

Lappeenrannan teknillinen yliopisto

School of Software Engineering

Software Development Skills Front-End, Online course

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LEARNING DIARY Video lectures

Date : 19.5.2025

Activity : Video lecture **Introduction and Base HTML** [[0:00](#)].

Learning outcome: I learned how I can find and use fonts from Google fonts. How to setup the VS Code environment for these coding needs. Also learned some basic HTML.

Date : 19.5.2025

Activity : Video lecture **Links and Core CSS** [[19:20](#)].

Learning outcome: CSS coding: paddings, coloring text. How to create base homepage with buttons. Own variables were important because I wanted to test different colors and the video did show me how to save them with unique names.

Date : 20.5.2025

Activity : Video lecture **Buttons & Utility Classes** [[31:00](#)].

Learning outcome: Creating buttons was not too hard with help of the video. Editing buttons becomes familiar day by day. Utility classes were weird first but the video told I could use them again therefore it made more sense and I think quite helpful in the future.

Date : 21.5.2025

Activity : Video lecture **CSS Grid & Cards** [[56:00](#)].

Learning outcome: I learned how to create card-style sections for a webpage. It wasn't too difficult because the video provided clear instructions. CSS Grid was also manageable and the layout looked great once I implemented it correctly. <https://favicon.io/favicon-converter/>

Date : 22.5.2025

Activity : Video lecture **FAQ elements** [[1:12:20](#)].

Learning outcome: The interactive accordion element was interesting because it was the first element that responded to a click. HTML wasn't too difficult, especially with the video tutorial helping - I started to understand what was happening and what might come next. CSS also began to feel more comfortable since many commands are used repeatedly. JavaScript reminded me of Java, and I understood more than I expected. Since the footer used a grid layout, I gained a better understanding of how that works.

These videos give me an idea of how much I should add margins and padding to make it look good. I've tested with different values, but the values in the video are better in my eyes most of the time.

Date : 22.5.2025

Activity : Video lecture **Mobile Menu & Responsiveness** [[1:47:05](#)].

Learning outcome: Making a hamburger menu is not too hard. I have to be more careful with spacing since it still causes me problems. Media queries were interesting since I can choose what and how elements are shown when window is specific size. Especially the grid elements were very easy to stack one single column which looked very good.

Date : 26.5.2025

Activity : Video lecture **Website Deployment** [[Part 7](#)].

Learning outcome: I learned how to deploy a website using GitHub Pages. The video provided a step-by-step guide on how to do this. First, I needed to create a GitHub repository and push my files there. Then, by running **npm install gh-pages**, I could install GitHub Pages. However, in my case, the process didn't go exactly as described in the video, but I managed to work through the issues. (More details in my Learning Diary, Day 6.) I created a package.json file similar to the one shown in the video. By running **npm run deploy** in the terminal, the website was successfully deployed.

Not a course lecture

Date : 7.6.2025

Activity : Video lecture **Learn CSS Animation In 15 Minutes** [[Learn CSS Animation In 15 Minutes](#)].

Learning outcome: I learned how to create simple animation for my course project. By using keyframes, I can define position of a selected item at different points in the animation. The video tutorial demonstrated how the cubic bezier editor in developer tools can help creating unique movement curves, making the animations look smoother. The tutorial was really good and I would recommend it to others.

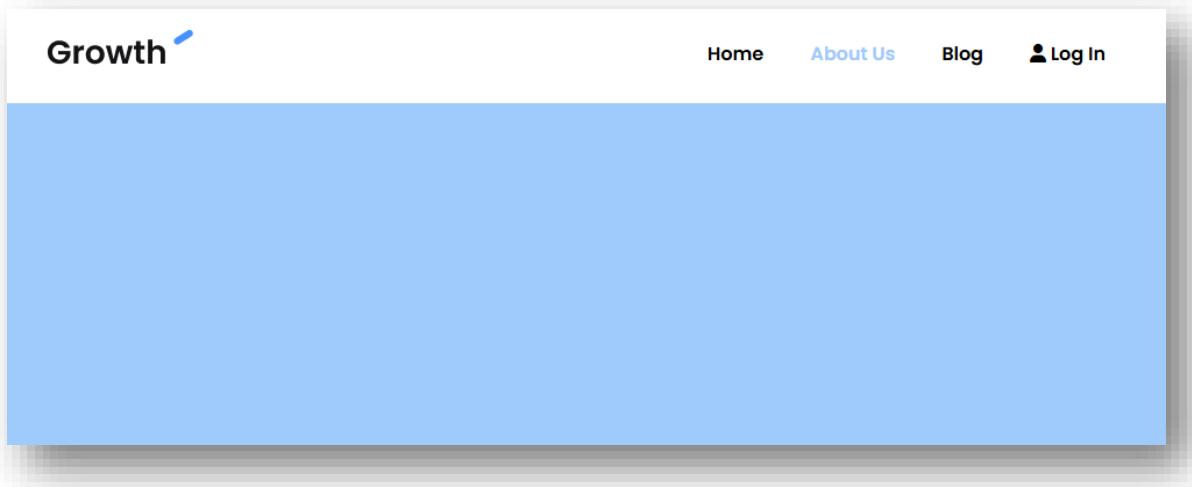
LEARNING DIARY

19.5.2025 Day 1

I read Course overview and went straight to environment setup. I already had Git installed but it was older version so I decided to install it again with newer version. Bitbucket was a new tool, but with a quick glance, it looked similar to GitHub and seemed easy to use. I created a new public repository. After that I decided to boot up my VS Code test can I clone that repository to VS Code. I used CTRL+ SHIFT+ P and wrote clone and pasted my repository url. After that, I entered my Atlassian password and email into VS Code, but it didn't connect. Maybe I entered them incorrectly, but there was another option to authenticate via the browser. This worked instantly. I made a test commit, and it worked.

In a first day I did first two tasks in the Module tasklist. The first module was quite challenging to understand because I had close to a none experience in HTML. I installed two extensions: *prettier* and *Live server*. The second module was more familiar and easier to understand. It reminded me of Android Studio, especially with the paddings, colors, and margins. I really liked testing how modifying those affected to the web page.

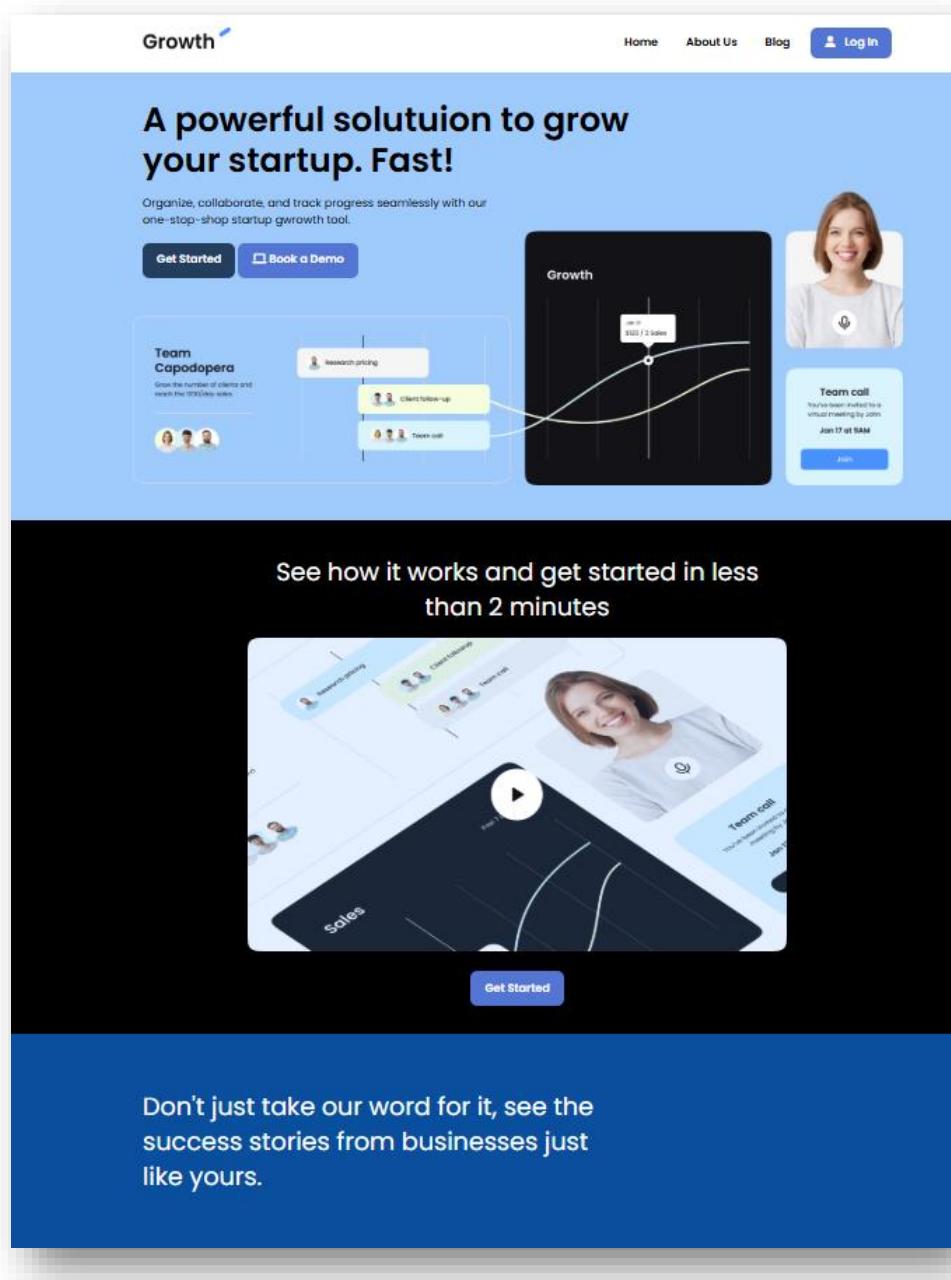
The following picture shows how the webpage looks after day 1.



Webpage after day 1

20.5.2025 Day 2

I watched the next part of the video and followed along. I also disabled the Prettier extension since I didn't feel the need for it at the moment. The video showed how using padding removed the ugly white line between the black and dark blue sections. It only took a couple of lines of CSS but made the overall design look much better. Also, utility classes are becoming really useful as the website grows. They save time, especially when I don't have ready-made text to use.



Webpage after day 2

21.5.2025 Day 3

I started as usual by watching the next part of the video lecture. I successfully created the card-style testimonials and the pricing section. I especially like how the pricing section's cards turned out. However, I encountered a problem and haven't figured out the cause yet. I tried to follow the video instructions exactly, but for example, I couldn't change `.video-preview` to `.video.video-preview`. I also had a few spelling errors, but finding and fixing them helped resolve some issues.

The screenshot shows a dark blue header section with three testimonial cards. Below this is a light blue main content area with a title and two pricing plans.

Don't just take our word for it, see the success stories from businesses just like yours.

Katherine Smith
Capodopera

"Our businesses has seen a significant increase in productivity since we started using the Growth app."

Jonathan Lee
Red Bolt

"As a small business owner, it's important to have a tool that can help me keep track of everything. The Growth app has been a lifesaver for me, allowing me to manage my contacts, schedule appointments, and track progress all in one place.."

David Wilson
Slide

The dashboards and reporting feature has provided valuable insights into our performance and helped us make data-driven decisions. It's a game changer for us."

Pricing

Start free and scale while you grow. No hidden fees. Unlimited users for free.

Simple
Keep track of your contacts, gain valuable insights, analyse live data and performance metrics.

Free *No credit card needed

✓ Real-Time Monitoring
✓ Track key performance indicators
✓ Schedule appointments
✓ Organize, delegate and keep track of tasks

Get Started

Premium
Keep track of your contacts, gain valuable insights, analyse live data and performance metrics.

\$49 /month

Everything from the free plan plus:

✓ Data driven decisions
✓ Data visualization
✓ Schedule appointments

Get Started

All prices are in USD and charged per month with applicable taxes added at checkout.

Webpage additions after day 3

22.5.2025 Day 4

I accidentally solved yesterday's problem while working on the next tasks. I needed to add extra space between the `.video` and `.video-preview`. I guess I should be more careful with spacing in the future.

I wanted to use the new X logo instead of the old Twitter logo when doing the footer. First, I tested if `<i class="fab fa-x"></i>` to see if it worked, but it only displayed the letter 'x'. I googled whether a new logo was available, and fontawesome.com told that `<i class="fab fa-x-twitter"></i>` was the correct option. That site looked like a good resource for finding logos I could use in the course project.

Creating the accordion was interesting because it required JavaScript. It had some similarities to Java, especially in how functions are called. Additionally, `addEventListener` reminded me how `ClickListener` works in Java. It was not too hard to understand but I need more practice on that.

The screenshot shows a webpage with a light gray header and a white main content area. At the top, there is a title "Frequently Asked Questions" and a navigation bar with three tabs: "All" (highlighted in blue), "Getting Started", and "Pricing". Below the navigation, there is a list of six FAQ items, each consisting of a question and a detailed answer. To the right of each question is a plus sign (+) icon, which likely indicates that clicking it will expand the question to reveal its corresponding answer. The questions are:

- How does the contact management feature help me keep track of clients and partners?
- Can I customize the dashboards and reporting feature to display the metrics that are most important to my business?
- How does the task management feature help me delegate tasks to my team and track progress?
Lorem ipsum dolor sit amet, consectetur adipisicing elit. Incidunt, aliquid quaerat, voluptatum. Animi molestias ex quasi explicabo minima perferendis commodi.
- Can I collaborate with my team in real-time using all tools?
- Is the app available on all devices?
- How does the app help me stay compliant when working with freelancers and contractors?

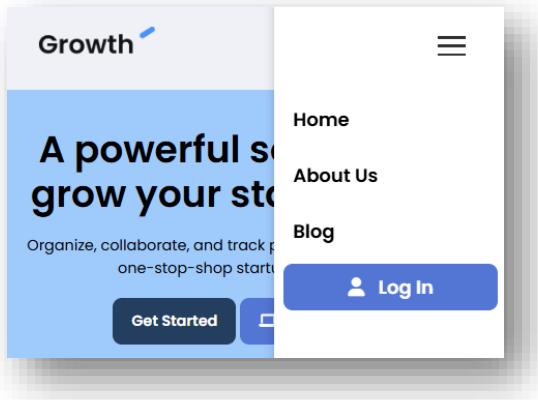
At the bottom of the page, there is a dark footer section with the word "Growth" in white. It contains a newsletter subscription form with fields for "Enter your email" and a "Subscribe" button. To the right of the form, there are links to "Company" (About Us, Our Process, Join Our Team), "Resources" (News, Research, Recent Projects), and "Contact" (hello@growthapp.com). Social media icons for LinkedIn and X (Twitter) are also present at the bottom of the footer.

Webpage additions after day 4

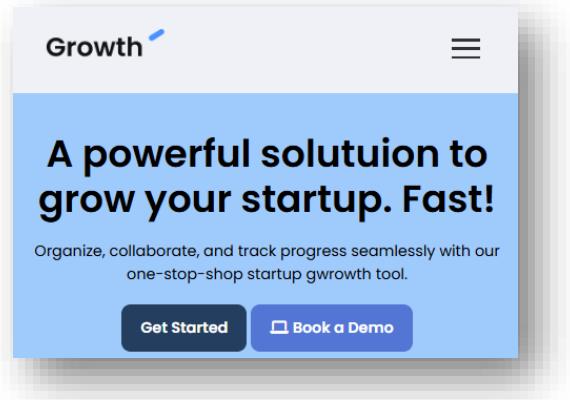
23.5.2025 Day 5

I had problem with the hamburger menu because it didn't show up. I had to watch the video tutorial couple of times and then I noticed my window was too big so the hamburger menu didn't show up. 😅

After I also had problem with the hamburger menu not opening and closing when clicked. I forgot to remove **right: 0px;** from the **.mobile-menu class** in the CSS file and after that it worked. I liked testing how different window sized affected the look of the web page elements. It is important to set those media queries maybe even more than the video tutorial did. I opened developer tools of the web page by F12 and tested how the web page looked if the window was much smaller and it was a mess.



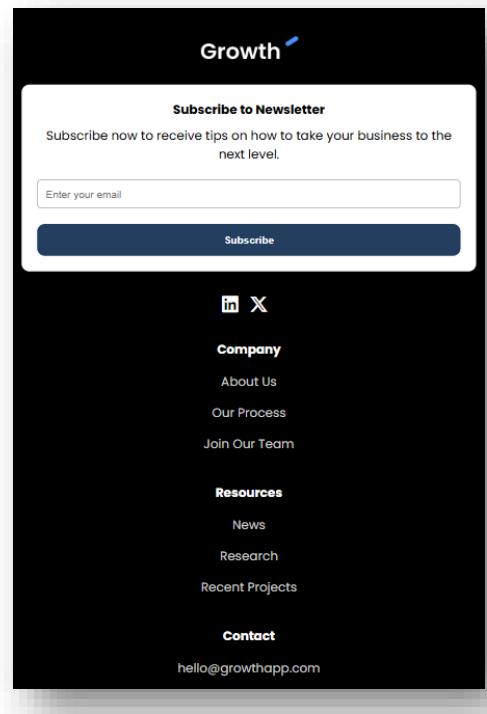
Hamburger menu open



Hamburger menu closed



Footer small window



Testimonials small window

26.5.2025 Day 6

It was confusing since the course guided me to use Bitbucket and now GitHub when deploying the website. I created a new repository on GitHub and copied all the work from Bitbucket and placed it on GitHub. From Pages I had to set the branch to gh-pages and Source to Deploy from a branch. I had problems with the npm since VS Code did not find it on my pc. I had to download it and set it as an environment variable. After that I needed to create a package.json file and I found tutorial here: <https://weaintplastic.github.io/>. After that I followed the video and managed to deploy the webpage that can be accessed at the following link: <https://jugezu.github.io/Front-end-web/>.

Project starting

27.5.2025 Day 7

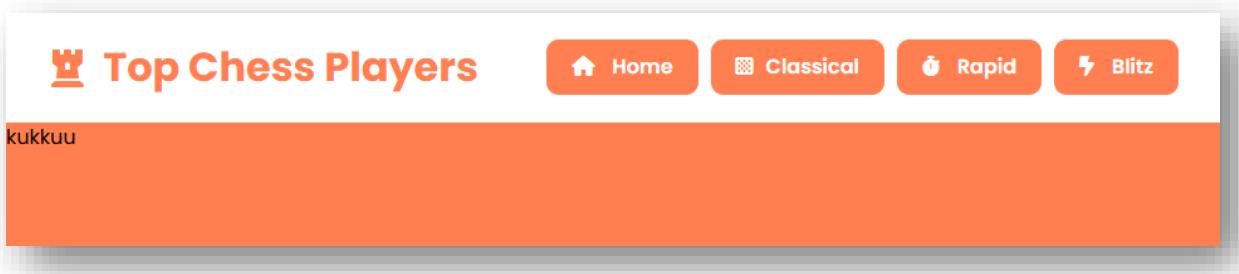
I started working on a course project. I didn't do much, but I created new files and folders for the project and wrote a few lines of HTML so I could test what colors, fonts, and images I could use. I tested using a favicon converter to create a new favicon from an existing image I made.

28.5.2025 Day 8

I had an idea to create a chess website showcasing the top 10 players in classical, rapid, and blitz formats. Initially, I considered designing a Figma file, but I soon realized it would be unnecessary since I already had a visual concept in mind and the design was going to be simple.

Most time I spend on looking for Creative Commons images I could use and, it took much longer than I expected. I also created a new favicon. I found that Font Awesome has a chess rook icon and I wanted that as my favicon. I took a screenshot and removed the background using Remove.bg since my Gimp wouldn't open. Here is a link to Remove.bg: <https://www.remove.bg/>

In the evening, I wanted to start adding buttons and I managed to create buttons and logo for the website. Aligning the rook to the center was challenging because for some reason it kept to staying on the same line as the text. This made the rook look out of place. [Stackoverflow](#) helped me to find a solution to move the image up. Next, I needed to check how many pixels were between the navbar and the rook since I wanted to make sure it would be centered. I took a screenshot and opened it on Paint and concluded that I had to move the image 5 pixels up (`top: -5px;`).



Project starting, Day 8

2.6.2025 Day 9

I created footer but so far I don't know what should I put there to make it look less empty. After that I created a new files for the Classical section of the website and copy pasted most of the stuff there from the original index.html so I don't have to write all over again. I made a grid where the chess players are placed and finished the style, I want them to look. I wanted to add flags and I found a website that allowed me to do so. (flagicons.lipis.dev) It was similar how Font Awesome worked and the was easy to implement and use.

#1 Current Rating: 2836

WARD // FINANCE

Name: **Magnus Carlsen**

Age: 34

Federation:

Peak Classical Rating: 2882 – May 2014

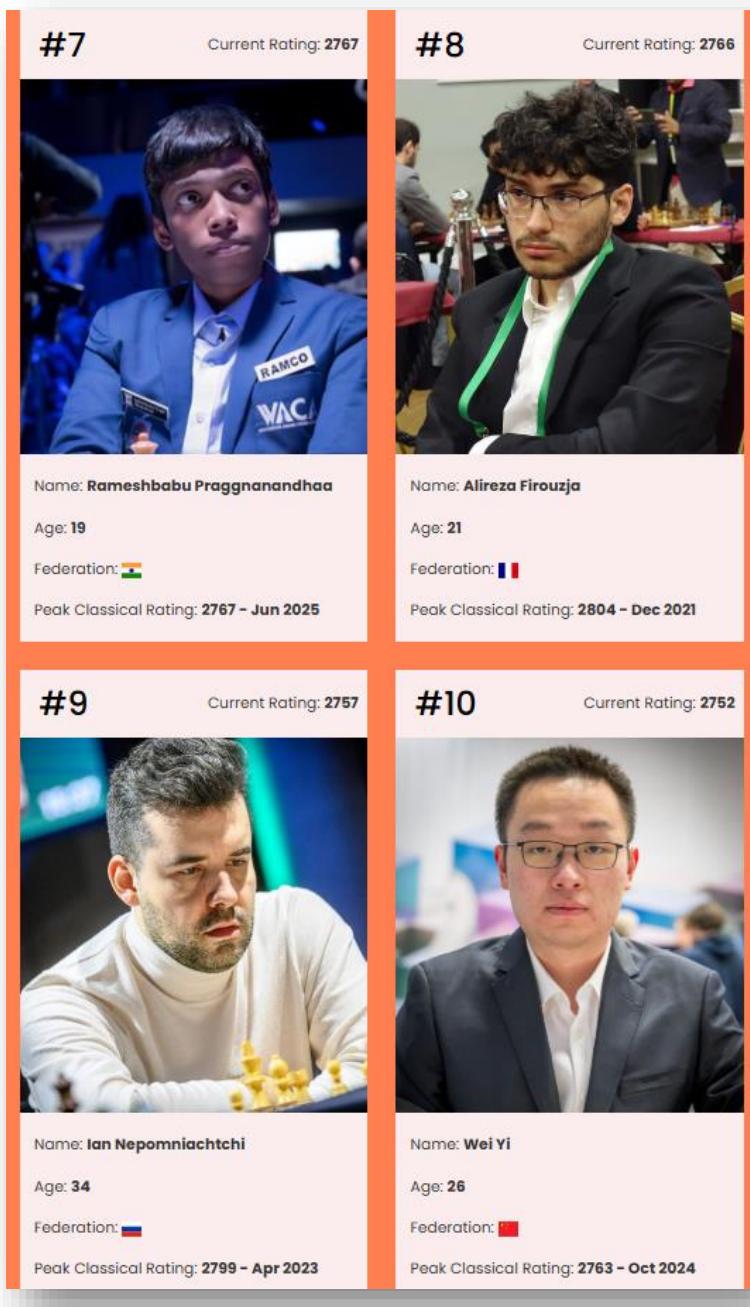
Give us ideas on what we could add to the website!
Send your ideas at juho.koski@student.lut.fi

Second project day, Day 9

3.6.2025 Day 10

I created additional cards and realized that I needed to resize my images. I discovered [bulkdesign.app](#), which allowed me to resize multiple images at once. It was simple to use and suited my needs perfectly. Now that all the images are the same size, duplicating the cards and updating player information is much easier and faster. I created rest of the cards and now the list of top 10 classical players is done.

I decided to remove images I am not going to use making the project files cleaner.



List of classical players done, Day 10

4.6.2025 Day 11

I decided to continue working on the footer and wanted to add underlined text but wasn't sure how to do it. I searched and found [geeksforgeeks](#) tutorial explaining that it works like this: <u> Underlined Text </u>. I also added 'About Us' and 'Image Rights' buttons to the footer. The 'About Us' section works similarly to how the FAQ worked in the coursework. Additionally, I uploaded new images for the rapid and blitz sections.

6.6.2025 Day 12

I added Font Awesome effects on a couple of icons but wanted to shorten the animation time. Font Awesome has documented these well at: [fontawesome.com/web/style/custom](#). I found what I wanted which was **--fa-animation-duration**. The animation was too fast and now I can change its duration. I copied classical.html and created new rapid and blitz sections from it. I also created an extra info section in rapid section that opens when a jumping crown is clicked.

The screenshot shows a chess rating website interface. It features two main player cards side-by-side against an orange background.

Left Player Card:

- Peak Rapid Rating: **2873 – Nov 2019**
- A yellow crown icon.
- Extra info**
- Volodar Murzin** won the 2024 World Rapid Chess Rapid Championship without losing a single game, defeating several world's elite players, including Hikaru Nakamura, Fabiano Caruana and Praggnanandhaa Rameshbabu. At just 18 years old, he became the second-youngest player ever to win the title surpassing Daniil Dubov's 2018 record at age 22. He fell just short of breaking Nodirbek Abdusattorov's record, who won the title at age of 17 in 2021.

Right Player Card:

- Peak Rapid Rating: **2853 – Jun 2019**
- A yellow crown icon.
- #60** **Current Rating: 2637**
-
- Name: **Volodar Murzin**
- Age: **18**
- Federation:
- Peak Rapid Rating: **2659 – Mar 2025**

Footer:

Rapid ratings updated: 6.6.2025

Extra section open, Day 12

7.6.2025 Day 13

I started working on the Image Rights section and added links to the licenses for the pictures. By default, links open in the same window, but I wanted them to open in a new one. I found the solution on [w3schools.com](https://www.w3schools.com). I only had to add **target="_blank"**.

I also included links to all the images I edited and their respective licenses. Setting them up took several hours because a download button I added wasn't aligned properly. It took some time, but I finally got it right. Additionally, I discovered that Font Awesome offers Creative Commons icons, which I decided to use.

I created a mobile menu similar to my course project. I also implemented media queries, though I'm unsure if I included enough of them. Initially, I wanted to add an animation but didn't know how to approach it. Fortunately, I found an excellent tutorial on YouTube, ([Learn CSS Animation In 15 Minutes](#)) which helped me achieve my goal.

In the animation, a rook moves along a line from left to right and changes color from black to white when it reaches the end.

The screenshot shows the homepage of the "Top Chess Players" website. At the top, there is a navigation bar with a chess knight icon and the text "Top Chess Players". To the right of the logo are four buttons: "Home" (with a house icon), "Classical" (with a chessboard icon), "Rapid" (with a stopwatch icon), and "Blitz" (with a lightning bolt icon). Below the navigation bar, the main title "Image rights / Copyright & Licensing" is displayed in large, bold, white font on an orange background. A subtext below the title reads: "The website contains Creative Commons images found in Flickr and Wikipedia Commons. All the images used are have been cropped, and the original uncropped versions are available here." Further down, there is a list of chess players with their names in blue, followed by their source and a "Download" link. Each entry has a small chess knight icon above it. The list includes:

- Arjun Erigaisi**
- Frans Peeters, [CC BY-SA 2.0](#) [Download](#)
- Nodirbek Abdusattorov**
- Frans Peeters, [CC BY-SA 2.0](#) [Download](#)
- Gukesh Dommaraju**
- Frans Peeters, [CC BY-SA 2.0](#) [Download](#)
- Praggnanandhaa Rameshbabu**
- Frans Peeters, [CC BY-SA 2.0](#) [Download](#)

Image Rights done, Day 13

8.6.2025 Day 14

I deployed the website which took a while but the learning dairy helped me to do it. I also made finishing fixes such as: media query corrections and ranking updates. The site can be accessed by the following link:
<https://jugezu.github.io/Project-front-end/>

9.6.2025 Day 15

I addressed several issues mostly improving how the website appears on mobile devices. Additionally, I created a simple README.md file detailing how to access the websites and outlining project content.