

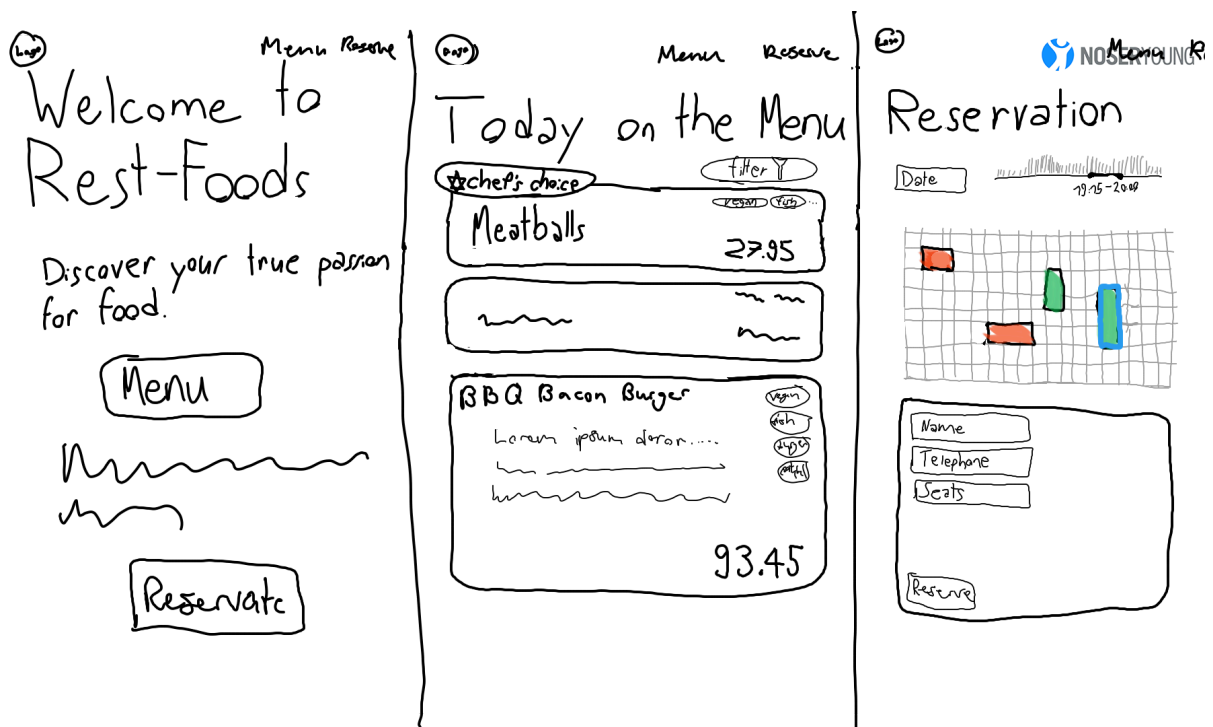
Documentation - Restfoods

Planning

Tech Stack:

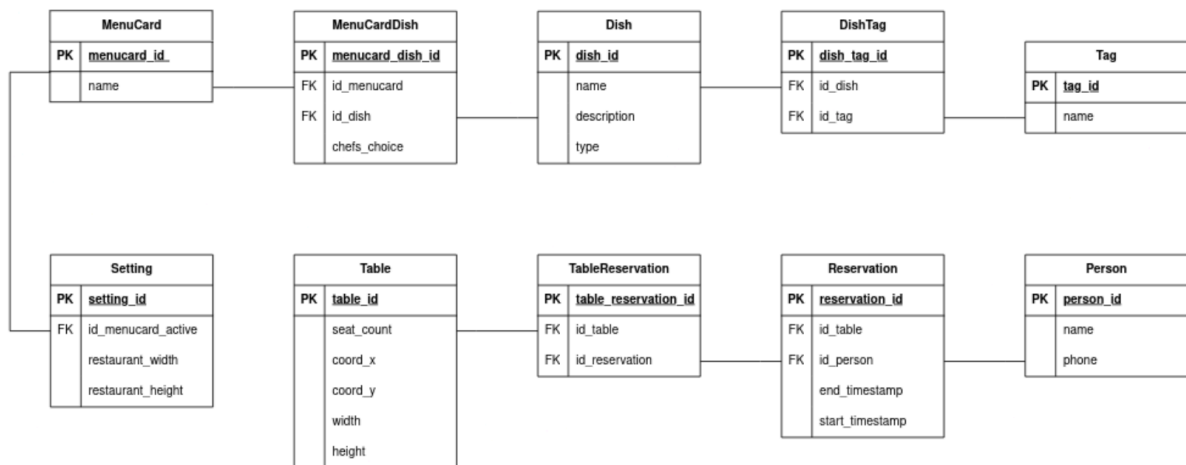
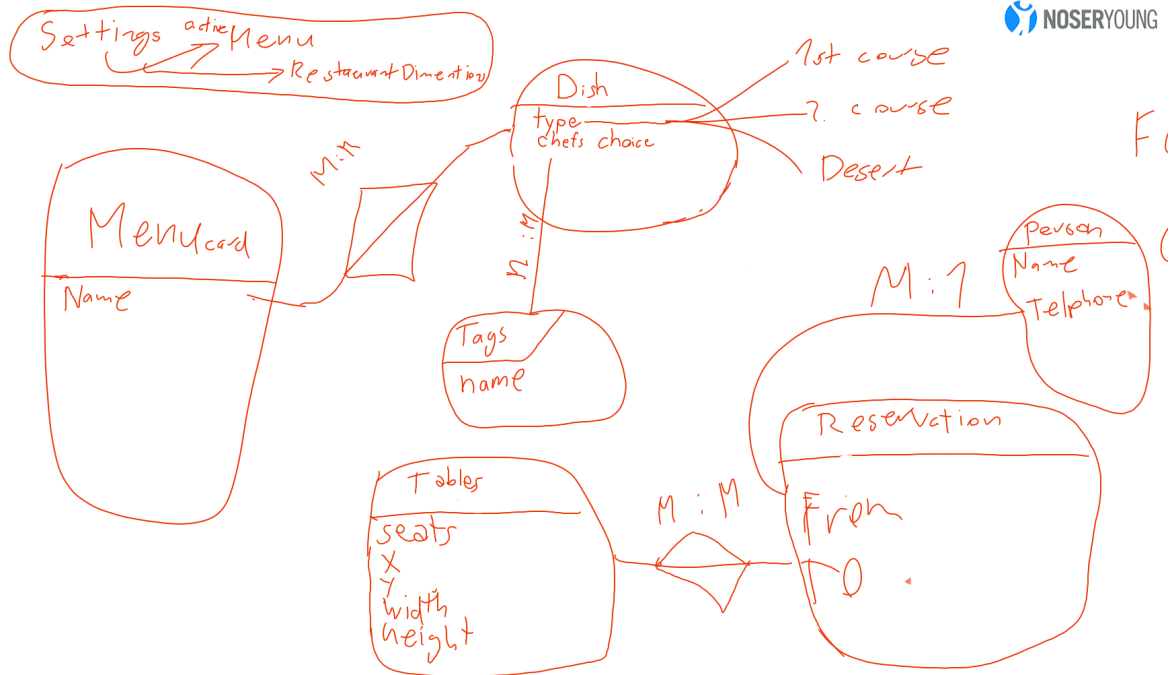
- **Frontend:**
 - Dioxus -> Web UI Framework
- **Backend:**
 - Diesel -> Database ORM
 - Rocket -> Web Framework
 - Serde -> Json Serialize / Deserialize
 - Okapi -> Document endpoints

Design Mockup



Database Schema

Brainstorming



Time Plan

	Mi 12	Do 13	Fr 14	Di 18	Mi 19	Do 20	Fri 21
FL	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Point of no Return

Backend Grundfunktion

Frontend Views

Meeting Protocols:

Abbreviations:

CW: Cyrill Weber

SB: Silvio Brändle

CA: Cédric Ackermann

FL: Florian Martin Löw

June 12th

Current Activities:

All: Planning work and organising in groups. Define tech-stack for the project

Issues & Resolutions:

All: Not all agreed on the functionality the frontend/backend should have

Goals for the Day:

All: get the tech-stack running and plan the following days

June 13th

Current Activities:

CW + SB: Design mockup, learning to know dioxus

CA: Design model of database

Issues & Resolutions:

CW faced problems, when trying to integrate Tailwind CSS, SB redirected him to the documentation.

Goals for the Day:

CW + SB: Implement a basic website written with dioxus

CA: Implement database

June 14th

Current Activities:

CW: Implementing static website

SB: Update models for serialisation

CA: Inform FL about changes

FL: Catch up to the most recent status

Issues & Resolutions:

FL had a lot of merge conflicts, CA was able to help. SB needed the help of the serde documentation because of some errors caused by the serialisation.

Goals for the Day:

CW: Complete the static website

SB: Ensure the models are serializable

CA + FL: Learning to know Rocket

June 20th

Current Activities:

CW: Convert static page to dynamic
SB: Styling dynamic site
CA: Implementing POST-request
FL: Implementing dynamic GET-request

Goals for the Day:

CW: Convert the page fully
SB: Implement the styling
CA: POST for reservation, table and person
FL: Finish all GET-endpoints

June 25st

Current Activities:

CW + SB + FL: Connect frontend to backend

Issues & Resolutions:

CW had problems filtering the dishes, intensive research combined with cookination fixed the problem

Goals for the Day:

CW + SB + FL: Fully integrate the backend into the frontend

Personnel

Florian Löw

Wow, what an exhilarating journey this project has been! I absolutely loved diving into rust once more. It especially allowed me to take advantage of all the knowledge I've built up over the past year. Applying prior knowledge to a new programming language was a thrilling challenge, and it's incredibly fulfilling to see my skills translate over into a real-world application.

Collaborating with Cedric, however, had its ups and downs. There were moments when I felt he believed I was a faster source of answers than google, which made me tone out his voice at times. Nevertheless, this experience was a golden opportunity to sharpen my communication skills and learn how to present my ideas more effectively in front of colleagues.

Regarding our timeline, it felt like we were constantly racing against the clock. The info afternoon, while informative, set us back by over a Day, so did the OCA. A few extra days or weeks would have been a game-changer for polishing our project to perfection. Despite this, I'm thrilled with our end result and the immense learning curve it provided. Overall, this project has been a whirlwind of learning and growth! 🚀

Cédric Ackermann

I personally liked the project a lot, because I was able to use some of the knowledge that I accumulated over the last year. The fact that I learned a completely new programming language is great - it's always satisfying to apply what you've learned in a real-world context. Additionally, I enjoyed the opportunity to work on a tangible project, which gave me a sense of accomplishment as we brought our idea to life.

The teamwork with Florian was sometimes a little bit underwhelming because I was often unintentionally ignored. As someone who is used to collaborating with others, it was challenging for me to feel like my input wasn't being fully valued or considered. That being said, I think that this experience also helped me develop my communication skills and learn how to effectively articulate my ideas.

Regarding the time we had, I think that it was a little bit too short. Paired with the info afternoon where all of us took part, we were behind others in terms of completion. It would have been great to have a few more days or weeks to really flesh out our project and make it even better. Overall, however, I am happy with how things turned out and feel like I learned a lot from the experience.

Cyrill Weber

I really enjoyed working on this project because I learned rust while doing it. But rust was also my biggest challenge because I had to learn it from scratch while working on the project.

I worked with Silvio on the front end. Which was a bit difficult at the beginning because we changed the data structure/model several times so we could not build the site with template data easily. So we built the static pages first. I think it would have been beneficial for us to decide on a data structure/model at the beginning and then not change it, even if it would be a good change.

The communication with Silvio was good when we started to decide in detail what, who, when we do it. So we were not working on the same features.

I think we had too little time because we participated in the info afternoon and also had the OCA test where we needed time to prepare. Also I think a crucial factor was that I did not know Rust, so I needed some time to know our framework and Rust. But I am happy with what we did in the time we had.

Silvio Brändle

I found the project highly rewarding as it allowed me to leverage the extensive knowledge I gathered over the past year. Utilizing the Rust programming language was particularly gratifying—it's always fulfilling to apply theoretical learning in a practical, real-world scenario. Additionally, working on a tangible project provided a sense of accomplishment as we transformed our idea into reality.

Collaborating with Cyrill presented some challenges, especially with both of us working on the same codebase. However, this experience significantly enhanced my communication skills, fostering better teamwork and coordination.

Time constraints were a notable issue. The info afternoon and the OCA exam left us lagging behind others in terms of project completion. A few extra days or weeks or months or years would have allowed us to further refine and enhance our project. Nonetheless, I am pleased with the outcome and feel that I gained substantial insights from this experience.