



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA



**Online  
Learning**

# Cascading Style Sheet (CSS) Part 1

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# What is CSS?

- **CSS stands for Cascading Style Sheets**
- **Styles define how to display HTML elements**
- **Styles are normally stored in Style Sheets**
- **Styles were added to HTML 4.0 to solve a problem**
  - **Can apply to multiple sites**
- **External Style Sheets can save you a lot of work**
- **External Style Sheets are stored in CSS files**
- **Multiple style definitions will cascade into one**

# What is CSS?

- **Cascading Order**
  - What style will be used when there is more than one style specified for an HTML element?
  - Generally speaking we can say that all the styles will "cascade" into a new "virtual" style sheet by the following rules, where number four has the highest priority:
    1. Browser default
    2. External style sheet
    3. Internal style sheet (inside the <head> tag)
    4. Inline style (inside an HTML element)
  - So, an inline style (inside an HTML element) has the highest priority, which means that it will override a style declared inside the <head> tag, in an external style sheet, or in a browser (a default value).

# Why CSS?

- To separate presentation from content
- Without CSS: content and presentation are combined

Content  
+  
Presentation

*Example:*

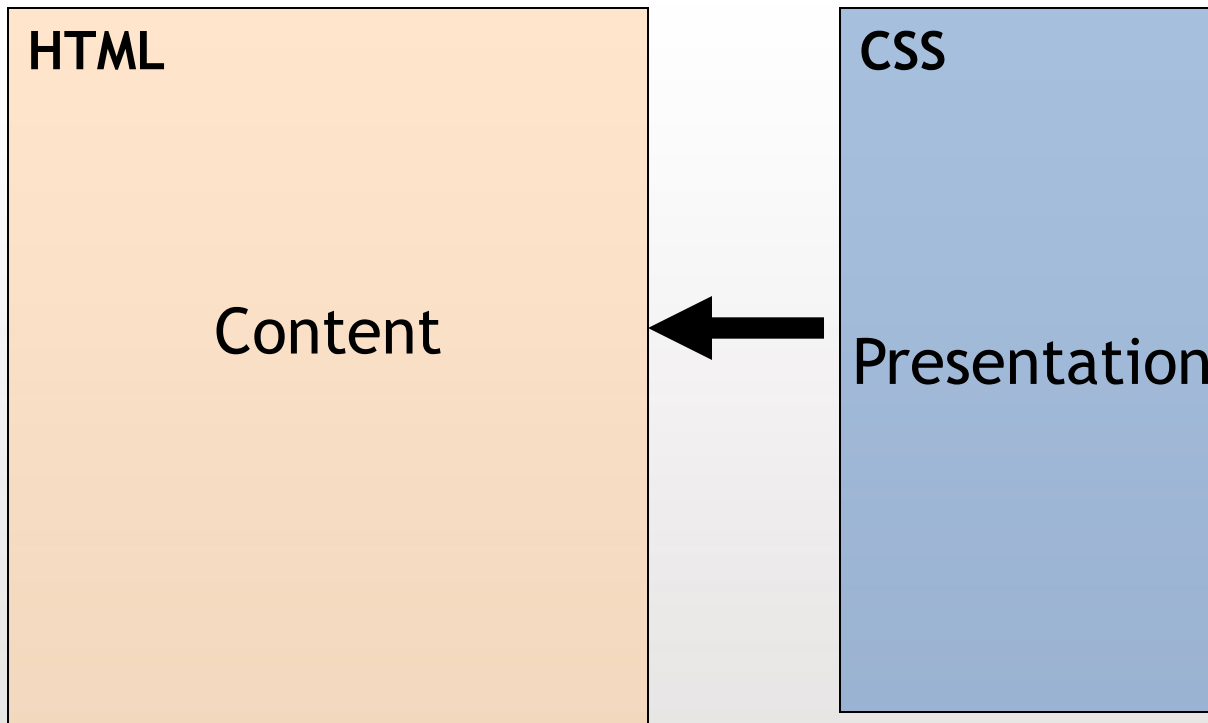
```
<font color="red">  
  Welcome to the world  
    of CSS  
</font>
```

Code for  
Presentation

Content

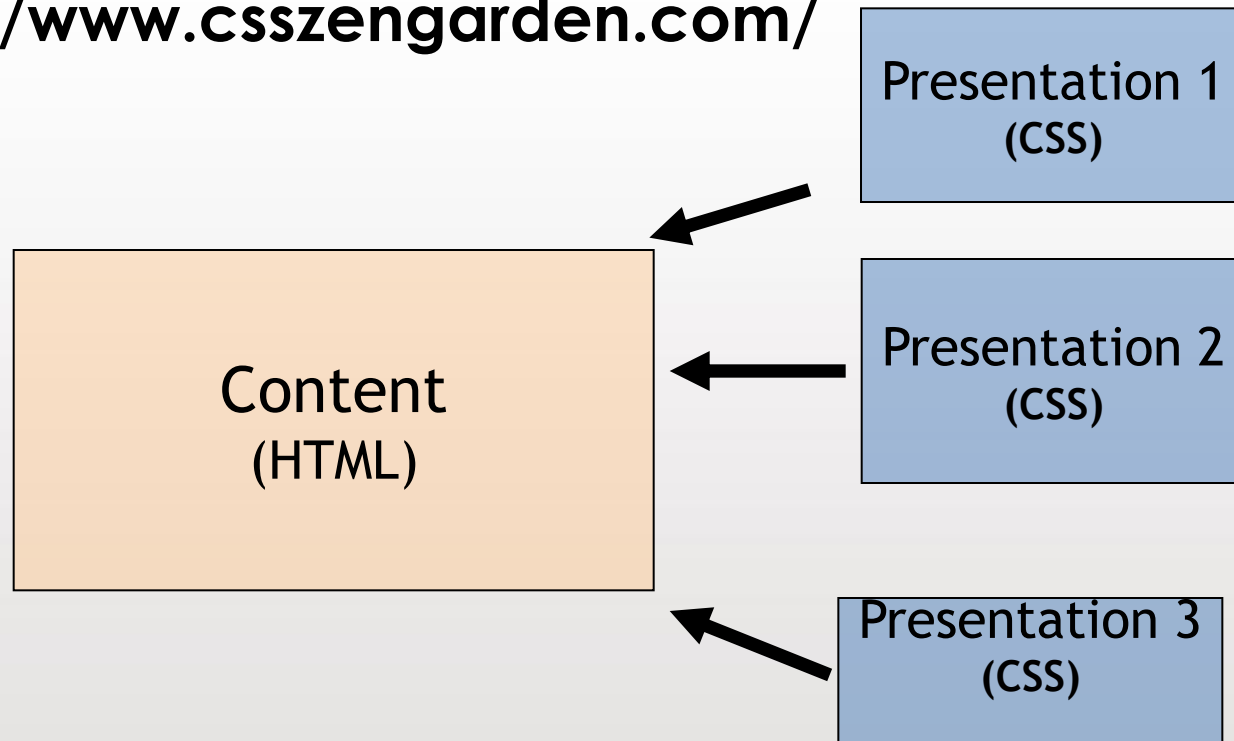
# Why CSS?

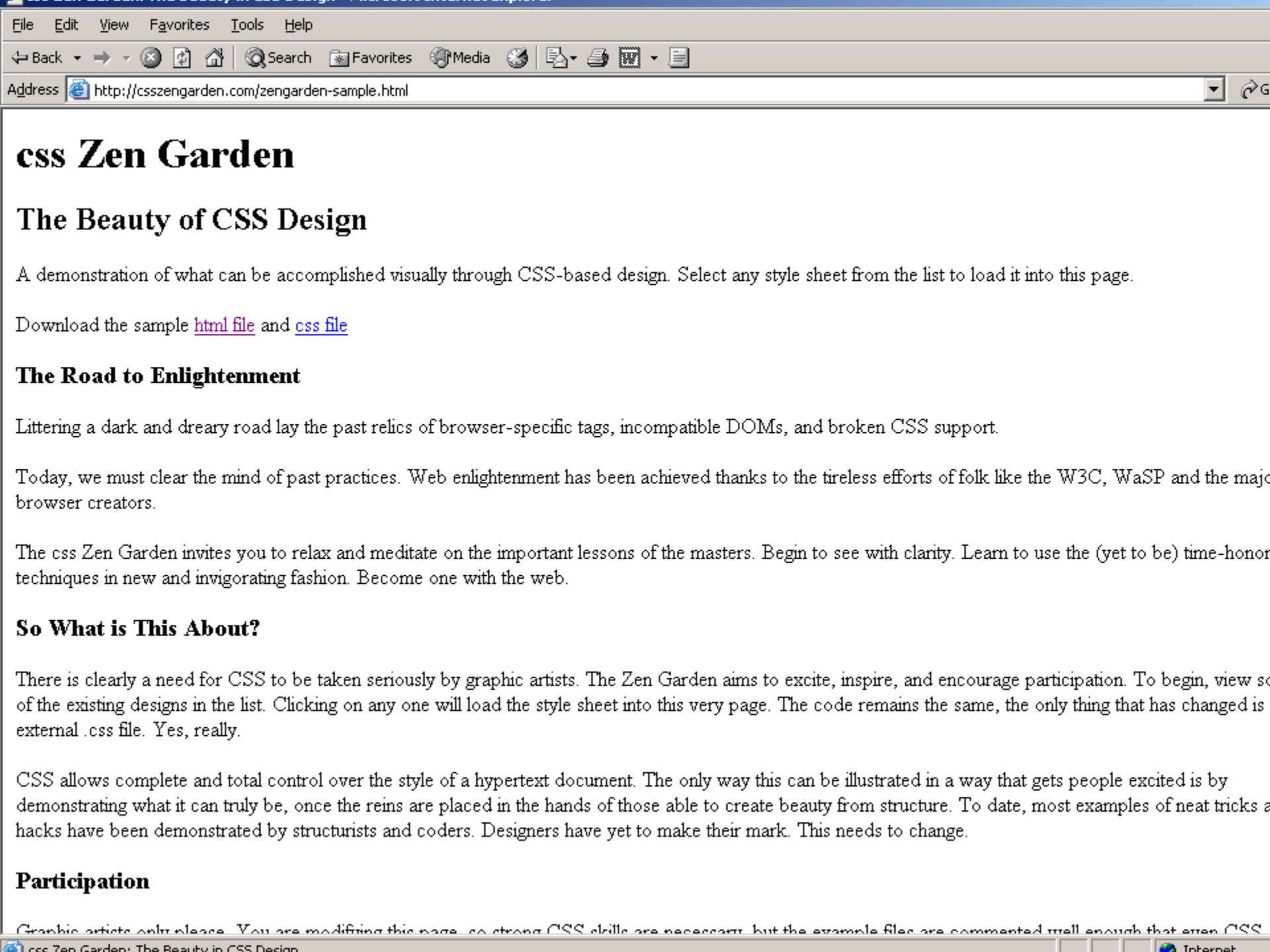
- With CSS: content and presentation are separated



# Why CSS?

- By using CSS, the same content can be presented in different appearances
- <http://www.csszengarden.com/>





# css Zen Garden

## The Beauty of CSS Design

A demonstration of what can be accomplished visually through CSS-based design. Select any style sheet from the list to load it into this page.

Download the sample [html file](#) and [css file](#)

## The Road to Enlightenment

Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible DOMs, and broken CSS support.

Today, we must clear the mind of past practices. Web enlightenment has been achieved thanks to the tireless efforts of folk like the W3C, WaSP and the major browser creators.

The css Zen Garden invites you to relax and meditate on the important lessons of the masters. Begin to see with clarity. Learn to use the (yet to be) time-honored techniques in new and invigorating fashion. Become one with the web.

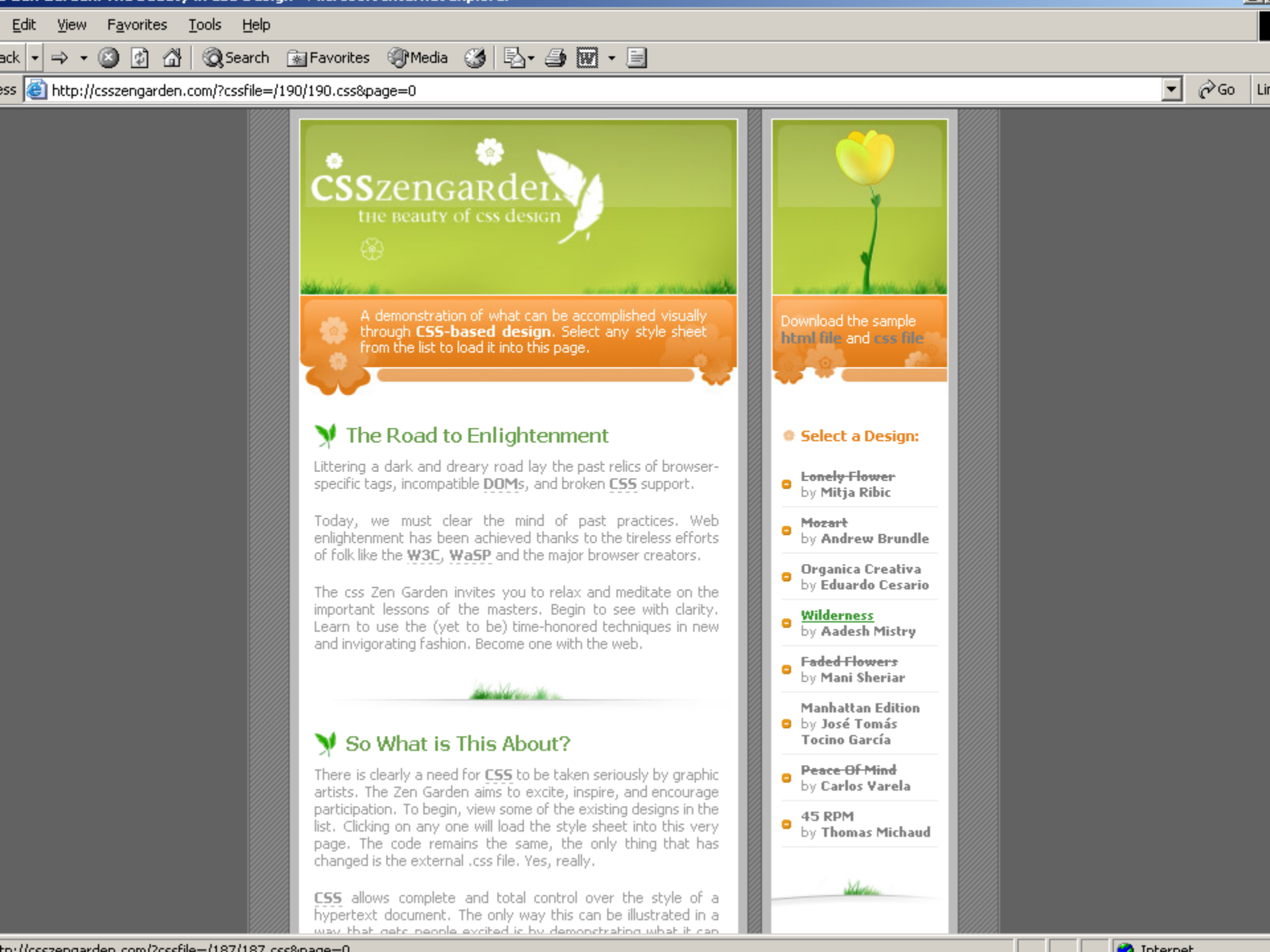
## So What is This About?

There is clearly a need for CSS to be taken seriously by graphic artists. The Zen Garden aims to excite, inspire, and encourage participation. To begin, view some of the existing designs in the list. Clicking on any one will load the style sheet into this very page. The code remains the same, the only thing that has changed is the external .css file. Yes, really.

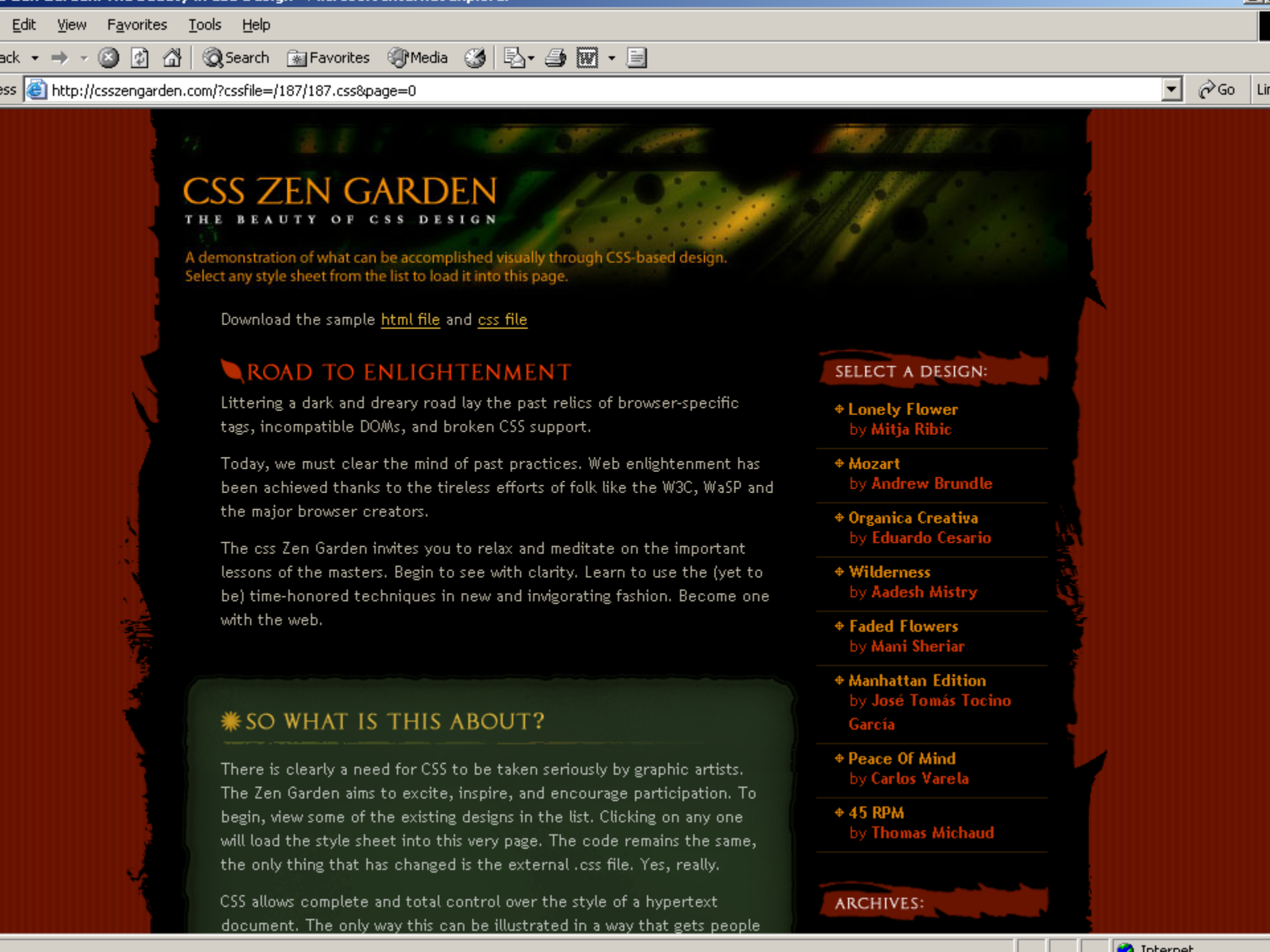
CSS allows complete and total control over the style of a hypertext document. The only way this can be illustrated in a way that gets people excited is by demonstrating what it can truly be, once the reins are placed in the hands of those able to create beauty from structure. To date, most examples of neat tricks and hacks have been demonstrated by structurists and coders. Designers have yet to make their mark. This needs to change.

## Participation

Graphic artists only, please. You are modifying this page, so strong CSS skills are necessary, but the example files are commented well enough that even CSS







# CSS ZEN GARDEN

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### SELECT A DESIGN:

◆ **Lonely Flower**  
by **Mitja Ribic**

◆ **Mozart**  
by **Andrew Brundle**

◆ **Organica Creativa**  
by **Eduardo Cesario**

◆ **Wilderness**  
by **Aadesh Mistry**

◆ **Faded Flowers**  
by **Mani Sheriar**

◆ **Manhattan Edition**  
by **José Tomás Tocino  
Garcia**

◆ **Peace Of Mind**  
by **Carlos Varela**

◆ **45 RPM**  
by **Thomas Michaud**

### ARCHIVES:



# classic 45's CSS zen garden! the beauty of css design

A Demonstration of what can be accomplished visually through css-based design...

Select any style sheet from the list to load it into this page!

DOWNLOAD THE SAMPLE HTML FILE AND CSS FILE

## The Road to Enlightenment

Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible **DOMs**, and broken **CSS** support.

Today, we must clear the mind of past practices. Web enlightenment has been achieved thanks to the tireless efforts of folk like the **W3C**, **WaSP** and the major browser creators.

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## So What's This About?

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## Current Hits

Lonely Flower by [Mitja Ribic](#)

Mozart by [Andrew Brundle](#)

Organica Creativa by [Eduardo Cesario](#)

Wilderness by [Aadesh Mistry](#)

Faded Flowers by [Mani Sheriar](#)

Manhattan Edition by [José Tomás Tocino García](#)

Peace Of Mind by [Carlos Varela](#)

45 RPM by [Thomas Michaud](#)

## Golden Oldies

[next designs »](#)

[View All Designs](#)

[Recent](#)

# Why CSS?

- To standardize the coding style
- In HTML, different objects have different styles of coding or different property for the same presentation settings.

## Example:

*Setting the color of table borders and text are different*

```
<table border="1" bordercolor="red">
```

```
..... • •
```

```
</table>
```

```
<font color="red">
```

```
..... • •
```

```
</font>
```

# Why CSS?

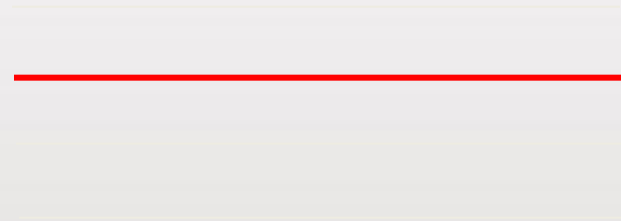
An HTML tag has limited attributes

*Example:*

What HTML CAN do


What HTML CAN'T do

*Setting borders individually*



# Why CSS?

What HTML CAN do

Help

<enter your name>

What HTML CAN'T do

*Putting icon on a button*

 Help

*Setting colors, font, etc of form elements*

Help

<enter your name>

# Cascading Stylesheet

## Activity 01

# Anatomy of Style

- *External/Linked Stylesheet*
  - An external style sheet is nothing more than a text file containing all your CSS rules
  - As in Activity 01

# Anatomy of Style

- *Internal/Embedded Stylesheets* - a collection of styles that's part of the Web page's code, using `<style>` tag, located between `<head>` tag

```
<style type="text/css">
h1 {
    color: #FF7643;
    font-face: Arial;
}
p {
    color: red;
    font-size: 1.5em;
}
</style>
</head>
<body>

/* The rest of your page follows...*/
```



# Anatomy of Style

- *Internal/Embedded Stylesheets* – continue
  - The <style> tag is HTML, not CSS. But its job is to tell the Web browser that the information contained within the tags is CSS code and not HTML
  - Activity 2

# Anatomy of Style

- *Inline Stylesheets*
  - Typing the CSS rule directly into the HTML tag
    - `<h1 style="color: red;">`
    - `<p style="color: sienna; margin-left: 20px">`
  - Inline styles offer none of the time-and bandwidth-saving benefits of style sheets, so the pros hardly ever use them
  - Last option when have to edit a single CSS rule without wanting to edit the whole CSS stylesheet
  - [Activity 03](#)
  - [Activity 04 – Tutorial3a](#)

# THANK YOU