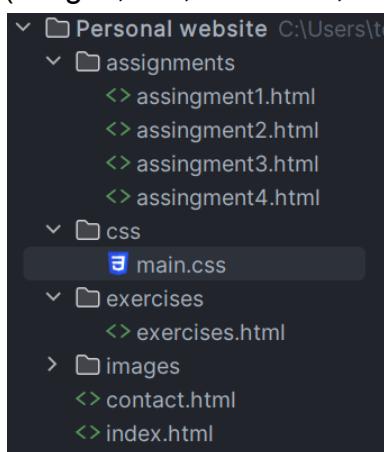


My idea for the final portfolio is to create something I will have use for both now and in the future, particularly when searching for work. A portfolio is an essential tool for job seekers in the IT industry, as it provides an opportunity to demonstrate practical skills and showcase projects. While a CV might list my qualifications, a portfolio website serve as proof of my abilities—showing not just what I know, but how I can apply that knowledge in a real-world context. Even though I don't yet have much to showcase beyond the assignments from this course, this project represents a strong foundation to build on.

When planning this portfolio, I wanted to create something that felt professional, functional, and personal. I envisioned a website that reflects both my technical skills and my identity. By starting with a clean layout and a simple, intuitive design, I aimed to make the site easy to navigate for potential employers.

I chose to focus on functionality and future-proofing. The site satisfies the course requirements, but I intentionally designed it with scalability in mind. For example, the clean structure I created makes it easy to add new projects or blog posts later. My goal is for this portfolio to grow alongside my skills. In the future, I plan to include personal projects, coding challenges, and links to my GitHub repository. This will make the portfolio not only a visual showcase but also an evolving record of my progress and learning journey.

So I started making the structure (the functional part) the structure to work out from. I make the directory and all the necessary files, all the .html, .css and the subfolder (images, css, exercises, assignments, ...)



The next thing I wanted to do is to make a sort of baseplate HTML structure which every single page would start out from. This will make my website look organized and well thought out. So in short i made my *index.html* look as i wanted it, with navigation bar at top, and a sort of information thing at the bottom (as most websites have).

The Bryggen theme for my website wasn't just a random aesthetic choice. It holds deep personal significance for me as a Bergen native. Bryggen, with its iconic red and yellow hues, is a UNESCO World Heritage site and a symbol of history, culture, and identity for our city. By incorporating its distinct palette—two shades of red, two shades of yellow, and white—I wanted to create a connection to my hometown while also showcasing a part of my identity. (I am quite patriotic about where I come from.) Matching these colors proved to be a challenge, as I couldn't find official codes despite reaching out to the municipality. I ultimately used online tools to sample similar tones from photos of Bryggen, carefully integrating them into the CSS for consistency.



(Illustrative photo)

I tried and did come in contact with the municipality to get the exact colour codes, but they didn't have them and unfortunately the ones that maybe did never got back to me. So i had to make do with finding colour that look almost the same.



Outline of "Bryggen" in the colour of one of the buildings used as a footer on every page.

I then added all the assignments and made them viewable on the website. And for the coding assignments I used *iframe* to load the assignment onto the portfolio website.

Assignment 2

Below is a live preview of Assignment 2:



Dette er den største satsingen i ny langtidsplan og vil gi en betydelig styrking av [Sjøforsvaret](#). Vi trenger et sterkt sjøforsvar som kan være tilstede i våre havområder og forebygge konflikt og ivareta norsk innflytelse og handlingsrom, sier forsvarsminister [Bjørn Arild Gram \(Sp\)](#).

Nye fregatter og maritime helikoptre med anti-ubåtkapasitet – Den mest kostbare enkelsatsingen i langtidsplanen er kjøp av minimum fem nye fregatter med anti-ubåt helikoptre. Dette er en svært viktig investering for å ivareta Norges betydelige maritime interesser. Fregattene skal anskaffes, driftes og vedlikeholdes i et strategisk partnerskap med en nærliggende alliert som har sammenfallende strategiske interesser i våre nærområder, sier Gram. Regjeringen legger opp til en rask beslutning om valg av strategisk samarbeidspartner.

Et slikt samarbeid reduserer ulemper ved å stå som eneste bruker av et avansert, høyteknologisk kampsystem. Fregattene må kunne seile og operere kontinuerlig i hele Norges interesseområde. – Å ha kontroll på hva som skjer i våre havområder er Norges kanskje viktigste oppgave i [NATO](#). Det er avgjørende for Forsvarets oppgaveløsning at fregattene kan gjennomføre anti-ubåtoperasjoner.

I made a neat dropdown menu which I got the initial code from W3Schools, but had to change a lot to make it fit and function to my specification.

Also went back and fixed a small error in my code for assignment 4 so it worked as intended.

I then finished the Exercise part, similar to the assignment 2 and 4 i used iframe (as seen on image above).

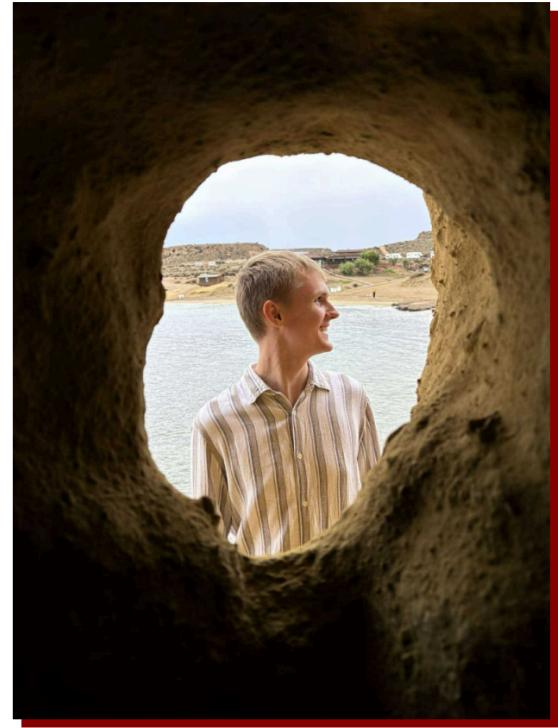
I then started doing the layout on my landing page. I was thinking a simple photo with some text, then the “Get to know me” would have more detailed information about me.

👋 Hello, I am Tobias Mellum Jondahl.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.



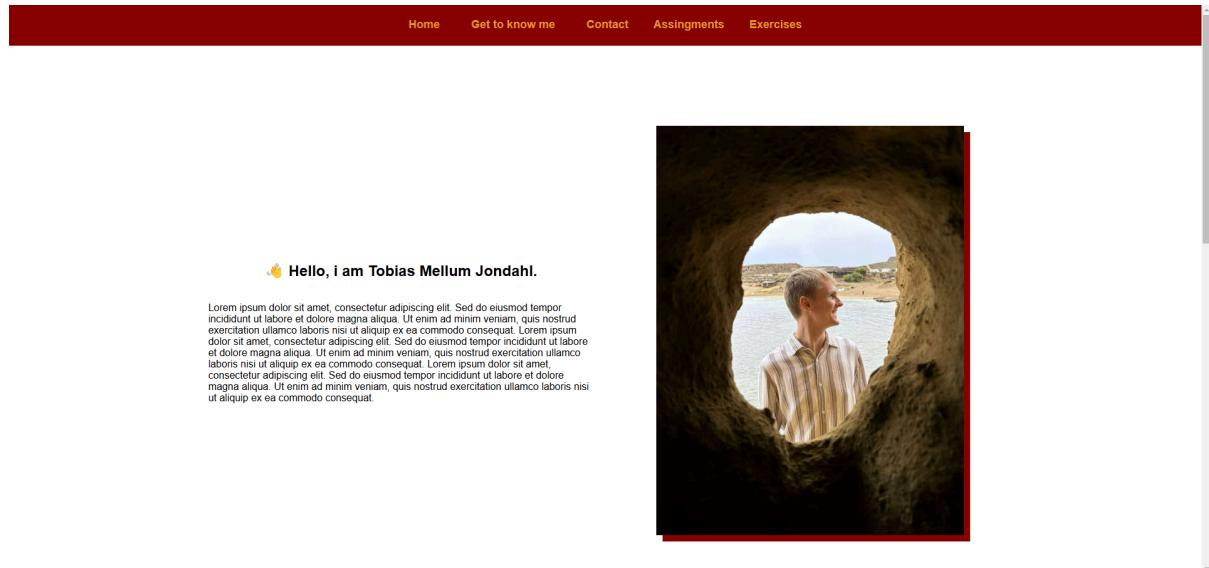
but to make it look a bit more professional I wanted a shadow box behind the photo. I decided to do it with SVG as it was more simple and would always look great since a photo could be janky to work with (experience from assignment 4).



 Hello, I am Tobias Mellum Jondahl.

(result of SVG shadow, looking amazing)

I then used a lot of wasted time trying to get the second div containing the image and svg to be centered inside the second div (which i didn't manage to do), i also increased the gap between the divs (which made the same effect i was trying to do anyways). Also made the picture 20 % smaller to look better



I then made it so the outline of the bryggen is a part of the footer instead of being the last on the main, simpler for coding in main and logical as it was a part of the footer anyways.

When I was happy with the layout with the landing page I wanted to complete the contact page since it is quite easy with a simple email contact and a map of my address. So I started to create the structure for the map and contact application.

and after some CSS.

you can see the idea, but i am not happy with the finish, the contact me is not proportional on the sides, and the map is too big. But I wanted to go back and write on the landing page. I jump around since it's exhausting to work on the same page when I kind of hit a wall, so I go work on something else and then come back. This also gives me "fresh" eyes to see and critique my work and make it even better.

I also have a plan to make it so when my landing page picture of me is hovered i turn to the camera (a bit personal, but hopefully gives a nice human touch)

I wanted more on the landing page, and since it was a portfolio page I wanted something more about my experiences within coding, so I created a similar section

like the one above to show and illustrate my skills. So I first went for some text, with a list of coding languages and skills, with different logos to illustrate each one (HTML, SQL, CSS and Python). But the text with the list seemed a bit out of place, so i removed it keeping the list and the header. So it's a "minimalist" but still shows my experience.

My Skills & Experience

- Python
- HTML & CSS
- SQL
- System Development & Information Systems



I also used greyscale() to make the logos more monotone and not stick out, since I have often seen that on a lot of different business and portfolio websites.

I then used chat GPT to help me create a text for the "Get to know me" site, the reason to use GPT and not make a real and detailed text about me and my life/how i became who i am today, is simply not enough time. I planned a more detailed and correct text, but that will have to happen in the future, when I am hopefully using this version of this portfolio website to search for jobs. And of course get some pictures in there as well in the future!

So for now the generated text is to show the idea.

When struggling with a `.basic_section` class for section i fucked up the structure allot on almost every page i had, so some section a blank, as they dont need class attributes to do what i want, and those that need specific have specific classes. But with this I learned that a lot of my problems would be solved with a simple padding attribute to the `main`.

At this point I was happy with the look, and solutions I had made. The website now had all that the portfolio for DIKULT105 required, and I also had the elements of a "professional" portfolio website, like the contact with map and email built in. And a clean and simple landing page.

Only thing I had not yet made was the hover effect on the picture of me which I have mentioned earlier. i Found a way to implement something similar on W3 Schools and altered it to fade in a picture instead of text. This made it so that I had to change the code/logic for how I built this up, since the `.intro_imagebox` collapsed due to the absence of explicit height or content dimensions.

So to resolve this, I applied the following changes:

- Defined an explicit height and width for the `.intro_imagebox` container to ensure it occupied space on the page, regardless of its children.
- Ensured all child elements, including the image and shadow, matched the container's dimensions using relative sizing (e.g., width: 100% and height: 100%).

I then did the same for the svg shadow and since the size now was the exact through the `.intro_imagebox` container, and since they were all exactly the same size the position and size was exact same over different screen resolutions, so by “accident” it made my code even better.

When I uploaded the whole project to the Turing server, I checked everything was working as it should. The only problem I found was that the CSS for the first web page I created for my classmate did not load properly. But the code was correct so I don't know why. It firstly linked wrong, but after fixing that it still didn't work. Everything else worked fine and loaded their CSS fine.

👋 **Hello, I am Tobias Mellum Jondahl.**

I am an IT student at the University of Bergen, passionate about creating the digital solutions of tomorrow. With my bachelor's degree soon completed, I am eager to explore opportunities in the job market.

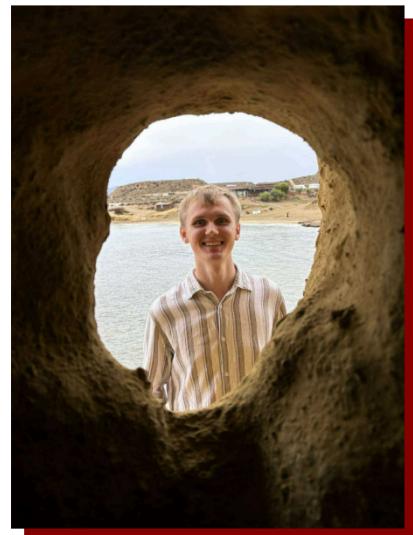


Illustration to show the effect of the hover.

By having the image transition when hovered, I aimed to engage the viewer and give a subtle ‘human touch,’ which I believe is important for a personal portfolio. Implementing this was trickier than expected.

I then started doing the breakpoints for the different sizes, the sizes I chose were tablet and mobile. Because they are the most likely to be used other than computers, the second reason is also that my website should be okay with higher/bigger screens since I have used view height (vh) and view width(vw) on a lot of the code, so they should automatically adapt.

The biggest difference I had to make was for the mobile, since the sections with 2 horizontal divs would be too small, so I had to change those to vertical. And some simple pages like “Get to know me” didnt need much adjustment since they were super simple and would adapt great or okey over to different screen sizes.

I then checked my code in HTML and CSS validator. I went over and fixed the ones in my HTML code (Mostly forgetting alt text) and had no errors in CSS.

One challenge I faced during the process was deciding what content to include. As someone still early in my coding career, I realized I don't need to have a long list of projects yet. Instead, I focused on demonstrating strong foundational skills, clean code, and attention to detail. The site is an opportunity to show what I've learned so far and illustrate how I can apply that knowledge in a professional way. It also allowed me to experiment with features like responsive design and interactive elements, such as the hover effect on my photo, which adds a personal touch.

Through the entire process i have learned allot, and everytime something fucked up in a major way i learned why and how to negate it in the future. So hopefully the next website i make will be of even better quality than this one (And built more correct and uniform in logic).

The portfolio also gave me an opportunity to reflect on my design decisions. For example, I selected a color palette inspired by Bryggen in Bergen, connecting the site to my hometown and personal identity. This small detail highlights my ability to create websites with a clear theme and purpose—qualities that are important in user-centered design.

Hopefully you can understand my vision, and see the relation between what I planned and wanted to make, and the reality of what my abilities were able to make.