

Project 1

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Project description

In this assignment, your task is to write two files: an HTML file and an accompanying CSS file. Additionally, you may be required to create image files as well.

The page you are supposed to create should look like the page in the picture result.png that is part of this project zip bundle. Also, the following (not seen in the picture) should be implemented.

- In the search drop-down, you should show the following items: "All", "Computer Science", "Business" and "Law"
- Navigation links should use the color scheme as seen on the picture. Note that "Students List" is where the mouse was located when the picture was created(hover/selected), and this should be the color and picture used for links when the mouse hovers over them or when links are in selected state.

Your solution does not have to be 100% exactly like the one in the picture, but the closer you get will give you higher grade. A number of other points will affect your grade:

- The fewer extra tags you need for layout, the higher grade you will get.
- You will get a higher grade if the main content is above the navigation. Possible implementations are "Any order columns" which is mentioned at the end of chapter 3 in the book or [Flexbox](#). You are also encouraged to use [Flexbox](#) which is a new layout mode in CSS3. [Flexbox Froggy](#) is a very good tutorial on how to use Flexbox.
- Of course both your HTML file and your CSS file must validate against the DOCTYPE used. If there are more than 20 unique validation errors, your submission will not be accepted. Warnings, such as related to encoding and character sets may safely be ignored (this will be covered in more detail in a few weeks).
- HTML element should arrange in a fluid pattern, using the normal document flow. Avoid using position absolute!!!

Your solution should look the same in two different browsers with different rendering engines. Please state in your hand-in what browsers you used for testing.

Hints

Ensure you specify the correct DOCTYPE from the start. If you don't (or if you emit it altogether), the browser might render it completely different when you switch to a correct DOCTYPE (which is required - see above).

Layout requirements

In order to get a full grade for the assignment you will need to implement the following requirements.

- The header and footer should use the entire width of the page, but the main content and navigation as well as “Latest messages” should have a fixed width of 1024px together as seen in the picture.
Hint: Wrap the navigation and main content inside another HTML tag as well as “Latest messages”.
- The navigation and main content should be centered.
- The content inside the header and footer should be contained within 1024px as seen in the picture. I.e. not be wider than 1024px.

Extra requirements

Again, in order to get a full grade for the assignment you will need to implement the following requirements.

- `<html>`, `<head>`, `<title>`, and `<body>` are mandatory
- all tags must be properly nested
- all tags are in lowercase (`<h1>` instead of `<H1>`)
- all tags are properly closed, and empty elements have a trailing slash
- (``, and ``)
- all attribute values are properly quoted (`` instead of ``)
- all attribute names must be in lower case

Grading

The grading will be as follows.

- Valid “Layout requirements” 15%. Normal document flow, content main content is centered and within the requirements, header and footer 100% width, etc.
- Valid “Extra requirements” 25%. Passes validation depending on DOCTYPE, uses semantically correct tags, etc.
- Valid CSS: 25%. Passes validation, correct use of selectors, minimal extra markup required, such as div's, span's, class and id declarations.
- Looks same or very similar as the original: 25% (colors, fonts, margins, paddings, backgrounds, layout etc.)
- Multi-browser support: 5% (2 browsers is enough - see above)
- Main content above other columns in the markup: 5%

Hand in a single archive file containing the .html file, the .css file, and any accompanying images. The deadline for this assignment can be seen on myschool.