fields, and other inputs larger

## Preview your changes

### Web Pages

A **web page** or **webpage** is a *resource of information* that is suitable for the World Wide Web and can be accessed through a web browser. This information is usually in HTML or XHTML format, and may provide navigation to other web pages via hypertext links.



### Color, typography, illustration and interaction

[Web pages](#) usually include instructions as to the colors of text and backgrounds and very often also contain links to images and sometimes other media to be included in the final view.

### Elements of a webpage

- Textual
  - [content with a textual representaion](#)

**SAVE AND APPLY**     

### Congratulations!

UI Options is now fully functional on your page. As you adjust the controls, your changes will be applied to the Preview. When you click "Save and Apply," your changes will be applied to the page.

## One last thing!

Don't forget to add a link to the the UI Options page to your site – somewhere easy-to-find, such as your site's header or footer.