

# Week 1 Lecture 1

Applied

# Getting Ready

- Install Ruby
- Install Rails
- Install Git
- Install FireFox 4 & FireBug

# What's in this lecture?

- Introduction to HTML (Hypertext Markup Language), CSS (Cascading Style Sheets), JavaScript

# Using Firebug

- Today: **HTML, CSS, DOM Tab**
- Later: Net Tab, Cookies, Console

# HTML

```
<html>
```

```
<head><title>My First Page</title></head>
```

```
<body>
```

```
<h1>Hello There!</h1>
```

```
<p>This is normal text</p>
```

```
</body>
```

```
</html>
```

# Links and Images

```
<html>
<head><title>My First Page</title></head>
<body>

<h1>Hello There!</h1>
<p>Go to
<a href="http://www.google.com/">the Google home page</a>.</p>
</body>
</html>
```

# CSS

```
<html>
<head>
  <title>My First Page</title>
  <style type="text/css">
    h1 { text-align: center; font-size: 72px; }
    img { border: 1px solid red; }
  </style>
</head>
<body>
  
  <h1>Hello There!</h1>
  <p>Go to
  <a href="http://www.google.com/">the Google home page</a>.</p>
</body>
</html>
```

# CSS Grid I

```
<html>
<head>
  <title>My First Page</title>
  <link rel="stylesheet" type="text/css" href="http://
cssgrid.net/css/1140.css" />
  <link rel="stylesheet" type="text/css" href="http://
cssgrid.net/css/style.css" />
  <style type="text/css">
    body { font-family: Arial; font-size: 18pt;}
  </style>
</head>
<body>
  ...
</body>
</html>
```



# CSS Grid 2

```
<body>
  <div class="container header">
    <div class="row">
      <div class="logo">
        
      </div>
    </div>
  </div>
  <div class="container intro">
    <div class="row">
      <p>This is an introduction.</p>
    </div>
  </div>
  ...
```

# CSS Grid 3

```
...
<div class="container columns">
  <div class="row">
    <div class="onecol"> 01 </div>
    <div class="onecol"> 02 </div>
    ...
    <div class="onecol"> 13 </div>
    <div class="onecol last"> 14 </div>
  </div>
</div>
<div class="container footer">
  <div class="row">
    <p>&copy; 2011. All Rights Reserved.</p>
  </div>
</div>
</body>
</html>
```

# JavaScript Functions

```
<html><body>
<script type="text/javascript">
function showAlert() {
    alert("This is an alert! the time is " + new Date());
}
</script>

<p>Click the logo to show the alert</p>
</body></html>
```

# Resources

- <http://www.w3.org/MarkUp/Guide/>
- <http://www.w3.org/MarkUp/Guide/Advanced>
- <http://www.w3.org/Style/Examples/011/firstcss>
- <http://cssgrid.net>
- <https://developer.mozilla.org/en/JavaScript>

# Exercises

- Use standard rails app skeleton
- In public directory, create a web page for yourself
- Include several pages: resume, about, code, links
- Add some images and styles to make it unique