Apie HTML dalį nieko nepasidariau.

• Hipertektas (angl. hypertext) – tai tekstas, susietas su kitais tekstai per saitus (angl. hyperlink);

• Dokumentai, kuriuose informacija pateikiama hipertekstu,vadinami tinklalapiais (angl. web page);

• Interneto svetainę (angl. web site) sudaro rinkinys tinklalapių.

• Atskiros tinklalapių dalys (žodžiai, frazės, paveikslai, mygtukai) siejamos nuorodomis (saitai).

Puslapis yra sudarytas iš elementų (TAG).

Elementas turi atidarymo žymę ir uždarymo žymę.

<p> Turinys </p>

Elementas gali turėti parametrus.

Pavyzdžiui, parametras “style” arba “class”.

Parametras rašomas atidarymo žymėje:

<p class=”pirmas”> Turinys </p>

Vieno elemento viduje gali būti kitas elementas.

Elementai būna blokiniai ir linijiniai.

**Blokiniai elementai:**

<address> <article> <aside> <blockquote> <canvas> <dd> <div> <dl> <dt> <fieldset> <figcaption> <figure> <footer> <form> <h1>-<h6> <header> <hr> <li> <main> <nav> <noscript> <ol> <output> <p> <pre> <section> <table> <tfoot> <ul> <video>

**Linijiniai elementai:**

<a> <abbr> <acronym> <b> <bdo> <big> <br> <button> <cite> <code> <dfn> <em> <i> <img> <input> <kbd> <label> <map> <object> <q> <samp> <script> <select> <small> <span> <strong> <sub> <sup> <textarea> <time> <tt> <var>

**HTML5 TagsOrder by Alphabet**

This section contains a complete list of standard tags belonging to the latest HTML5 and XHTML 1.1 specifications. All the tags are grouped into categories.

**Structural Tags**

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<a>](https://www.tutorialrepublic.com/html-reference/html-a-tag.php) | Defines a hyperlink. |
| [<article>](https://www.tutorialrepublic.com/html-reference/html5-article-tag.php) | Defines an article. |
| [<aside>](https://www.tutorialrepublic.com/html-reference/html5-aside-tag.php) | Defines some content loosely related to the page content. |
| [<body>](https://www.tutorialrepublic.com/html-reference/html-body-tag.php) | Defines the document's body. |
| [<br>](https://www.tutorialrepublic.com/html-reference/html-br-tag.php) | Produces a single line break. |
| [<details>](https://www.tutorialrepublic.com/html-reference/html5-details-tag.php) | Represents a widget from which the user can obtain additional information or controls on-demand. |
| [<div>](https://www.tutorialrepublic.com/html-reference/html-div-tag.php) | Specifies a division or a section in a document. |
| [<h1> to <h6>](https://www.tutorialrepublic.com/html-reference/html-headings-tag.php) | Defines HTML headings. |
| [<head>](https://www.tutorialrepublic.com/html-reference/html-head-tag.php) | Defines the head portion of the document that contains information about the document. |
| [<header>](https://www.tutorialrepublic.com/html-reference/html5-header-tag.php) | Represents the header of a document or a section. |
| [<hgroup>](https://www.tutorialrepublic.com/html-reference/html5-hgroup-tag.php) | Defines a group of headings. |
| [<hr>](https://www.tutorialrepublic.com/html-reference/html-hr-tag.php) | Produce a horizontal line. |
| [<html>](https://www.tutorialrepublic.com/html-reference/html-html-tag.php) | Defines the root of an HTML document. |
| [<footer>](https://www.tutorialrepublic.com/html-reference/html5-footer-tag.php) | Represents the footer of a document or a section. |
| [<nav>](https://www.tutorialrepublic.com/html-reference/html5-nav-tag.php) | Defines a section of navigation links. |
| [<p>](https://www.tutorialrepublic.com/html-reference/html-p-tag.php) | Defines a paragraph. |
| [<section>](https://www.tutorialrepublic.com/html-reference/html5-section-tag.php) | Defines a section of a document, such as header, footer etc. |
| [<span>](https://www.tutorialrepublic.com/html-reference/html-span-tag.php) | Defines an inline styleless section in a document. |
| [<summary>](https://www.tutorialrepublic.com/html-reference/html5-summary-tag.php) | Defines a summary for the [<details>](https://www.tutorialrepublic.com/html-reference/html5-details-tag.php) element. |

**Metadata Tags**

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<base>](https://www.tutorialrepublic.com/html-reference/html-base-tag.php) | Defines the base URL for all linked objects on a page. |
| [<basefont>](https://www.tutorialrepublic.com/html-reference/html-basefont-tag.php) | [Obsolete](https://www.tutorialrepublic.com/definitions.php#obsolete) Specifies the base font for a page. |
| [<link>](https://www.tutorialrepublic.com/html-reference/html-link-tag.php) | Defines the relationship between the current document and an external resource. |
| [<meta>](https://www.tutorialrepublic.com/html-reference/html-meta-tag.php) | Provides structured metadata about the document content. |
| [<style>](https://www.tutorialrepublic.com/html-reference/html-style-tag.php) | Inserts style information (commonly CSS) into the head of a document. |
| [<title>](https://www.tutorialrepublic.com/html-reference/html-title-tag.php) | Defines a title for the document. |

**Form Tags**

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<button>](https://www.tutorialrepublic.com/html-reference/html-button-tag.php) | Creates a clickable button. |
| [<datalist>](https://www.tutorialrepublic.com/html-reference/html5-datalist-tag.php) | Represents a set of pre-defined options for an [<input>](https://www.tutorialrepublic.com/html-reference/html-input-tag.php) element. |
| [<fieldset>](https://www.tutorialrepublic.com/html-reference/html-fieldset-tag.php) | Specifies a set of related form fields. |
| [<form>](https://www.tutorialrepublic.com/html-reference/html-form-tag.php) | Defines an HTML form for user input. |
| [<input>](https://www.tutorialrepublic.com/html-reference/html-input-tag.php) | Defines an input control. |
| [<keygen>](https://www.tutorialrepublic.com/html-reference/html5-keygen-tag.php) | Represents a control for generating a public-private key pair. |
| [<label>](https://www.tutorialrepublic.com/html-reference/html-label-tag.php) | Defines a label for an <input> control. |
| [<legend>](https://www.tutorialrepublic.com/html-reference/html-legend-tag.php) | Defines a caption for a <fieldset> element. |
| [<meter>](https://www.tutorialrepublic.com/html-reference/html5-meter-tag.php) | Represents a scalar measurement within a known range. |
| [<optgroup>](https://www.tutorialrepublic.com/html-reference/html-optgroup-tag.php) | Defines a group of related options in a selection list. |
| [<option>](https://www.tutorialrepublic.com/html-reference/html-option-tag.php) | Defines an option in a selection list. |
| [<select>](https://www.tutorialrepublic.com/html-reference/html-select-tag.php) | Defines a selection list within a form. |
| [<textarea>](https://www.tutorialrepublic.com/html-reference/html-textarea-tag.php) | Defines a multi-line text input control (text area). |

**Formatting Tags**

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<abbr>](https://www.tutorialrepublic.com/html-reference/html-abbr-tag.php) | Defines an abbreviated form of a longer word or phrase. |
| [<acronym>](https://www.tutorialrepublic.com/html-reference/html-acronym-tag.php) | Defines an acronym. |
| [<address>](https://www.tutorialrepublic.com/html-reference/html-address-tag.php) | Specifies the author's contact information. |
| [<b>](https://www.tutorialrepublic.com/html-reference/html-b-tag.php) | Displays text in a bold style. |
| [<bdi>](https://www.tutorialrepublic.com/html-reference/html5-bdi-tag.php) | Represents text that is isolated from its surrounding for the purposes of bidirectional text formatting. |
| [<bdo>](https://www.tutorialrepublic.com/html-reference/html-bdo-tag.php) | Overrides the current text direction. |
| [<big>](https://www.tutorialrepublic.com/html-reference/html-big-tag.php) | displays text in a large size. |
| [<blockquote>](https://www.tutorialrepublic.com/html-reference/html-blockquote-tag.php) | Defines a long quotation. |
| [<center>](https://www.tutorialrepublic.com/html-reference/html-center-tag.php) | [Obsolete](https://www.tutorialrepublic.com/definitions.php#obsolete) Align contents in the center of the enclosing block. |
| [<cite>](https://www.tutorialrepublic.com/html-reference/html-cite-tag.php) | Indicates a citation or reference to another source. |
| [<code>](https://www.tutorialrepublic.com/html-reference/html-code-tag.php) | Specifies text as computer code. |
| [<del>](https://www.tutorialrepublic.com/html-reference/html-del-tag.php) | Specifies a block of deleted text. |
| [<dfn>](https://www.tutorialrepublic.com/html-reference/html-dfn-tag.php) | Specifies a definition. |
| [<em>](https://www.tutorialrepublic.com/html-reference/html-em-tag.php) | Specifies emphasized text. |
| [<font>](https://www.tutorialrepublic.com/html-reference/html-font-tag.php) | [Obsolete](https://www.tutorialrepublic.com/definitions.php#obsolete) Defines font, color, and size for text. |
| [<i>](https://www.tutorialrepublic.com/html-reference/html-i-tag.php) | Displays text in an italic style. |
| [<ins>](https://www.tutorialrepublic.com/html-reference/html-ins-tag.php) | Defines a block of text that has been inserted into a document. |
| [<kbd>](https://www.tutorialrepublic.com/html-reference/html-kbd-tag.php) | Specifies text as keyboard input. |
| [<mark>](https://www.tutorialrepublic.com/html-reference/html5-mark-tag.php) | Represents text highlighted for reference purposes. |
| [<output>](https://www.tutorialrepublic.com/html-reference/html5-output-tag.php) | Represents the result of a calculation. |
| [<pre>](https://www.tutorialrepublic.com/html-reference/html-pre-tag.php) | Defines a block of preformatted text. |
| [<progress>](https://www.tutorialrepublic.com/html-reference/html5-progress-tag.php) | Represents the completion progress of a task. |
| [<q>](https://www.tutorialrepublic.com/html-reference/html-q-tag.php) | Defines a short inline quotation. |
| [<rp>](https://www.tutorialrepublic.com/html-reference/html5-rp-tag.php) | Provides fall-back parenthesis for browsers that that don't support ruby annotations. |
| [<rt>](https://www.tutorialrepublic.com/html-reference/html5-rt-tag.php) | Defines the pronunciation of character presented in a ruby annotations. |
| [<ruby>](https://www.tutorialrepublic.com/html-reference/html5-ruby-tag.php) | Represents a ruby annotation. |
| [<s>](https://www.tutorialrepublic.com/html-reference/html-s-tag.php) | [Obsolete](https://www.tutorialrepublic.com/definitions.php#obsolete) Displays text in strikethrough style. |
| [<samp>](https://www.tutorialrepublic.com/html-reference/html-samp-tag.php) | Specifies text as sample output from a computer program. |
| [<small>](https://www.tutorialrepublic.com/html-reference/html-small-tag.php) | Displays text in a smaller size. |
| [<strike>](https://www.tutorialrepublic.com/html-reference/html-strike-tag.php) | [Obsolete](https://www.tutorialrepublic.com/definitions.php#obsolete) Displays text in strikethrough style. |
| [<strong>](https://www.tutorialrepublic.com/html-reference/html-strong-tag.php) | Indicate strongly emphasized text. |
| [<sub>](https://www.tutorialrepublic.com/html-reference/html-sub-tag.php) | Defines subscripted text. |
| [<sup>](https://www.tutorialrepublic.com/html-reference/html-sup-tag.php) | Defines superscripted text. |
| [<tt>](https://www.tutorialrepublic.com/html-reference/html-tt-tag.php) | Displays text in a teletype style. |
| [<u>](https://www.tutorialrepublic.com/html-reference/html-u-tag.php) | [Obsolete](https://www.tutorialrepublic.com/definitions.php#obsolete) Displays text with an underline. |
| [<var>](https://www.tutorialrepublic.com/html-reference/html-var-tag.php) | Defines a variable. |
| [<wbr>](https://www.tutorialrepublic.com/html-reference/html5-wbr-tag.php) | Represents a line break opportunity. |

**List Tags**

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<dd>](https://www.tutorialrepublic.com/html-reference/html-dd-tag.php) | Specifies a definition for a term in a definition list. |
| [<dir>](https://www.tutorialrepublic.com/html-reference/html-dir-tag.php) | [Obsolete](https://www.tutorialrepublic.com/definitions.php#obsolete) Defines a directory list. |
| [<dl>](https://www.tutorialrepublic.com/html-reference/html-dl-tag.php) | Defines a definition list. |
| [<dt>](https://www.tutorialrepublic.com/html-reference/html-dt-tag.php) | Defines a term (an item) in a definition list. |
| [<li>](https://www.tutorialrepublic.com/html-reference/html-li-tag.php) | Defines a list item. |
| [<ol>](https://www.tutorialrepublic.com/html-reference/html-ol-tag.php) | Defines an ordered list. |
| [<menu>](https://www.tutorialrepublic.com/html-reference/html-menu-tag.php) | Represents a list of commands. |
| [<ul>](https://www.tutorialrepublic.com/html-reference/html-ul-tag.php) | Defines an unordered list. |

**Table Tags**

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<caption>](https://www.tutorialrepublic.com/html-reference/html-caption-tag.php) | Defines the title of a table. |
| [<col>](https://www.tutorialrepublic.com/html-reference/html-col-tag.php) | Defines attribute values for one or more columns in a table. |
| [<colgroup>](https://www.tutorialrepublic.com/html-reference/html-colgroup-tag.php) | Specifies attributes for multiple columns in a table. |
| [<table>](https://www.tutorialrepublic.com/html-reference/html-table-tag.php) | Defines a data table. |
| [<tbody>](https://www.tutorialrepublic.com/html-reference/html-tbody-tag.php) | Groups a set of rows defining the main body of the table data. |
| [<td>](https://www.tutorialrepublic.com/html-reference/html-td-tag.php) | Defines a cell in a table. |
| [<tfoot>](https://www.tutorialrepublic.com/html-reference/html-tfoot-tag.php) | Groups a set of rows summarizing the columns of the table. |
| [<thead>](https://www.tutorialrepublic.com/html-reference/html-thead-tag.php) | Groups a set of rows that describes the column labels of a table. |
| [<th>](https://www.tutorialrepublic.com/html-reference/html-th-tag.php) | Defines a header cell in a table. |
| [<tr>](https://www.tutorialrepublic.com/html-reference/html-tr-tag.php) | Defines a row of cells in a table. |

**Scripting Tags**

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<noscript>](https://www.tutorialrepublic.com/html-reference/html-noscript-tag.php) | Defines alternative content to display when the browser doesn't support scripting. |
| [<script>](https://www.tutorialrepublic.com/html-reference/html-script-tag.php) | Places script in the document for client-side processing. |

**Embedded Content Tags**

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<applet>](https://www.tutorialrepublic.com/html-reference/html-applet-tag.php) | [Obsolete](https://www.tutorialrepublic.com/definitions.php#obsolete) Embeds a Java applet (mini Java applications) on the page. Use the [<object>](https://www.tutorialrepublic.com/html-reference/html-object-tag.php) element instead. |
| [<area>](https://www.tutorialrepublic.com/html-reference/html-area-tag.php) | Defines a specific area within an image map. |
| [<audio>](https://www.tutorialrepublic.com/html-reference/html5-audio-tag.php) | Embeds a sound, or an audio stream in an HTML document. |
| [<canvas>](https://www.tutorialrepublic.com/html-reference/html5-canvas-tag.php) | Defines a region in the document, which can be used to draw graphics on the fly via scripting (usually JavaScript). |
| [<embed>](https://www.tutorialrepublic.com/html-reference/html5-embed-tag.php) | Embeds external application, typically multimedia content like audio or video into an HTML document. |
| [<figcaption>](https://www.tutorialrepublic.com/html-reference/html5-figcaption-tag.php) | Defines a caption or legend for a figure. |
| [<figure>](https://www.tutorialrepublic.com/html-reference/html5-figure-tag.php) | Represents a figure illustrated as part of the document. |
| [<frame>](https://www.tutorialrepublic.com/html-reference/html-frame-tag.php) | Defines a single frame within a frameset. |
| [<frameset>](https://www.tutorialrepublic.com/html-reference/html-frameset-tag.php) | Defines a collection of frames or other frameset. |
| [<iframe>](https://www.tutorialrepublic.com/html-reference/html-iframe-tag.php) | Displays a URL in an inline frame. |
| [<img>](https://www.tutorialrepublic.com/html-reference/html-img-tag.php) | Displays an inline image. |
| [<map>](https://www.tutorialrepublic.com/html-reference/html-map-tag.php) | Defines a client-side image-map. |
| [<noframes>](https://www.tutorialrepublic.com/html-reference/html-noframes-tag.php) | Defines an alternate content that displays in browsers that do not support frames. |
| [<object>](https://www.tutorialrepublic.com/html-reference/html-object-tag.php) | Defines an embedded object. |
| [<param>](https://www.tutorialrepublic.com/html-reference/html-param-tag.php) | Defines a parameter for an object or applet element. |
| [<source>](https://www.tutorialrepublic.com/html-reference/html5-source-tag.php) | Defines alternative media resources for the media elements like [<audio>](https://www.tutorialrepublic.com/html-reference/html5-audio-tag.php) or [<video>](https://www.tutorialrepublic.com/html-reference/html5-video-tag.php). |
| [<time>](https://www.tutorialrepublic.com/html-reference/html5-time-tag.php) | Represents a time and/or date. |
| [<video>](https://www.tutorialrepublic.com/html-reference/html5-video-tag.php) | Embeds video content in an HTML document. |

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HTML dokumento struktūra:

<!DOCTYPE html>

<html lang="lt">

<head>

<title> Pavadinimas </title>

</head>

<body>

Turinys

</body>

</html>

Visas dokumentas yra tarp elementų <html>.

<head> dalyje yra infomracija, kuri neatvaizduojama pačiame tinklalapyje. Joje gali būti nurodomi metaduomenys, linkai į CSS failus bei aprašomi stiliai.

Visas turinys yra elemente <body>.

Struktūriniai semantiniai elementai:

<header> <nav> <main> <section> <article> <aside> <footer>

**2. CSS**

Stilių priskyrimo tvarka

1. Įkeliamas HTML kodas;

2. Pritaikomos naršyklės vidinės taisyklės pagal nutylėjimą (angl. by default);

3. Pritaikomos išorinių \*.css failų taisyklės;

4. Pritaikomos vidinės, žymoje <style> esančios taisyklės;

5. Pritaikomas elemento stilius, atribute „style“ esančios taisyklės.

**Selektorių kategorijos**• Paprastas (anlg. simple selector)  
• Su atributu (angl. attribute selector)  
• Pseudo klasės  
• Pseudo elementai  
• Kombinacijos (angl. combinators)  
• Selektorių grupė (angl. multiple selectors)

**Paprastas:**

h2, h3{  
color: green;  
}

Tiesiog parašau selektorių (ar tagą – šiuo atveju hederis2 ir hederis 3) ir garbanotuose skliaustuose parašau ką noriu nustatyti.

**Su atributu:**

img[title] {  
width: 20%;  
}   
img[title="InfoBanner"] {  
width: 60%;  
}

Čia aš kreipiuosi į img su atributu [title], o antru atveju tas title turi net ir konkrečią reikšmę.

**Pseudo klasė:**

p:first-child {  
color: lime;  
}

Čia nustatau tik tėvinio elemento pirmam paragrafui. Galiu pasirinkti ir kitus elementus – h2, ul ir panašiai.

**Pseudo elementai:**

p::first-letter {  
color: red;  
font-size: 150%;  
}

Čia aš nustatau kažkokio elemento, šiuo atveju paragrafo, vidinį elementą, kas šiuo atveju yra pirma raidė.

**Kombinacijos:**

article p {  
color: red;  
}

Čia nustatymai galios tik p elementui, kuris yra elemente article. Kitiems p elementams tai negalios.

article > h3{  
color: red;  
}

Čia nustatymai galios tik h3, kuris yra tiesioginis vaikinis elementas article elemento. Visiems kitiems h3 tai negalios. Pvz, jeigu article’yje bus header, o tik po to h3, tai šis h3 nėra tiesioginis vaikinis article elementas ir jam nustatymai negalios.

article + p {  
color: red;  
}

Čia nustatymai galios pirmam ir vienam p elementui, kuris eina po article.

**Selektorių grupė:**

Klasė:

p.info{  
color: blue;  
}

p.komentaras{  
color: grey;  
}

Galima nustatymus taikyti elementams, kurie turi klasę.

Pirmu atveju yra taikoma paragrafui, kuris turi klasę info.

O antru atveju taikoma visiems elementams,,kurie turi klasę komentaras.

Taškas naudojamas kaip pažymėjimas, kad toliau eina klasės pavadinimas.

ID:

#top{  
color: blue;  
}  
#bottom{  
color: grey;  
}

Galima nustatymus taikyti lementams, pagal jų ID. ID yra unikalus ir negali būti kito element su tokiu pačio ID.

Grotelės parodo, kad toliau eina ID pavadinimas.

Universalus:

\* {  
color: green;  
}

Žvaigždutė rodo, kad nustatymai taikomi viskam.

Tam, kad elementai eitų ne griežtai vienas paskui kitą, galima naudoti technologijas:

* Parametras float;
* flexbox;
* grid;
* framework.

Parametras **float** pasako, kaip tas elementas turi būti parodomas puslapyje.

Jeigu float: left, tai elementą rodys kairėje.

float galima naudoti su linijiniais elementais.

Nes kai pradedi jį naudoti su blokiniais, prasideda visokios nesąmonės.

Su blokiniais elementais, geriau naudoti flexbox arba grid komandas (ar kaip jos vadinasi).

Naudojant **flexbox**, tam elementui sukuriama klase “flex-container”, o tai klasei panaudojamos stiliaus komandos. O elementų viduje to konteinerio išdėstymui yra taikomi “flex-items“ nustatymai.

**Flex-container atveju:**

- display: flex | inline-flex; - atvaizdavimo būdas flex.

– flex-direction: row | row-reverse | column | columnreverse; - kokia tvarka išdėstomi elementai

– flex-wrap: wrap | nowrap | wrap-reverse; - ar yra wrapinimas

– flex-flow (shorthand for flex-direction and flex-wrap) - Nežinau

– justify-content (main axis): flex-start | flex-end | center |space-between | space-around | space-evenly; - elementų išlygiavimas

– align-items (cross axis ): flex-start | flex-end | center; - item’sų išlygiavimas

**Flex-item atveju:**

– order: <integer>; - išdėstymo tvarka

– flex-grow: <number>; -

– flex-shrink: <number>;

– flex-basis: <length> | auto;

– flex: shorthand for grow, shrink, and basis (default: 0 1 auto)

**Grid atveju** naudojamos komandos:

• grid-template-columns

• grid-template-rows

• grid-template-areas

• grid-template

• grid-auto-columns

• grid-auto-rows

• grid-auto-flow

• grid

• grid-row-start

• grid-column-start

• grid-row-end

• grid-column-end

• grid-row

• grid-column

• grid-area

• grid-row-gap

• grid-column-gap

• grid-gap