

# Delivery Document

## Code Validation

I have used the w3c online check tool based on CSS3 to exam my all CSS file. It seems no syntax error already. But, if the check tool is based on CSS2.1, the system will arouse many errors because CSS3 adds so many new features.

The result come from HTML Thor has a little bit problem, like the following screenshots:

It told me that my HTML files all have the same syntax error. However, even the website itself also uses this way to add a small icon to the browser tab. Thus, it could be a bug of this app.

The screenshot displays the 'Your Results' section of the HTML Thor validation tool. It shows four categories: Syntax (5 errors), Semantic (0 errors), Deprecated (0 errors), and Best Practice (20 errors). Below this, a table lists five HTML files, each with 1 Syntax error, 0 Semantic errors, 0 Deprecated errors, and 4 Best Practice errors. The error for all files is related to the 'article\_content\_4.html' file. A message states: 'Gee, this code needs a clean up - get to work!'. Under 'Syntax Errors', a dropdown menu shows 'article\_content\_4.html'. The error details for Line 6, Column 35 are shown: 'This link tag does not have rel and/or type attributes. Make sure it looks like <link href='style.css' rel='stylesheet' type='text/css' />'. The specific error is highlighted in a red box: '6. <link href="img/logo/logo.ico" rel="shortcut icon">'. The error message indicates that the link tag is missing the 'rel' and 'type' attributes, which are required for the browser to correctly identify the icon as a stylesheet.

File	Syntax	Semantic	Deprecated	Best Practice
article_content_4.h...	1	0	0	4
article_content_2.h...	1	0	0	4
article_content_5.h...	1	0	0	4
article_content_3.h...	1	0	0	4
article_content_1.h...	1	0	0	4

Gee, this code needs a clean up - get to work!

**Syntax Errors**

article\_content\_4.html ▼

Line 6, Column 35 -

This link tag does not have rel and/or type attributes. Make sure it looks like <link href='style.css' rel='stylesheet' type='text/css' />

6. <link href="img/logo/logo.ico" rel="shortcut icon">

The other problem aroused by HTML Thor is about <select> tag. In new W3C HTML5 document, the selected attribute is not defined as a Boolean, but “selected” or empty string (<http://www.w3.org/TR/html-markup/option.html> ). Therefore, it is a mistake of HTML Thor.

❶ **selected** = "selected" or "" (empty string) or empty #  
Specifies that this **option** is pre-selected.

## Your Results

<b>Syntax</b> 3	<b>Semantic</b> 0	<b>Deprecated</b> 0	<b>Best Practice</b> 4
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Oops! You've got a few critters in here you'll have to clean up!

### Syntax Errors

Line 6, Column 35 -

This link tag does not have rel and/or type attributes. Make sure it looks like <link href='style.css' rel='stylesheet' type='text/css' />

6. <link href="img/logo/logo.ico" rel="shortcut icon">

Line 75, Column 58 -

The selected attribute is a boolean attribute. That means simply by setting it, you are assigning a value to it. So no need explicitly assign a value. Please delete your = and value.

75. <option value="email" selected="selected">Email</option>

Line 93, Column 62 -

The selected attribute is a boolean attribute. That means simply by setting it, you are assigning a value to it. So no need explicitly assign a value. Please delete your = and value.

93. <option value="afternoon" selected="selected">Afternoon</option>

## JavaScript Implement

In this delivery, we code 4 small JavaScript programs for this website and put them in suitable places.

They are:

1. **Hero Slides** for the Index page.
2. Three **Form Validation** for “Join Us” page, Footer, and Register pop-up form.
3. **Pop-up form** for register form in “project-detail” pages.
4. **Back-to-Top** function in article content pages

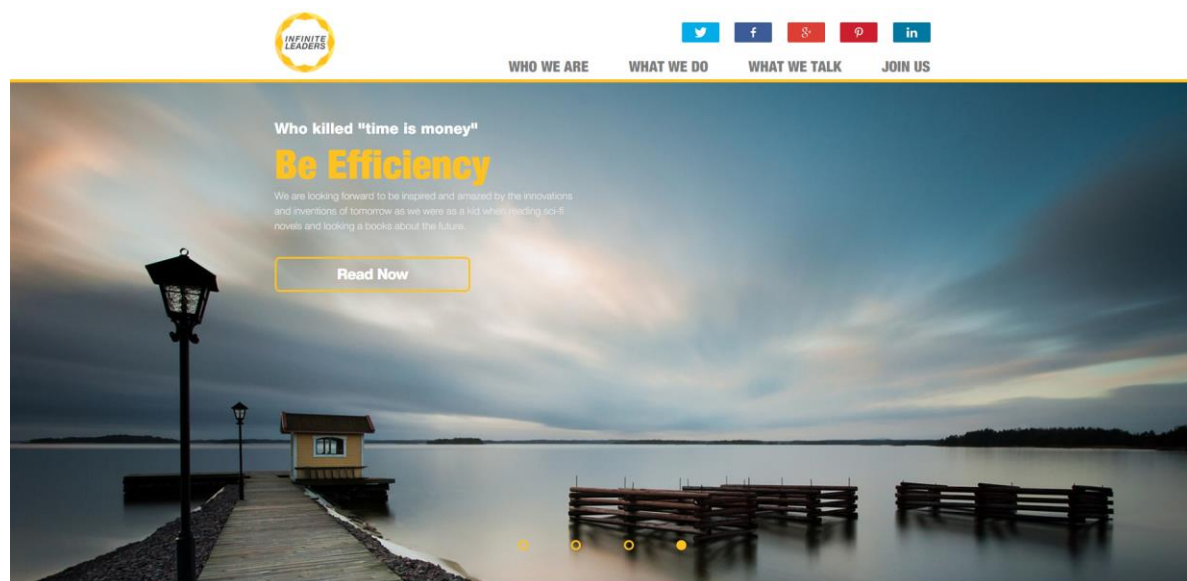
You can find these programs at following files:

- **Hero Slides** is put in *hero-slides.js*;
- Three **Form Validations** are separately installed in two independent files: *validation\_joinus.js*, *validation\_footer.js* and *register\_form.js*. One is prepared for Join Us page, another one is for the footer of all pages, and the last one is for register form;
- **Pop-up form** is put in *register\_form.js*;
- The code of **Back-to-Top** can be found at the end of *validation\_footer.js*.

## Hero Slides

This is the main picture display area of the website. It looks like the following screenshot. Basically, it contains two parts. Firstly, the Hero pictures can change automatically every 5s by fading out and fading in. These four yellow circles are the pointer to show how many pictures are rotating and which one is displaying (filled circle), and, at the same time, it is clickable. When you click one of them, it can take you to that picture.

This functionality is very common in a modern website. And this is good for giving a general idea what this organization is and what they do. Also, this is an important place to attract visitors’ attention and tell them what we are doing and will do. That is the main reason I choose it.

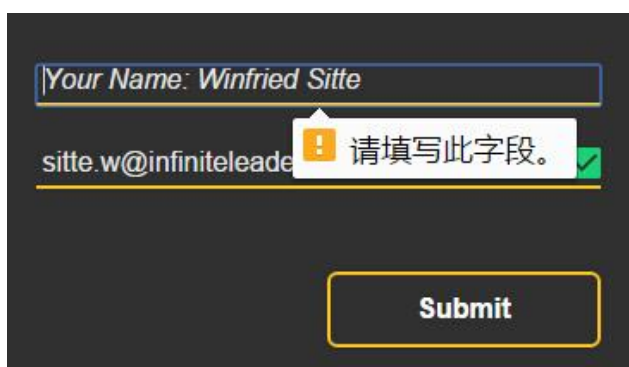


## Form Validation

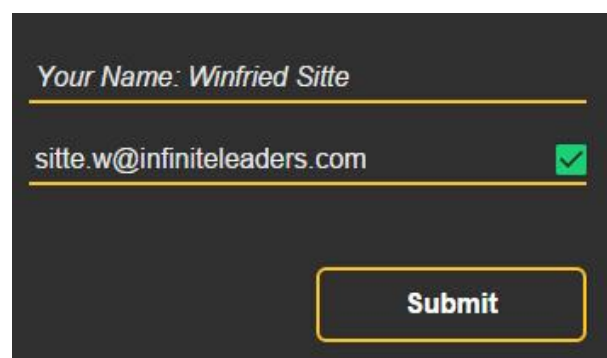
This one is a common function utilized by website to assist users input the valid information. And the system also can get the right information. So, it is a good way to improve user experience.

One of the interesting things is that the input tag has a “required” attribute in HTML5, which calls the browser to help to check that this field has been filled in. That means that we don’t need to write a specific function to make users fill in all required fields.

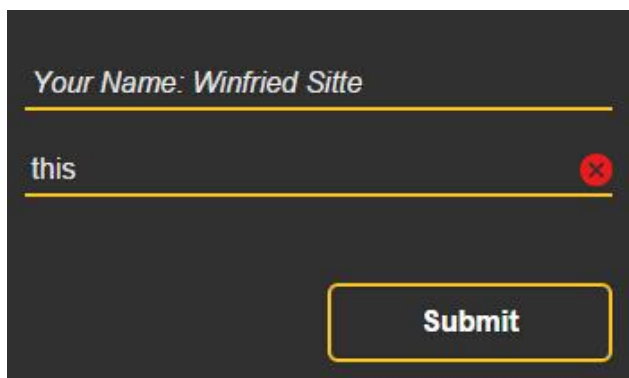
In this JavaScript program, if the information filled by the user is invalid. It will arouse an error icon at the end of this input to tell users your input is invalid. On the contrary, a right icon will be displayed.



A screenshot of a form on a dark background. The first input field is labeled "Your Name: Winfried Sitte" and contains the text "sitte.w@infiniteleade". A tooltip with a yellow warning icon and the Chinese text "请填写此字段。" (Please fill in this field.) points to the end of the input. A green checkmark icon is visible at the end of the input field. Below the input field is a yellow "Submit" button.



A screenshot of a form on a dark background. The first input field is labeled "Your Name: Winfried Sitte" and contains the text "sitte.w@infiniteleaders.com". A green checkmark icon is visible at the end of the input field. Below the input field is a yellow "Submit" button.



A screenshot of a form on a dark background. The first input field is labeled "Your Name: Winfried Sitte" and contains the text "this". A red "X" icon is visible at the end of the input field. Below the input field is a yellow "Submit" button.

## Pop-up Register Form

According to our design document, we think the pop-up register form is acceptable. Because jumping to another page to fill in a form is not convenient for users. It increases the number of operation steps. In our implementation, after clicking “Register” button at the end of each “project-detail” pages, a gentle and fluent animation will be provided for users to display register form. Thus, this function decreases unnecessary page-jumping and offers a good interaction.

**Please Submit Enquiry** ✕

*This is an application of **Infinite Leaders** Program. After you submit this form, our partner will contact you directly in your preferred time.*

Your Name: Winfried Sitte

Your Company

Your Occupation

Your Preferred Contact: Email ▼

E-mail: sitte.w@infiniteleaders.com

Your Preferred Time: Afternoon ▼

**Submit**

Google+ Twitter

Your Name: Winfried S

## Back-to-Top

This is a pretty small program, which just has three lines code. But, it is a useful function for visitors. In content pages, some articles are really long and make their pages are long, too. When people browse this kind of pages, if they read all the contents, they have to scroll up a lot to return to the top of the page. In order to solve this problem, we set up a small fixed yellow button in the bottom-right, people can click here to return to the top of the page quickly. Therefore, it is a small but fancy functionality.



Instead, the most evident change has been the increased use of re-chargeable batteries, their reduced size, and their capacity to provide a lot more power. But overall our power sources and industry has changed little, and not until the early 2000;s when the increasing smog problems in large cities due to coal-power toxic gas and CO2 pollution did serious investment in solar and other clean energy sources begin to contest the dominance of fossil-fuels in a meaningful way. So far the argument for not burning fossil origin fuels has been centered on the emission problem, and to a lesser degree on the extraordinarily damaging extraction.

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localhost:63342/.../article\_content\_1.html

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