

Titel of your Project	HabApp. Habit App.
<p>Meaningful "Action Title" that is also a concise project summary. Be catchy and creative, the title should already make the reader want to read the blogpost.</p> <p>Good Examples: "Uni4U — Find your perfect university in Germany!", "HAPPY ROUTES — Get off the beaten path and explore cities by your own rules!"</p> <p>Bad Examples: "Our TechLabs project", "Data Analysis of X", "A Web App for TechLabs"</p>	

Short summary (4-5 sentences)	<p>The aim of our group project was to create a web application, and learning the use of wireframes such as react, programming languages such as HTML and CSS, as well as Javascript and Node.js. We decided to create a habit tracking app - HABAPP -, in which you could post, list, update and delete habits. While learning these coding languages, we also learnt to use CRUD systems, how to make API calls and how to use database services, such as MONGO DB, for our purposes.</p>
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- The first two parts will also appear on your Digital Shaper certificate!

Main section	
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The HABAPP Trip

The following passages ought to give you a brief look into the journey taken, to create a web based application for the TechLabs Web Development track. We would also like to share our experiences of learning in such environment, and how the obtained knowledge was put to use.

June 7th, 2023:

After several weeks of learning coding languages HTML, CSS and Javascript from a screen, I believe most of us were delighted to be able to get into contact with people. The group project phase has started and everyone is keen to put their ideas through. We were put into groups of around 5 members per team. We HAD a really nicely balanced and diverse team - three locals and two from abroad.

June 21st, 2023:

Time is lost, as ideas mount. The first two weeks of our group project were quite unproductive. Event though we met in person, at a beautiful place, it didn't amount to much, indicating that remote work is just as good. At this point the first member went remote for good, and left the project - four members left.

Too many ideas would lead to eternal discussions. Realising that finding a purposeful app is about as easy as finding the purpose of life, we decided upon a habit tracking application and decided to call it „HABAPP“.

June 22nd, 2023:

First lessons learnt. While using Github and setting up a repository for the group to work from, a setup error was made and a little more time was lost. After setting up correctly and getting everyone ready to go, the next errors were silently made. The use of SSH, Secure shell, was recommended ended for the project, though not everyone had done so, adding a few slight obstacles to the workflow.

Communication levels were fair throughout the process so far, though sometimes slack would keep messages back for a couple of days. At times it felt like getting messages via bottle in ocean.

June 24th, 2023:

Trying to organise tasks around showed to be more difficult than initially thought. Many would not find time to work or meet, there was little overview of progress and availability. To tackle this we would start using drawing boards and online calendars, to keep track of ideas as well as our times and how to best plan our meetings.

At this point a little code was written, a slight structure was starting to show. However there were still too many ideas, for features and compositions, which simply had to be narrowed down.

Slowly realising that no-one really knew what the were doing it was time to speak out and come clean. One half of our group had prerequisites in coding, however not in the syntax used for the project, you could say the situation was not ideal. Time was not playing in our favour either. With this new insight of skill level throughout out group, the initial work distribution had to be overthought. Simpler tasks would have to go to less experienced people, etc.

July 15th, 2023:

Everyone is just enjoying summer, we casually say „hi“ on slack, but no word of progress. Realising that our deadline is moving up, we managed to create the first few bits of our front- and backend. A react app was created, a Node.js server was set up. There's actually movement in our repository, which by the way goes by the name „elephantGroup“. After months, the first pushes are finally made.

July 17th, 2023:

Our first, and only object, is created - the „Habit“. Everyone goes and checks it out in awe on Github, though no-one really knows what to do with it yet.

July 19th, 2023:

The first real questions were asked. Problems and issues would be communicated more precisely, leading to more effective problem-identifying and -solving. More and more of the recently obtained knowledge could be put to use, but none of us could confidently use it in practice yet. Obstacles would however still be overcome and progress was made.

July 22nd, 2023:

A miracle tutorial about the MERN stack and Node.js gave the backend an incredible boost it really needed. The application now has CRUD functionality and is connected to a MONGO DB database, all things we learnt to use during the course.

July 26th, 2023:

Many zoom calls, pull requests and tickets later, we're still not getting results. The browser's still empty, even though backend is set up and API calls can be made. Bringing front- and backend together appears to be more challenging than anticipated. We are slowly but surely becoming nervous about whether goals are met.

July 27th, 2023:

JWT token authentication is added to the backend, for demo only however. We did not manage to meet all goals as wished, many functions had to be left out, due to complexity and limited time. However we did learn to set our goals better, and be more realistic about the execution of plans.

July 30th, 2023:

Eternal silence within the slack group chat, is broken by a pretty long message of a member. At first thought, it appeared like a lot happened and we're being told about it. However it was only a warm good-bye to us. Another member has left the group - three of us are left.

August 16th, 2023:

Fast-forward two weeks and we would find ourselves stressing out over the state of our web application. It is still not functional and the necessary components are still not quite done. Another team member has gone silent, leaving us with no choice but to split the work between two people. One front, one back.

September 14th, 2023:

The app is finally done and functional. Incredible relief among the group members. The last polishes are given. Blog and presentation are pretty much winged over. We're happy we made it. Huge Shoutout to Vlady!

Further details	
	<ul style="list-style-type: none">- Names + learning track of all active team members- Lasse Pedersen, Web Development/ Frontend- Maurice Ong, Web Development/ Backend - Names of your mentor- Vladislav Nyzhashchyy