

## WELCOME

#### **FULLSTACK WEB DEVELOPMENT**



Wi-fi: CA-Guest pw: happyLife

# LESSON 02

# **CSS BASICS**



# What we will cover

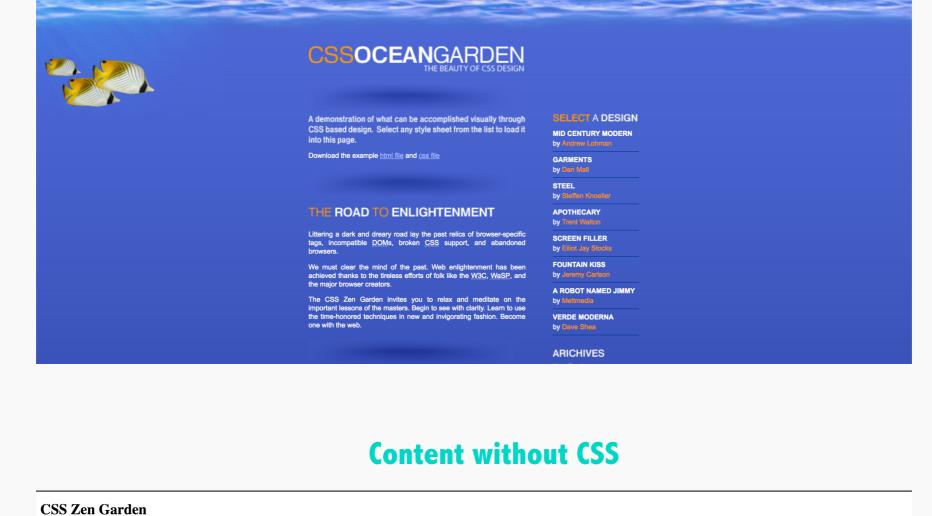
- **Understanding CSS**
- **CSS Selectors**
- **CSS Box Model**
- **Display and Positioning**
- **Backgrounds**
- **Media Queries**
- **Text effects**
- Web fonts & svgs **Animation & Transition**
- **CSS** values and units
- **CSS** specificty
- **CSS** inheritance
- **CSS Grid & Flexbox tutorial**
- **Less & Sass**
- **Responsive Design**



### **CSS**

- Stands for Cascading Style Sheets
- It's a stylesheet language
- HTML dictates order and structure css define how we display html elements CSS separates structure from presentation
- Styles are normally stored in stylesheets

**Content with CSS** 



#### A demonstration of what can be accomplished through CSS-based design. Select any style sheet from the list to load it into this page. Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible DOMs, broken CSS support, and abandoned browsers.

We must clear the mind of the past. 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 time-honored techniques in new and invigorating fashion. Become one with the So What is This About? There is a continuing need to show the power of CSS. 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 HTML 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. Designers and coders alike have contributed to the beauty of the web; we can always push it further. Participation Strong visual design has always been our focus. You are modifying this page, so strong CSS skills are necessary too, but the example files are commented well enough that even CSS novices can use them as starting points. Please see the CSS Resource Guide for advanced tutorials and tips on working with CSS. You may modify the style sheet in any way you wish, but not the HTML. This may seem daunting at first if you've never worked this way before, but follow the listed links to learn more, and use the sample files as a guide. Download the sample <u>HTML</u> and <u>CSS</u> to work on a copy locally. Once you have completed your masterpiece (and please, don't submit half-finished work) upload your <u>CSS</u> file to a web server under your control. <u>Send us a link</u> to an archive of that file and all associated assets, and if we choose to use it we will download it and place it on our server. Benefits Five ways we can add css on an html page

# 3. Add inline styles to html elements

4. Import a stylesheet file

1. Link to an external stylesheet file

5. Inject css with javascript

2. Embed CSS with a style tag

The Beauty of CSS Design

Download the example html file and css file

The Road to Enlightenment

**Box Model** 

#### The CSS box model is essentially a box that wraps around HTML elements, and it consists of: margins, borders, padding, and the actual content.

The box model allows us to add border around elements and to define space b/n elements.

Any HTML element can be considered a box, and so the box model applies to all HTML elements.

