



## Final project

With this work you show that you have learned to write the html and css code. Furthermore, you know how to create the layout for the html elements to the page in the required way. Show especially your style sheet knowledge.

Use either the normalize.css or Eric Meyer's css reset in your work. The css reset will remove all paddings and margins. Note that you do not make empty lines (rows) with `<br>`, but you define margin or padding to required elements. In the advice pictures there are borders that are not supposed to show in the site.

Use [W3schools style guide](#) when writing html and css code. This site you should not implement responsiveness though you may know how to do it.

The evaluation of this work will be done via points.

### 1 Start the project

Star a new project with NetBeans or any other editor you wish to use.

- ~ project name: your\_surname\_your\_first\_name
- ~ create css and img folders
- ~ create a style sheet file in css folder, its name is your\_surname\_your\_first\_name.css
- ~ all images must be in the img folder

Remember. If your name should include other letters than a ... z change them to a ... z.

Select a color scheme to your site. W3schools color tutorial can help you. Use different colors than course exercises. Do not use the colors that have been used in the teacher's solution. That will reduce the points of your work. White (or nearly white) and black (or dark grey) one can always connect to other colours.

### 2 Layout of the pages

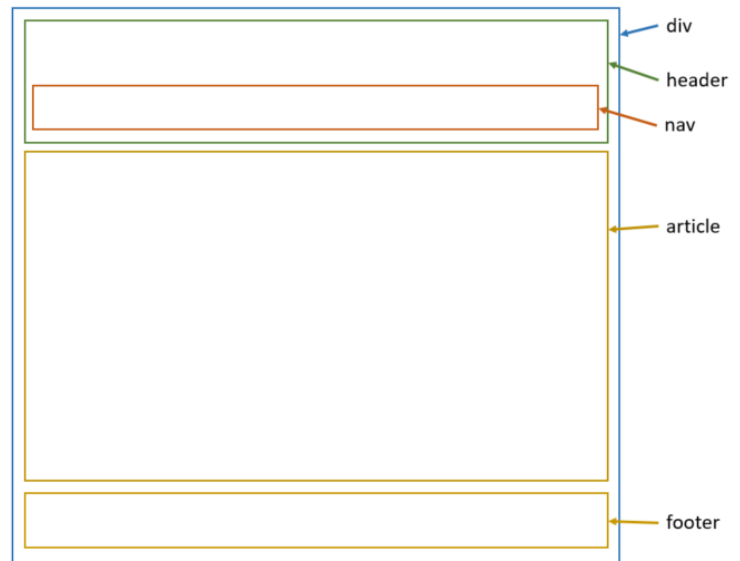
Open the index file. Define to use your style sheet file and write your name in the meta element. Each html file will have a unique title. In the title there is the navigation link text followed your initials for example Studies :: XX or Studies - XX.





Define the basic layout of the site pages to the index file according to the picture on the right. The different colours are only for the sake of clarity in the picture. They are not instruction colors to your implementation. Article element can be also main element.

- ~ div will be in the middle of the browser window in the horizontal direction. Its maximum width is 900-1000px. You can choose the width between those values.
- ~ Other html elements in the model take the whole width in the horizontal direction. This is the default. You need not write any definitions for this.



### Header

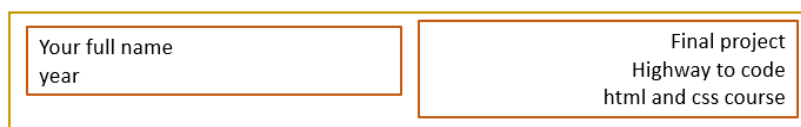
The texts of the header are in the picture below. Header text is in the h1 element. Navigation texts are in the nav element. The navigation texts are in the li elements of the ul list. In the navigation links use hover effect to show what link is being clicked.



At this phase write the file names in the links of the navigation, XX = your own initials.

- ~ Me >> index.html
- ~ Studying >> highway-to-code-XX.html
- ~ Leisure >> off-studies-XX.html
- ~ Images >> images-XX.html
- ~ Contact >> form-XX.html

### Footer



## 3 Pages


You will begin to create pages when the general layout begins to be ready. Copy the index.html file as pages highway-to-code-XX.html, off-studies-XX.html, images-XX.html and form-XX.html. On each page there are the same standard texts. Of course you can still do changes when needed. You must remember to copy the changes in the standard texts into every file.



## General requirements

- ~ All pages have a unique title, see advice in the chapter 2.
- ~ All pages should have a main heading in the article (or main) element. This heading should be h2 element. Headings should be clearly identified (color, size, etc.).
- ~ All the texts are written aligned to the left.
- ~ The links to the external sites open to a new tab. There should be at least one link to external site.
- ~ All the images are taken by you. The copyright of the images is yours.
- ~ Empty space between paragraphs or paragraphs and headings is not done with <br> element but margin definitions in the style sheet file. Define also general line-height to be more than 1 (that will be defined in css reset).
- ~ The texts must not be attached to the edges of the layout elements. There here should be some space between the edge of the layout element or table cell edge and the texts.
- ~ Font should be readable in the screen. Good fonts for text are for example Tahoma, Verdana or Arial. If you want to have a different font for headings Georgia would be a good choice.

## 4 Me

 <p>An image about you</p> <p>some image text</p>	<p>Your name</p> <p>Where and what you study.</p> <p>Some text about you: hobbies, where you live, pets, ...</p>
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- ~ In the h2 element is your name. Other texts in different paragraphs, at least two paragraphs of text.
- ~ There does not need to be a lot of text and the texts does not need to be true. The picture has to represent you.

## 5 Studies

In this page you show your knowledge to write texts in paragraphs and to format table data.

- ~ h2 element text Highway to code
- ~ After two or three paragraphs text about H2C studies. You can take texts from various H2C pages. You need to inform the source of the text as a link to the original site.
- ~ h3 element text Oulu University of Applied Sciences studies
- ~ After a table of studies (later in this document). You need to format the table mostly without class definitions. The 10 cr modules should be different from the courses in them. Different rows should be clearly distinguish from each other.
- ~ h3 element text Other universities in this project
- ~ After a table of the names of other universities. Different rows should be clearly distinguish from each other.

- ~ Show your skills to style tables with css. There should not be any border lines in the table.

### Studies

The basics of front-end programming and project management, 10 cr	
HTML and CSS	3 cr
Basics of JavaScript	4 cr
Project management	3 cr
Advanced front-end programming, 10 cr	
Bootstrap and jQuery	4 cr
Databases and SQL	2 cr
React and Async programming	4 cr
Design and implementation of a web service, 10 cr	
Service Design	2 cr
Copyright and licences	2 cr
WordPress	3 cr
Online shop	3 cr

### Universities

Centria University of Applied Sciences
Jyväskylä University of Applied Sciences
Vaasa University of Applied Sciences
Turku University of Applied Sciences
Kajaani University of Applied Sciences

## 6 Leisure

In this page you will show your knowledge to write and format lists. See [HTML Lists](#) (do not use type attribute but styles in the style sheet file) and [HTML Examples](#), find HTML Lists. Different lists should have different bullets. There should be also at least one nested list. Different lists should be next to each other not below each other.

- ~ h2 heading Leisure time in town (write the name of the town the text concerns, use your home town)
- ~ h3 headings: Physical education, Shops, Other leisure. Headings should be in the same "line".
- ~ Physical education: list 2-4 gyms in the town
- ~ Shops: list for example grocery stores, clothes shops, second hand stores, electronics trades, ...
- ~ Other leisure: list places to spend one's leisure time
- ~ If possible implement links to the sites of the places you introduce

## 7 Images

- ~ h2 element My images
- ~ 5-10 images that you have the copyright, you have shot the images.

Images in the net should be small, not megabytes as they are when you shoot a digital image. Make your images smaller using image editing software for example <https://pixlr.com>. It is free of charge



image editor in the web. Of course you can use any image editing software. Here is a video how to scale image <https://www.youtube.com/watch?v=EjRANya5VJA> with Pixlr editor. Images should have a same width for example 500px, the height do not need to be the same. If you wish you can also make height the same.

Note. *Save the image to a different name when you save the edited image in your computer.* There should always be the original, unedited image available for later use.

There should be 3 or 4 images next to each other on the page. Each image should have an image text that will come visible when mouse is over the image or image text below the image. The image text must not be in the title attribute.

## 8 Contact

~ h2 element Contact me

Create a form someone could send you a message via email. Unfortunately you cannot implement the actual sending because it will need a web server and send email function of a back-end programming language.

Place elements in two columns on the page. See examples in the internet and make a nice contact form.

In the form there are the following data:

- ~ who sends: name and e-mail
- ~ what is a matter: three alternatives from which the sender must choose one (the option buttons)
- ~ how is the sender contacted: e-mail, telephone (both can be chosen, the check boxes), with the telephone choice a telephone number can be written
- ~ subject of the message
- ~ actual message
- ~ buttons: Reset and Send

## 9 Comment definitions in the style sheet

Style sheet definitions should be in logical order. Write some comments in the style sheet to show where a specific definition is used. You do not need to comment all definitions but definitions that belong somehow together.

## 10 Submission

Zip the whole project. The name of the zip file is Your-surname-Your-first-name. Submit in Moodle.

