

Informatik

Webtechnologier 2



PROJEKTET

Hjemmeside for at tiltrække scienceelever til Rysensteen:

I år har vi kun kunne fylde to klasser med scienceelever, en biotek og en almen science. Det er halvt så mange som de forgående år og det skal der laves om på! Jeres opgave er at lave en hjemmeside som guider de kommende elever med interesse for naturvidenskab til at vælge af Rysensteen Gymnasium.

I projektet skal I dokumentere

- En beskrivelse af en persona.
- Designvalg på baggrund af persona og eksempler på implementering.
- Brugertest med spørgeskema.
- Overvejelser i forhold til ændringer efter brugertest.

I dag

- Lave grupper
 - 2-3 personer med samme ambitioner
 - Gerne samme klasse
 - Aflevering individuelt link til hjemmeside
 - Layout og indhold må gerne være fælles
- Brainstorm over indhold til hjemmesiden baseret på jeres målgruppe
- I gang med tutorials [w3schools.com](https://www.w3schools.com)

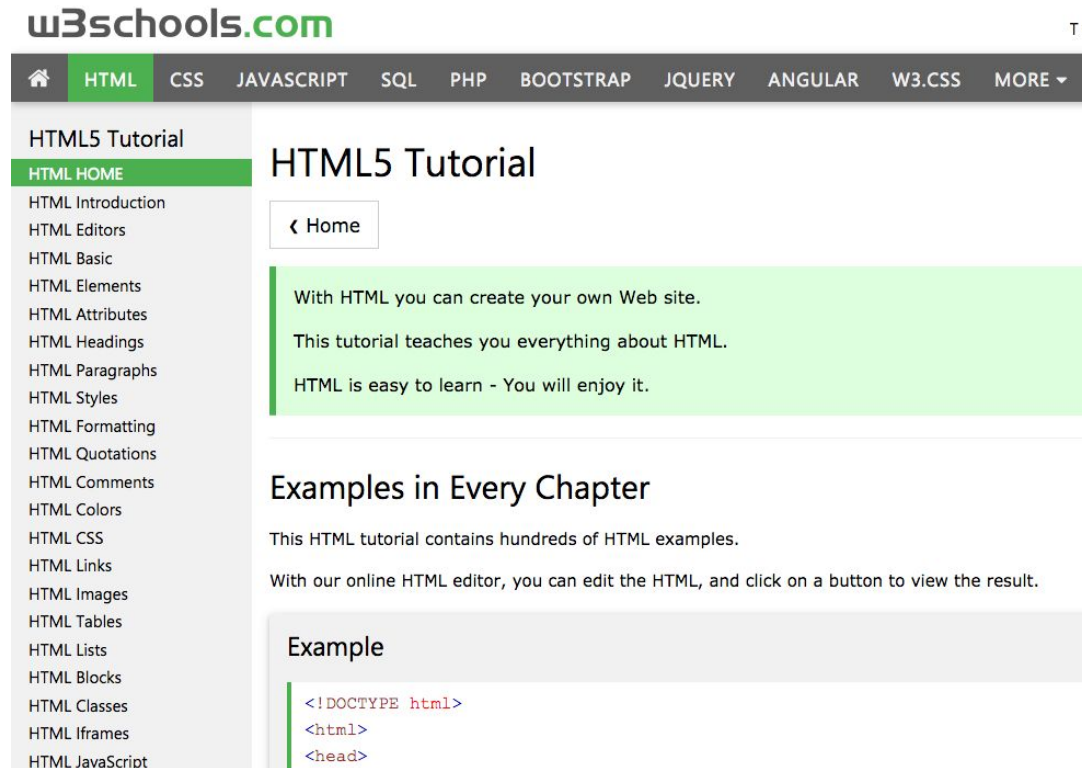
Intro til HTML Tutorial med w3schools.com

Visuelle elementer:

- Tekst
- Billeder
- Videoer

Skjulte elementer

- Koder
- Links
- Farvekoder (CSS)



The screenshot shows the w3schools.com website. The top navigation bar includes links for HTML, CSS, JAVASCRIPT, SQL, PHP, BOOTSTRAP, JQUERY, ANGULAR, W3.CSS, and MORE. The left sidebar lists various HTML5 topics, with 'HTML HOME' highlighted. The main content area is titled 'HTML5 Tutorial' and includes a 'Home' button. A green box contains the text: 'With HTML you can create your own Web site. This tutorial teaches you everything about HTML. HTML is easy to learn - You will enjoy it.' Below this, there is a section titled 'Examples in Every Chapter' which states: 'This HTML tutorial contains hundreds of HTML examples. With our online HTML editor, you can edit the HTML, and click on a button to view the result.' At the bottom, there is an 'Example' section showing a snippet of HTML code: `<!DOCTYPE html>`, `<html>`, and `<head>`.

Opbygning af en hjemmeside

```
<!DOCTYPE html>
<html>
  <head>

  </head>
  <body>

  </body>
</html>
```

```
<!DOCTYPE html>
<html>
  <head>
    <title>Page Title</title>
  </head>
  <body>

    <h1>My First Heading</h1>
    <p>My first paragraph.</p>

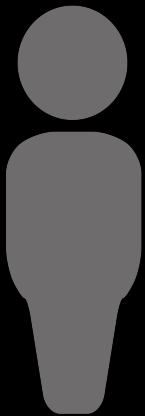
  </body>
</html>
```

My First Heading

My first paragraph.

Regel:

- Tags kommer i par og skal lukkes
- Undtagen fx
 for linjeskift



- The `<!DOCTYPE html>` declaration defines this document to be HTML5
- The `<html>` element is the root element of an HTML page
- The `<head>` element contains meta information about the document
- The `<title>` element specifies a title for the document
- The `<body>` element contains the visible page content
- The `<h1>` element defines a large heading
- The `<p>` element defines a paragraph

HTML Tutorial (35 minutter)

Læs og kig på eksemplere i følgende afsnit. I behøver ikke at kunne huske alt, bare sørg for at kunne finde det frem senere:

- HTML Basic
- HTML Elements
- HTML Attributes
- HTML Headings
- HTML Paragraphs
- HTML Styles
- HTML Formatting
- HTML Comments
- HTML Colors

Tags, som I burde ha' stødt på i modulet

- `<!DOCTYPE html>`
- `<html></html>`
- `<head></head>`
- `<title></title>`
- `<body></body>`
- `<h1>,</h1>,<h2>,</h2>,...`
- `<p></p>`
- ``
Rysensteen Gymnasium ``
- ``
- `,,,,,`
- attributes (name="value")
- Style: `<h1 style = "font-size:60px;">` Tekst `</h1>`
- `<hr>`
- `
`
- `<tagname style="property:value;">`
- `<body style =`
"background-color:powderblue;"`>`
- `<h1 style="color:blue;"></h1>`
- `<p style="font-family:courier;">`This
is a paragraph.`</p>`
- Formatting: `,,<sub>,<sup>`
- `<!-- Write your comments here -->`

Opgave (25 minutter)

Lav en hjemmeside i Bracket/Atom.

Siden skal have:

- filnavnet introaftenRysensteen.html
- Titel
- en farvet baggrund
- en fornuftig overskrift, hvor du ændrer font og farve
- en kommentar et sted i programmet
- en paragraf med tekst med fakta om landet
 - hvor du bruger linjeskift
 - fed og/eller kursiv skrift
- en vandret streg et sted

ekstra hvis I har tid

- et billed.



HTML 5 NEW TAG

TAG NOT SUPPORTED IN HTML 5

<!--...-->	Define a comment
<!DOCTYPE>	Defines the document type
<a>	Defines a hyperlink href, hreflang, media, ping, rel, target, type
<abbr>	Defines an abbreviation
<acronym>	Used to define an embedded acronyms
<address>	Defines an address element
<applet>	Used to define an embedded applet
<area>	Defines an area inside an image map alt, coords, href, hreflang, media, ping, rel, shape, target, type
<article>	Defines an article cite, pubdate
<aside>	Defines content aside from the page content
<audio>	Defines sound content autobuffer, autoplay, controls, src
	Defines bold text
<base>	Defines a base URL for all the links in a page href, target
<basefont>	Used to define a default font-color, font-size, or font-family for all the document
<bdo>	Defines the direction of text display dir
<big>	Used to make text bigger
<blockquote>	Defines a long quotation cite
<body>	Defines the body element

	Inserts a single line break
<button>	Defines a push button autofocus, disabled, form, formaction, formenctype, formmethod, formnovalidate, formtarget, name, type, value
<canvas>	Defines graphics height, width
<caption>	Defines a table caption
<center>	Used to center align text and content
<cite>	Defines a citation
<code>	Defines computer code text autobuffer, autoplay, controls, src
<col>	Defines attributes for table columns
<colgroup>	Defines groups of table columns span
<command>	Defines a command button checked, disabled, icon, label, radiogroup, type

<datalist>	Defines a dropdown list
<dd>	Defines a definition description
	Defines deleted text cite, datetime
<details>	Defines details of an element open
<dialog>	Defines a dialog (conversation)
<dfn>	Defines a definition term
<dir>	Used to define a directory list
<div>	Defines a section in a document
<dl>	Defines a definition list
<dt>	Defines a definition term
	Defines emphasized text
<embed>	Defines external interactive content or plugin height, src, type, width
<fieldset>	Defines a fieldset disabled, form, name
<figure>	Defines a group of media content, and their caption
	Used to define font face, font size, and font color of text
<footer>	Defines a footer for a section or page
<form>	Defines a form accept-charset, action, autocomplete, enctype, method, name, novalidate, target
<frame>	Used to define one particular window (frame) within a frameset
<frameset>	Used to define a frameset, which organized multiple windows (frames)
<h1> to <h6>	Defines header 1 to header 6
<head>	Defines information about the document
<header>	Defines a header for a section or page
<hgroup>	Defines information about a section in a document
<hr>	Defines a horizontal rule
<html>	Defines an html document manifest, xmlns
<i>	Defines italic text
<iframe>	Defines an inline sub window height, name, sandbox, seamless, src, width
	Defines an image alt, src, height, ismap, usemap, width
<input>	Defines an input field accept, alt, autocomplete, autofocus, checked, disabled, form, formaction, formenctype, formmethod, formnovalidate, formtarget, height, list, max, maxlength, min, multiple, name, pattern, placeholder, readonly, required, size, src, step, type, value, width

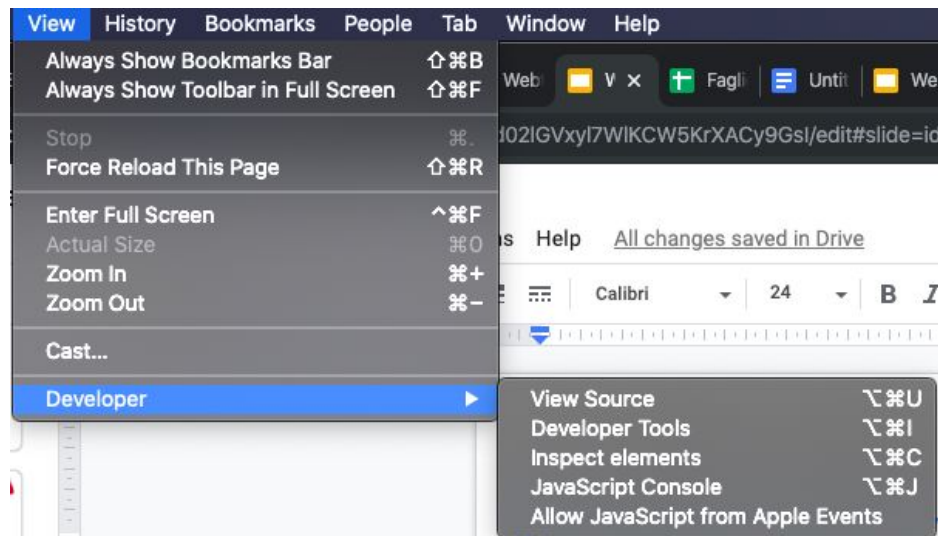
<ins>	Defines inserted text cite, datetime
<keygen>	Defines a generated key in a form autofocus, challenge, disabled, form, keytype, name
<kbd>	Defines keyboard text
<label>	Defines an inline sub window for, form
<legend>	Defines a title in a fieldset
	Defines a list item value
<link>	Defines a resource reference href, hreflang, media, rel, sizes, type
<map>	Defines an image map name
<mark>	Defines marked text
<menu>	Defines a menu list label, type
<meta>	Defines meta information charset, content, http-equiv, name
<meter>	Defines measurement within a predefined range high, low, max, min, optimum, value
<nav>	Defines navigation links
<noframes>	Used to display text for browsers that do not handle frames
<noscript>	Defines a noscript section
<object>	Defines an embedded object data, form, height, name, type, usemap, width
	Defines an ordered list reversed, start
<optgroup>	Defines an option group label, disabled
<option>	Defines an option in a drop-down list disabled, label, selected, value
<output>	Defines some types of output for, form, name
<p>	Defines a paragraph
<param>	Defines a parameter for an object name, value
<pre>	Defines preformatted text
<progress>	Defines progress of a task of any kind max, value
<q>	Defines a short quotation cite
<rp>	Used in ruby annotations to define what to show browsers that do not support the ruby element
<rt>	Defines explanation to ruby annotations
<ruby>	Defines ruby annotations
<s>, <strike>	Used to define strikethrough text.

<samp>	Defines sample computer code
<script>	Defines a definition list async, type charset defer, src
<section>	Defines a section cite
<select>	Defines a selectable list autofocus, disabled, form, multiple, name, size
<small>	Defines small text
<source>	Defines media resources media, src, type
	Defines a section in a document
	Defines strong text
<style>	Defines a style definition type, media, scoped
<sub>, <sup>	Defines sub/super-scripted text
<table>	Defines a table summary
<tbody>	Defines a table body summary
<td>	Defines a table cell colspan, headers, rowspan
<textarea>	Defines a text area autofocus, cols, disabled, form, maxlength, name, placeholder, readonly, required, rows, wrap
<tfoot>, <thead>	Defines a table footer / head
<th>	Defines a table header colspan, headers, rowspan, scope
<time>	Defines a date/tin datetime
<title>	Defines the document title
<tr>	Defines a table row datetime
<tt>	Used to define teletype text
<u>	Used to define underlined text
	Defines an unordered list
<var>	Defines a variable
<video>	Defines a video autobuffer, autoplay, controls, height, loop, src, width

Som røvere vi stjæle

I Chrome kan man se kildekoden med
view->Developer->view Source.

Eller højreklik på siden og vælg "vis sidens kilde"



Prøv at se koden fra denne hjemmeside.

<https://mpsteenstrup.github.io/index.html>

Hvilke elementer kan I genkende?