Python training - lab 19

Forms

```
<form action='target_page' method='post'>
    <input type='text' name='thename'
        value='initial val' />
    <input type='text' name='email' />
    <textarea name='message'>
        Introduce the message
    </textarea>
    <input type='submit' value='Send' />
    <input type='reset' value='Reset' />
    <input type='button' value='Button' />
</form>
```

Form action

GET vs POST

- GET
  - page?param1=val1&param2=val2
  - No sending of sensitive data
  - Small data volume

- POST
  - Sending sensitive data
  - Higher quantities of data
  - File uploads

Form elements

```
<input type='text' name='firstname' value='Popescu' />

<input type='password' name='passwd' />

<input type="radio" name="place" value="first" checked>One
<input type="radio" name="place" value="second">Two
<input type="radio" name="place" value="third">Three

<input type="checkbox" name="place" value="first" />One
<input type="checkbox" name="place" value="second" />Two
<input type="checkbox" name="place" value="third" />Three
```

Form elements

```html
<select name="place">
    <option value="first">One</option>
    <option value="second" selected>Two</option>
    <option value="third">Three</option>
</select>

<select name="place" multiple>
    <option value="first">One</option>
    <option value="second" selected>Two</option>
    <option value="third">Three</option>
</select>

<textarea name="message" rows="20" cols="35">
</textarea>
```

Buttons

```
<input
    type='submit' name='Name' value='Send' />

<input type='reset' value='Reset' />

<input
    type='button' value='Custom'
    onclick='alert("Heloo!")' />
```

CSS - Cascading Style Sheets

```
<div style="
    width: 100px;
    height: 30%;
    padding: 10px;
    font-size: 14px;
    font-family: arial;
    font-style: italic;
    font-weight: bold;
    color: red;
    background-color: yellow;
    border: 2px dashed blue
    ">Some text</div>

<div>other text </div>
```

Embedding CSS

```
<style>
    div {
        width: 100px;
        height: 30%;
        padding: 10px;
        /* comment */
        ...
    }
    p {
        font-size: 12px;
    }
</style>

<link rel="stylesheet" href="css/style.css" />
```

CSS selectors

CSS	HTML
* { font-weight: bold;}	everything
p { font-weight: bold;}	\<p\> text \</p\>
.someClass { color: red;}	\<div class="someClass"\> text \</div\>
#someID { color: red;}	\<div id="someID"\> text \</div\>
span.someClass {}	\<span class="someClass"\>\</span\> \<div class="someClass"\>\</div\>
div, span.someClass {}	\<div\>\</div\> \<span class="someClass"\>\</span\> \<span\>\</span\> \<p\>\</p\>

CSS selectors

CSS	HTML
div a {}	`<div><p><a href="" /></p></div>` `<span><a href="" /></span>`
table#users td.admins a, H1 img, p {}	`<table id="users">` `<tr><td class="admins"><a href="#" /></td></tr>` `</table>`
div > span {font-size: 12px}	`<div><span></span><span></span></div>` `<p><span></span></p>`
div:first-child {font-size: 12px}	`<div><span></span><span></span></div>`

Selector priorities

```
<style>
    * { color: yellow; }
    div { color: red; }
    #someID { color: green; }
    .someClass { color: blue; }
</style>

<div id="someID" class="someClass" style="color: orange">
Some text
</div>
```
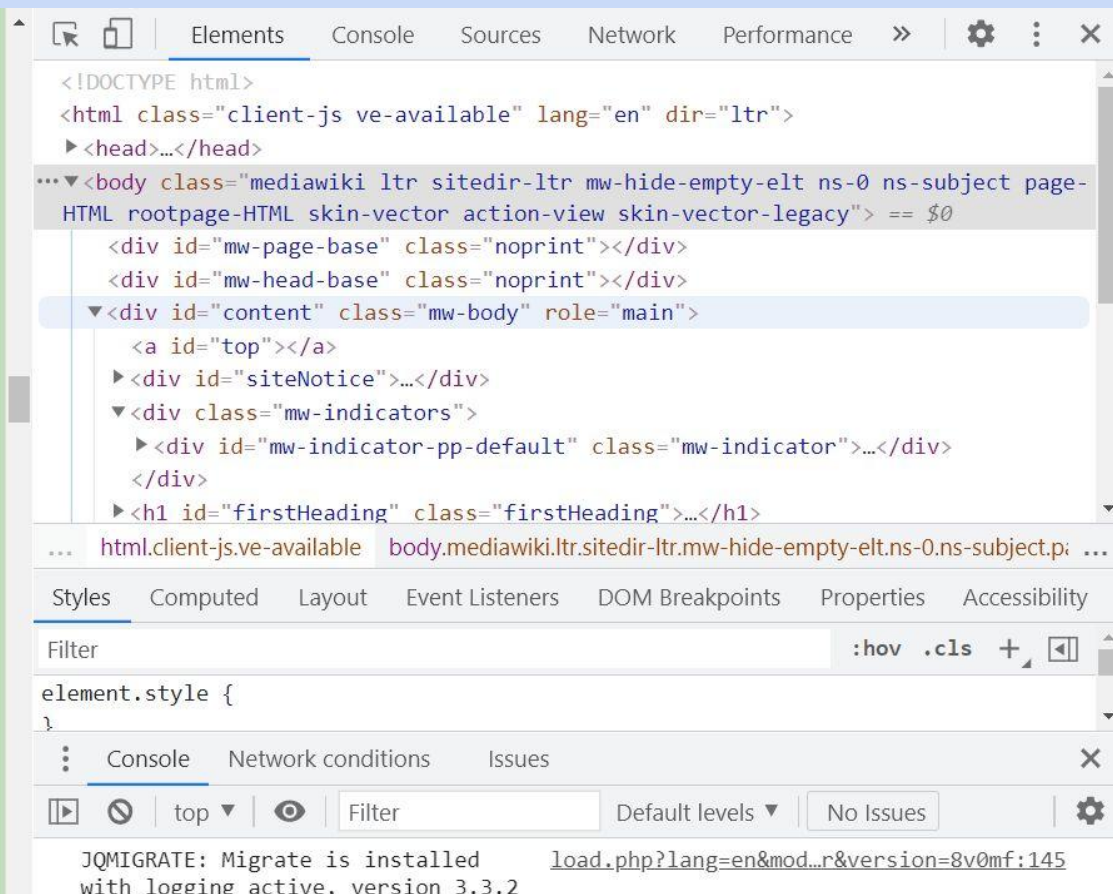
Chrome developer tools

Colors

```
<div style="
     ...
     color: red;
     background-color: #FFED01;
     border: 2px dashed rgb(0, 56, 255)
     ">
  Some text
</div>
```

Color= RGB combination
(red, green, blue)

	Red	**G**reen	**B**lue
#	00 - FF	00 - FF	00 - FF
rgb	0 - 255	0 - 255	0 - 255

Background

```
body {
    background-color: #999999;
    background-image:
        url('../images/some-image.jpg');
    background-repeat: repeat-x;
    background-attachment: scroll;
    background-position: bottom right;
}

background-image: image url
background-repeat: repeat-x | repeat-y | no-repeat
background-attachment: scroll | fixed
```

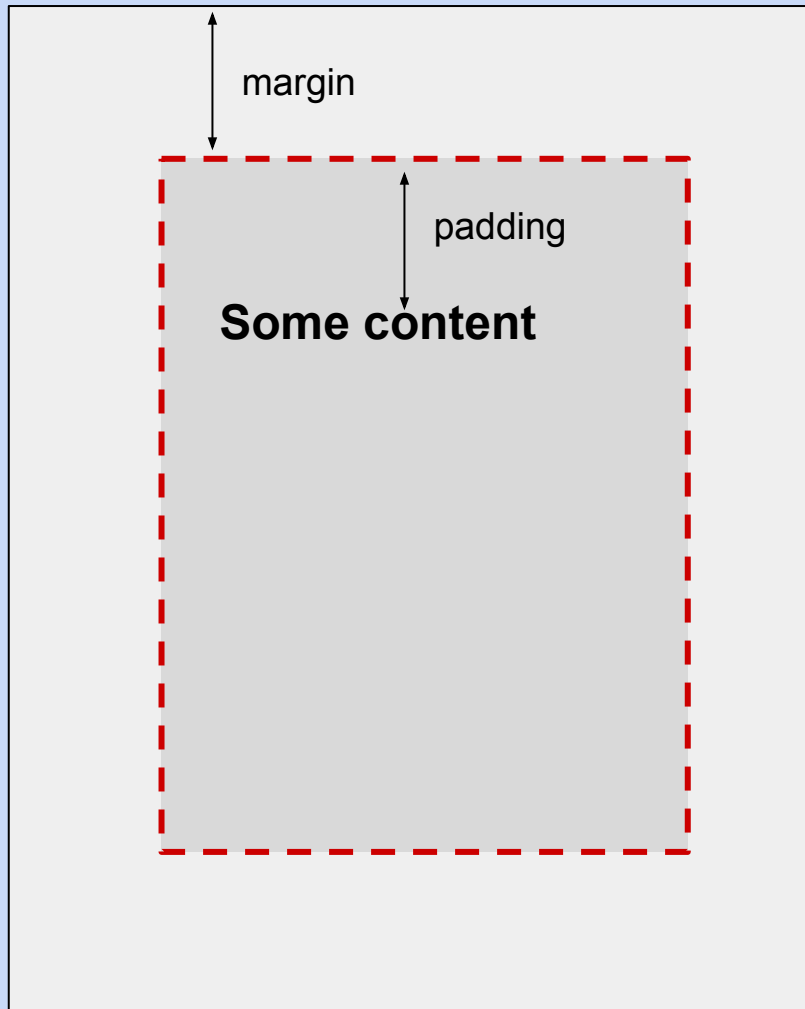# Border

```
div {
    border-color: #999999;
    border-style: solid;
    border-width: 3px;
}

div {
    border: 2px dashed rgb(0, 123, 234);
    border-top: 1px dotted #336699;
    border-right-style: solid;
}
```

Margin and padding

```css
div {
    margin: 5px;
    margin: 0 5px 0 10px;
    margin-top: 12px;
}

div {
    padding: 5px;
    padding: 0 5px 0 10px;
    padding-left: 12px;
}
```

Height and width

```
div {
    height: 50%;
    width: 65%;
    max-width: 300px;
    max-height: 400px;
    min-width:100px;
    min-height: 50px;
}
```

Text and font

```
text-align: center | left | right | justify
vertical-align: top | middle | bottom
text-decoration: none | overline | line-through |
underline
text-transform: uppercase | lowercase |capitalize
text-indent : 6px
letter-spacing: 3px
word-spacing: 3px
line-height: 12px
direction: rtl | ltr

font-family: 'Times New Roman', Arial, Verdana;
font-style: normal | italic
font-size: 23px | 1.5em | 50%
font-weight: normal | bold | bolder
```

Pseudo classes

```css
/* unvisited link */
a:link {color: blue;}

/* visited link */
a:visited { color: green;}

/* mouse over link */
a:hover { color: red;}

/* selected link */
a:active { color: orange;}
```