

<html></html>

HyperText Markup Language

```
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type"
      content="text/html; charset=UTF-8">
    <title>A hello world page</title>
    <script src="js/jquery.js"
      type="text/javascript"></script>
  </head>
  <body>
    <p>Hello World!</p>
    <hr>
    <!-- A comment here -->
    <div id="visualBlock"></div>
  </body>
</html>
```

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    <p>Hello World!</p>
    <hr>
    <!-- A comment here -->
    <div id="visualBlock"></div>
  </body>
</html>
```

- `
` `<hr>`
Change line

- ``
``
``
List items

- `<div></div>`
Block items

- ``
Inline items

- `<a>`
Hyperlink

- ``
Image

- `<table></table>`
`<tr></tr>` `<td></td>`
Table data

- `<embed></embed>`
Embed plugin

- `<form></form>`
`<input> ...`
`<select></select>`
`<textarea></textarea>`
User input field

```
selector { property: value; }
```

*Cascading **Style** Sheets*

- **Inline style**
inside the HTML document, style information on a single element, specified using the "style" attribute
- **Embedded style**
blocks of CSS information inside the HTML itself
- **External style sheets**
a separate CSS file referenced from the document

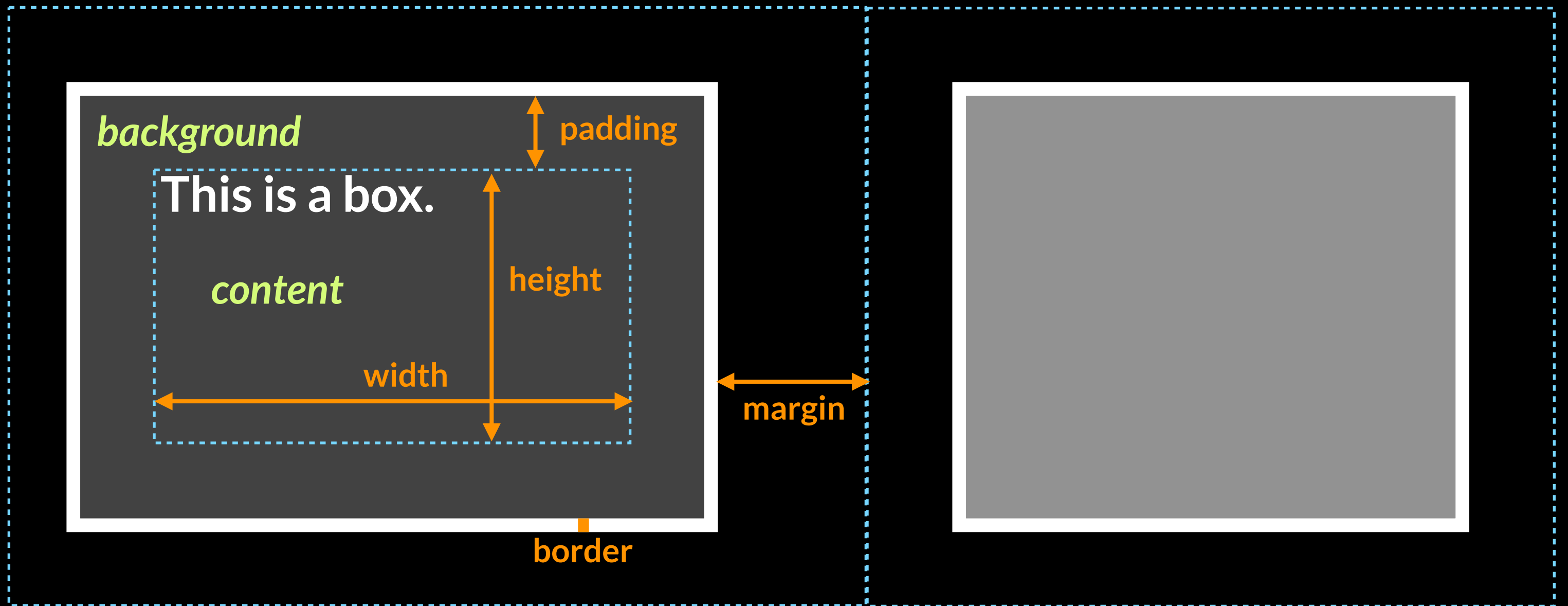
```
h1 {
    color: #FFF;
    background: #333 !important;
}

#titleField {
    font-weight: bold;
}

.highlight {
    display: inline-block;
    background: #FF0;
}

#titleField, #contentField {
    font-size: 1.2em;
}
```

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf=8">
    <title>Title</title>
    <style>
        body { color: #000; }
    </style>
    <link href="css/style.css"
        rel="stylesheet"
        type="text/css">
</head>
<body>
    <h1>Hello</h1>
    <div id="titleField">
        Title
        <span class="highlight">!!</span>
    </div>
    <div id="contentField">Content</div>
    <div style="font-size: 2em;">
        Big Size Text
    </div>
</body>
</html>
```



CSS box model

`#FF00CC, #FFF,
rgba(255,255,255,1),
hsla(360,100%,100%,1)`

CSS Color

em, px, %

CSS Units

CSS Values

```
border: 1px solid #CCC;
```

```
border-width: 1px;
```

```
border-style: solid;
```

```
border-color: #CCC;
```

CSS selectors

```
<!DOCTYPE html>
<html>
  <head>...</head>
  <body>
    <p>Hello World!</p>
    <hr>
    <!-- A comment here -->
    <div id="visualBlock"></div>
    <div class="endBlock"></div>
  </body>
</html>
```

- `html`
Element
- `#titleField`
ID
- `.highlight`
Class
- `[type="text"]`
Attribute

- `:hover`
Pseudo-Class
- `:first-child`
Pseudo-Element
- `, >`
Combinator
- `div.highlight:hover`
Mixable

HTML Sample

```
<div id="a" class="b">  
  <div class="b">  
    <div></div>  
    <input name="key">  
  </div>  
</div>
```

css: div

```
<div id="a" class="b">  
  <div class="b">  
    <div></div>  
    <input name="key">  
  </div>  
</div>
```


css: div#a

```
<div id="a" class="b">  
  <div class="b">  
    <div></div>  
    <input name="key">  
  </div>  
</div>
```

css: div.b

```
<div id="a" class="b">  
  <div class="b">  
    <div></div>  
    <input name="key">  
  </div>  
</div>
```

css: div#a.b

```
<div id="a" class="b">  
  <div class="b">  
    <div></div>  
    <input name="key">  
  </div>  
</div>
```

css: div#a > div

```
<div id="a" class="b">  
  <div class="b">  
    <div></div>  
    <input name="key">  
  </div>  
  <div></div>  
</div>
```

css: div#a > div:first-child

```
<div id="a" class="b">  
  <div class="b">  
    <div></div>  
    <input name="key">  
  </div>  
  <div></div>  
</div>
```

css: div#a div

```
<div id="a" class="b">  
  <div class="b">  
    <div></div>  
    <input name="key">  
  </div>  
  <div></div>  
</div>
```

css: input[name="key"]

```
<div id="a" class="b">  
  <div class="b">  
    <div></div>  
    <input name="key">  
    <input name="pwd">  
  </div>  
</div>
```

css: #a > input[name="key"]

```
<div id="a" class="b">  
  <div class="b">  
    <div></div>  
    <input name="key">  
    <input name="pwd">  
  </div>  
</div>
```


css: #a input[name="key"]

```
<div id="a" class="b">  
  <div class="b">  
    <div></div>  
    <input name="key">  
    <input name="pwd">  
  </div>  
</div>
```