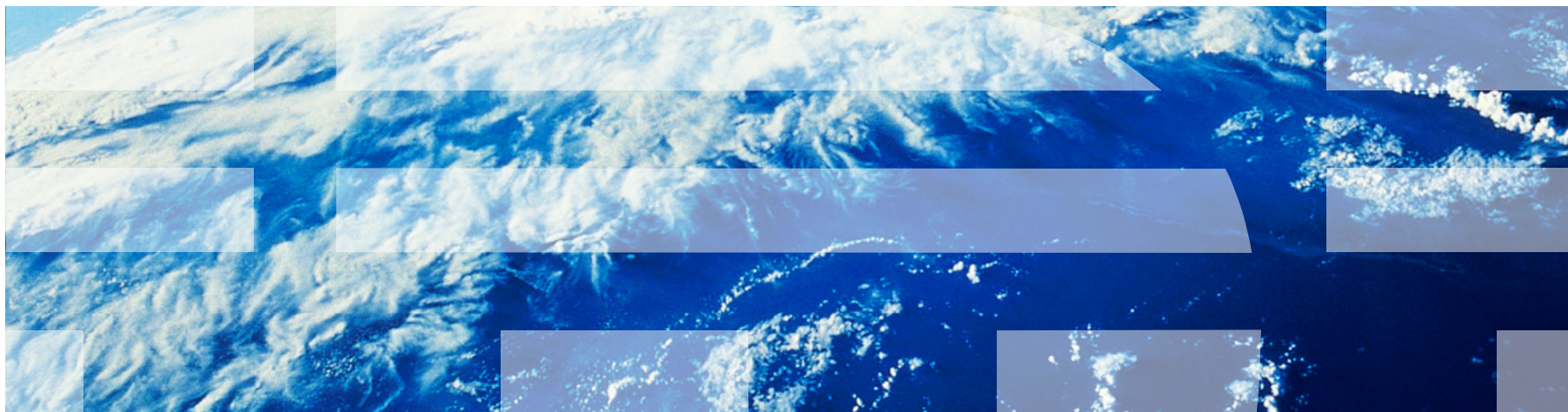




Занятие 2. Основы верстки веб-страниц

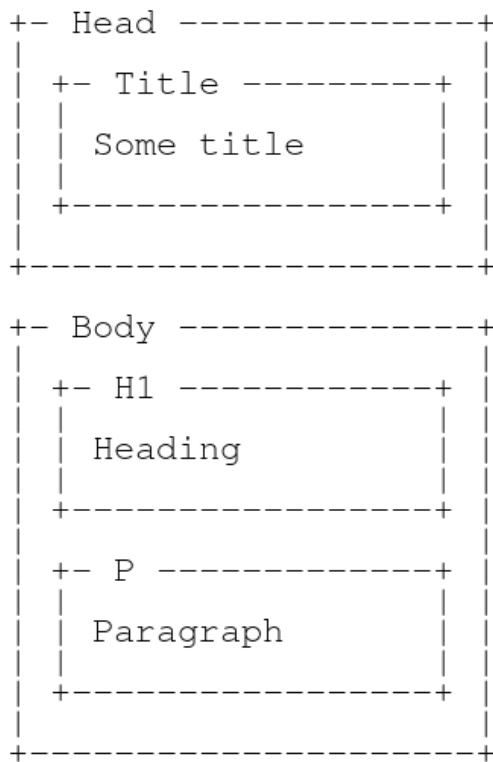


Цель и разделы

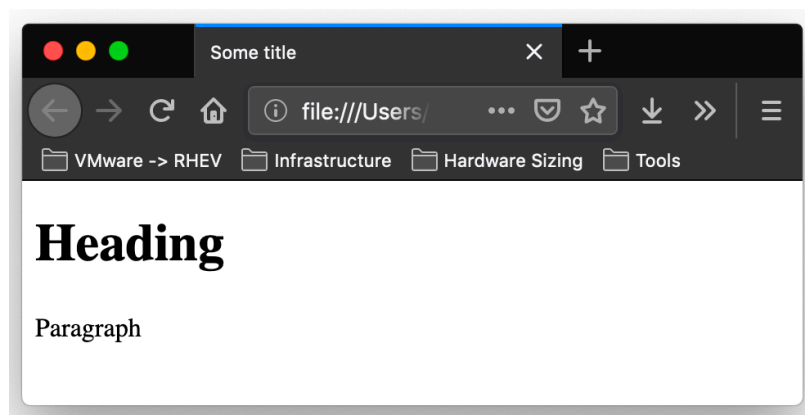
- Цель занятия — ознакомиться с основными подходами к верстке статичных веб-страниц, элементами веб-страниц, возможностями использования стилей, табличной версткой, возможностями валидации веб-страниц.

- Разделы:
 - Базовая структура веб-страницы и теги HTML;
 - Текст и ссылки, якоря;
 - Изображения;
 - Списки;
 - Таблицы;
 - Каскадные таблицы стилей CSS;
 - Валидация документов;
 - Онлайн-курсы.

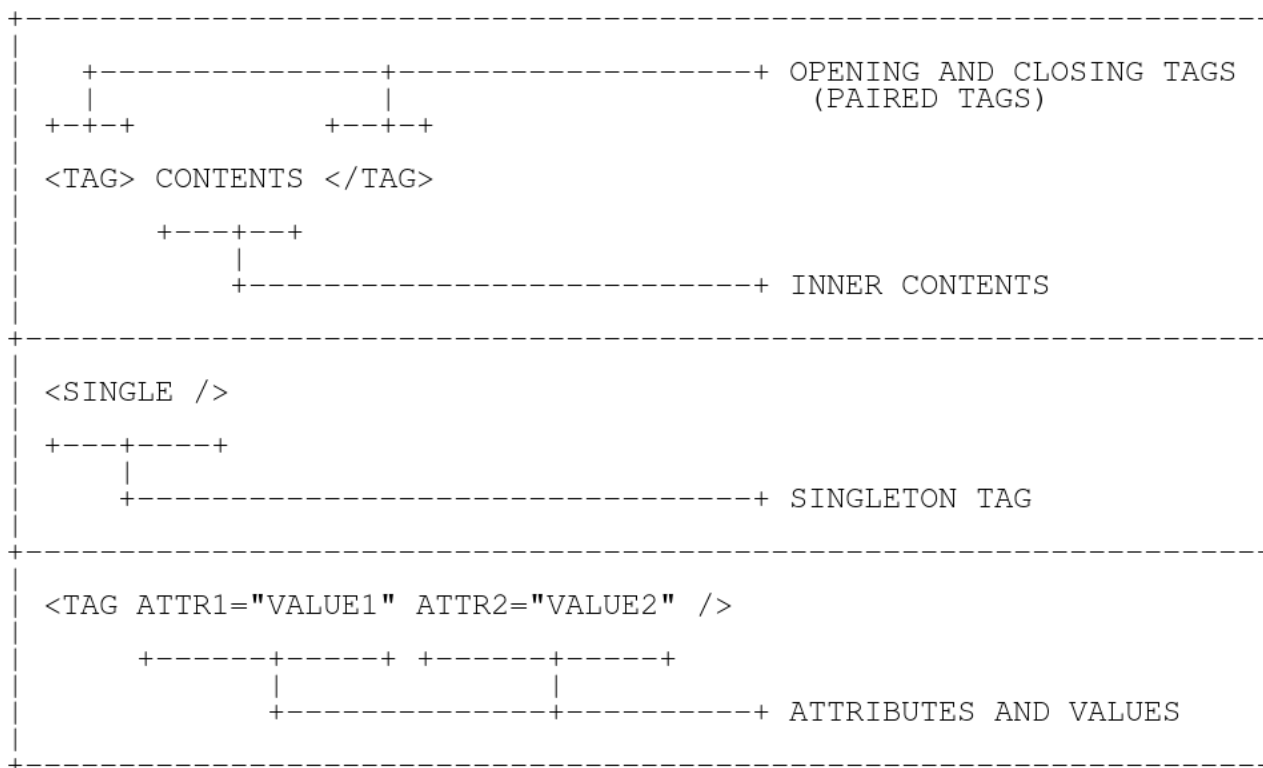
Базовая структура веб-страницы



```
<!DOCTYPE html>
<html>
  <head>
    <title>Some title</title>
  </head>
  <body>
    <h1>Heading</h1>
    <p>Paragraph</p>
  </body>
</html>
```



Тэги HTML

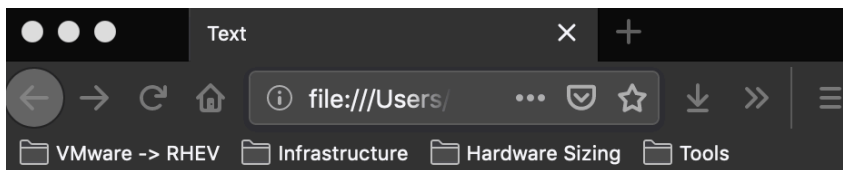


Текст

```
<!DOCTYPE html>
<html>
  <head>
    <title>Text</title>
  </head>
  <body>
    <h1>&lt;h1>Text&lt;/h1></h1>
    <h2>&lt;h2>Text&lt;/h2></h2>
    <h3>&lt;h3>Text&lt;/h3></h3>
    <h4>&lt;h4>Text&lt;/h4></h4>
    <h5>&lt;h5>Text&lt;/h5></h5>
    <h6>&lt;h6>Text&lt;/h6></h6>

    <p>&lt;p>Paragraph;&lt;/p></p>

    <pre>
      &lt;pre>
Unformatted    monospaced
text &#129300;
      &lt;/pre>
    </pre>
  </body>
</html>
```



<h1>Text</h1>

<h2>Text</h2>

<h3>Text</h3>

<h4>Text</h4>

<h5>Text</h5>

<h6>Text</h6>

<p>Paragraph;</p>

```
<pre>
Unformatted    monospaced
text 🤔
</pre>
```

Ссылки

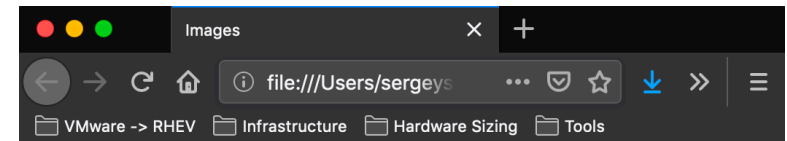
```
+-- index.html -----+
| <a href="about.html">About Page</a>
+--> |
|      + <p>Start here</p>
+-----+
|
+-----+
+-- about.html -----+
| <a href="index.html">Index Page</a>
+--> |
|      + <p>Description!</p>
+-----+
```

Якоря

```
+-- index.html -----+
|                         |
|  <a href="#part1">Go to part 1</a>  +-----+
|                         |
|  <a href="#part2">Go to part 2</a>  +-----+
|                         |
|  <a id="part1"> Part 1 here </a>    <-----+
|                         |
|  <a id="part2"> Part 2 here </a>    +-----+
|                         |
+-----+
```

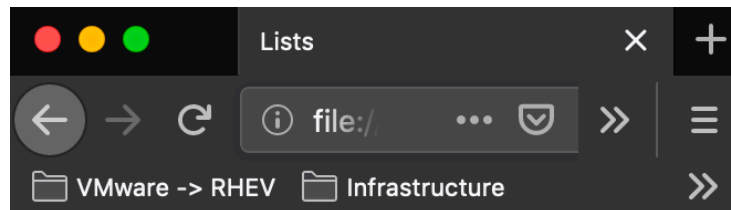
Изображения

```
<!DOCTYPE html>
<html>
  <head>
    <title>Images</title>
  </head>
  <body>
    <p></p>
  </body>
</html>
```



Списки

```
<!DOCTYPE html>
<html>
  <head>
    <title>Lists</title>
  </head>
  <body>
    <p>Unordered list</p>
    <ul>
      <li>Element 1</li>
      <li>Element 2</li>
      <li>Element 3</li>
    </ul>
    <p>Ordered list</p>
    <ol>
      <li>Item 1</li>
      <li>Item 2</li>
      <li>Item 3</li>
    </ol>
  </body>
</html>
```



Unordered list

- Element 1
- Element 2
- Element 3

Ordered list

1. Item 1
2. Item 2
3. Item 3

Таблицы

```

<TABLE>
+-- <THEAD> -----+
| +- <TR> -----+ |
| | Table Head | Table Head | Table Head |
| +- <TR> -----+ |
+-- <TBODY> -----+
| +- <TR> -----+ |
| | Table Data | Table Data | Table Data |
| +- <TR> -----+ |
| | Table Data | Table Data | Table Data |
| +- <TR> -----+ |
| | Table Data | Table Data (COLSPAN=2) |
| +- <TR> -----+ |
+-- <TBODY> -----+
</TABLE>

```

Таблицы

```
<!DOCTYPE html>
<html>
  <head>
    <title>Tables</title>
  </head>
  <body>
    <table border>
      <thead>
        <tr>
          <th>Table Head</th>
          <th>Table Head</th>
          <th>Table Head</th>
        </tr>
      </thead>
      <tbody>
        <tr>
          <td>Table Data</td>
          <td>Table Data</td>
          <td>Table Data</td>
        </tr>
        <tr>
          <td>Table Data</td>
          <td>Table Data</td>
          <td>Table Data</td>
        </tr>
        <tr>
          <td>Table Data</td>
          <td colspan="2">Table Data (COLSPAN=2)</td>
        </tr>
      </tbody>
    </table>
  </body>
</html>
```

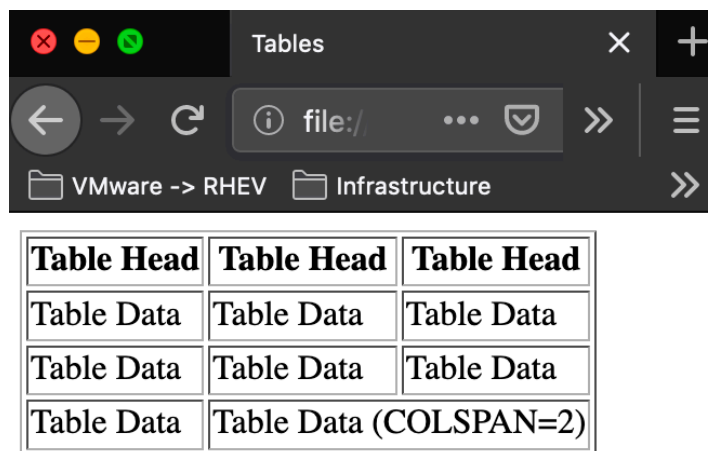


Table Head	Table Head	Table Head
Table Data	Table Data	Table Data
Table Data	Table Data	Table Data
Table Data	Table Data (COLSPAN=2)	

Каскадные таблицы стилей CSS

Inline CSS

```
<p style="color: blue;">This is a paragraph.</p>
```

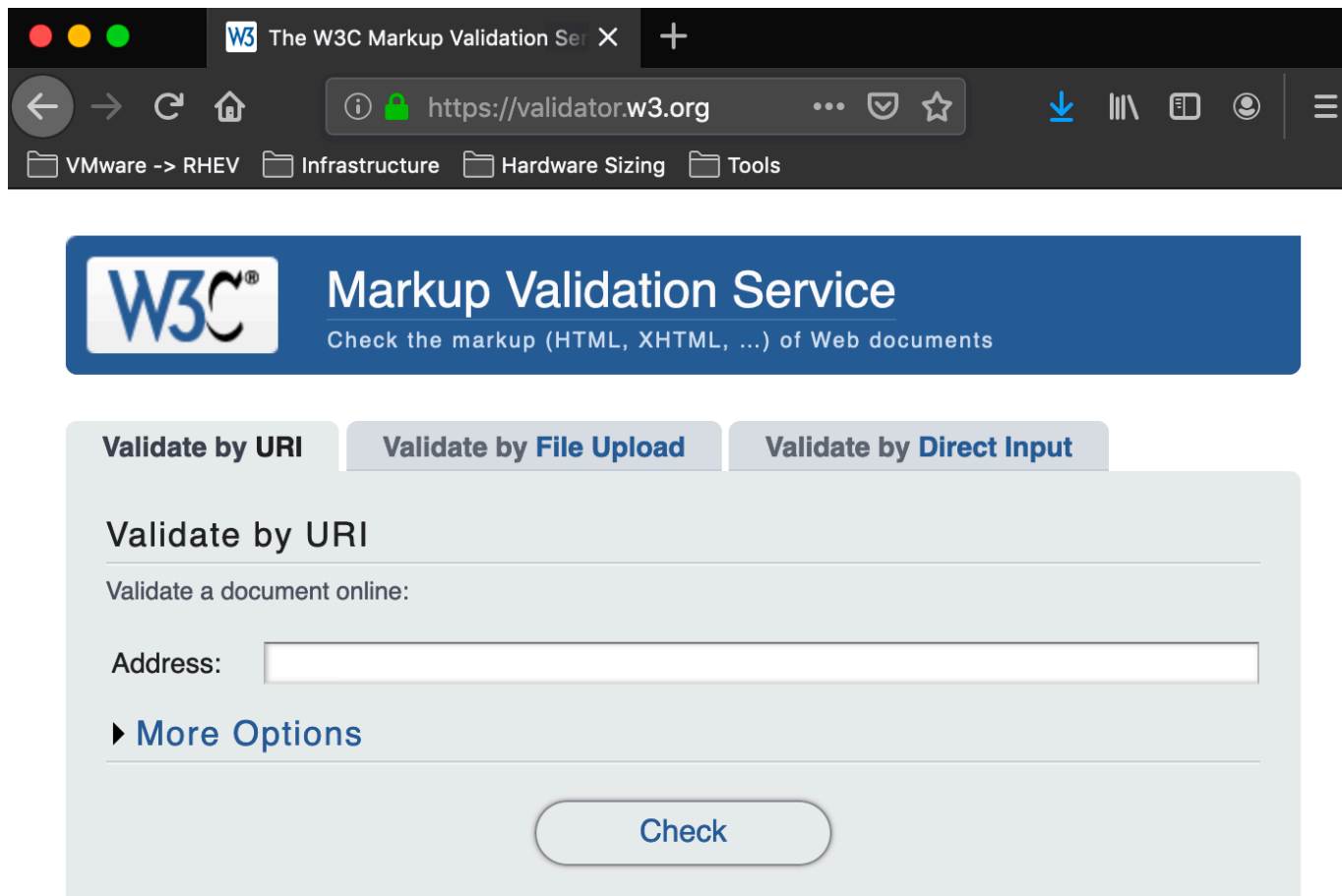
Embedded (internal) CSS

```
<head>
  <style>
    body { background-color: blue; }
    p { color: yellow; }
  </style>
</head>
```

External CSS

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

Валидация документов



The image shows a web browser window with the address bar displaying `https://validator.w3.org`. The browser's tab is titled "The W3C Markup Validation Ser". Below the browser window, the W3C Markup Validation Service interface is shown. It features a blue header with the W3C logo and the text "Markup Validation Service" and "Check the markup (HTML, XHTML, ...) of Web documents". There are three tabs: "Validate by URI", "Validate by File Upload", and "Validate by Direct Input". The "Validate by URI" tab is selected. Below the tabs, the text "Validate by URI" is displayed, followed by "Validate a document online:". There is an input field labeled "Address:" and a "Check" button.

W3C[®] Markup Validation Service
Check the markup (HTML, XHTML, ...) of Web documents

Validate by URI Validate by File Upload Validate by Direct Input

Validate by URI

Validate a document online:

Address:

► More Options

Check

Онлайн-курсы

- HTML5 and CSS: <https://www.edx.org/course/html5-and-css-fundamentals-3>
- JavaScript Intro: <https://www.edx.org/course/javascript-introduction-3>
- OR <https://www.coursera.org/specializations/razrabotka-interfeysov>