STU budget

A website for students to search, favorite, and review budget-friendly dining options in Finland.

Group 3:
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Program

1. **Front-End**
   - Sprint 1 Prototype
   - Sprint 2 Product Development
   - Sprint 3 Final Product

2. Back-End
   - Back-End progress
   - Functional Back-End

3. Scrum Process
   - Sprint Planning
   - Daily Scrum
   - Sprint review

4. Summary
   - Improvements

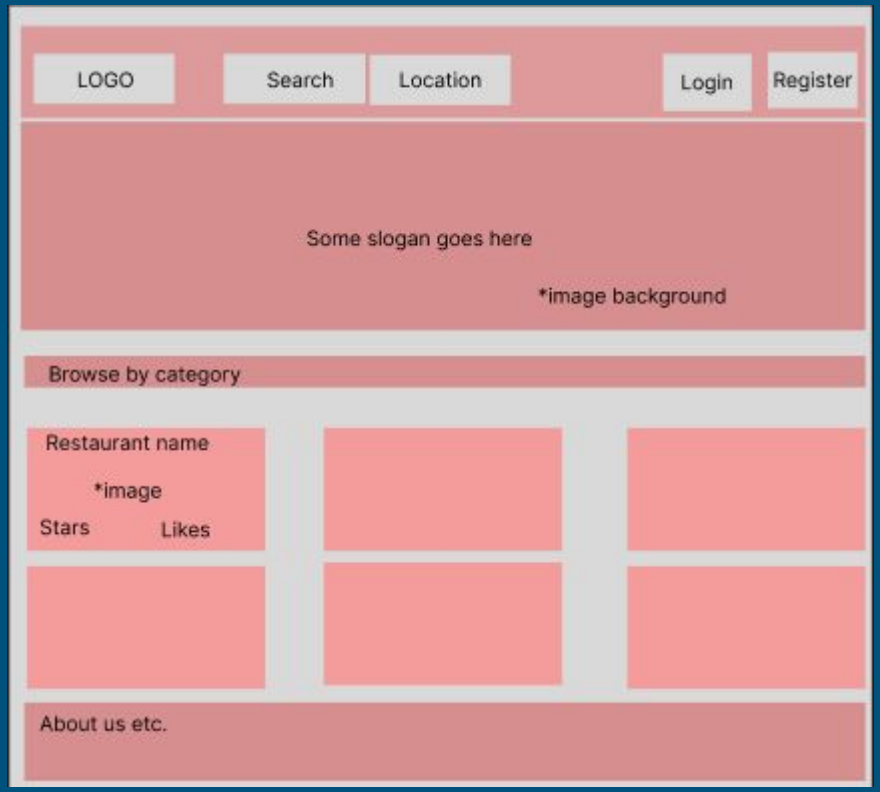
Front-End

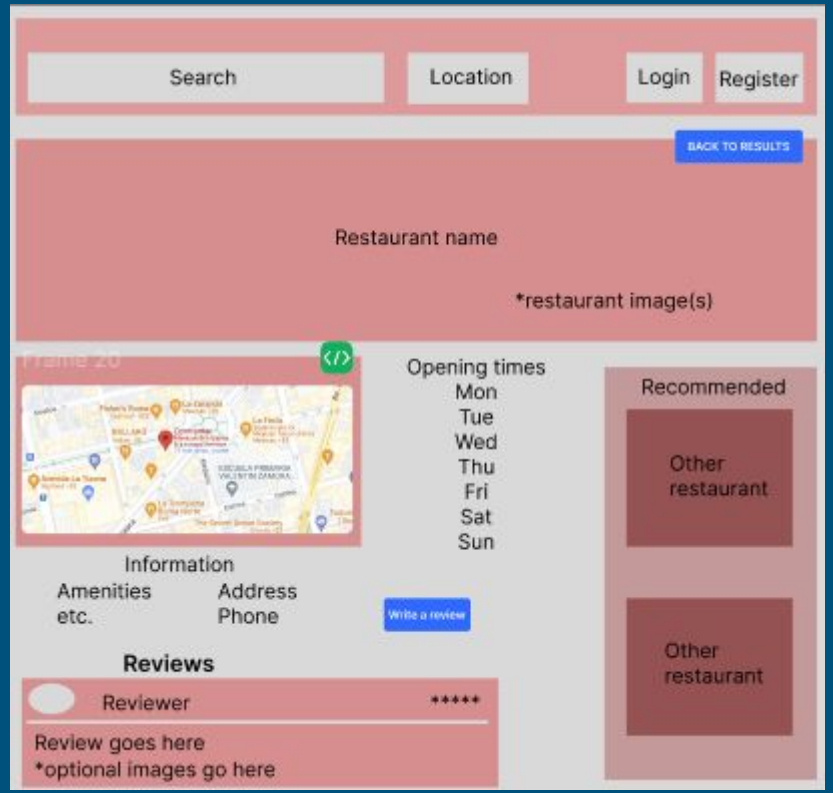
Team Frontend

Suphitcha Pitkänen

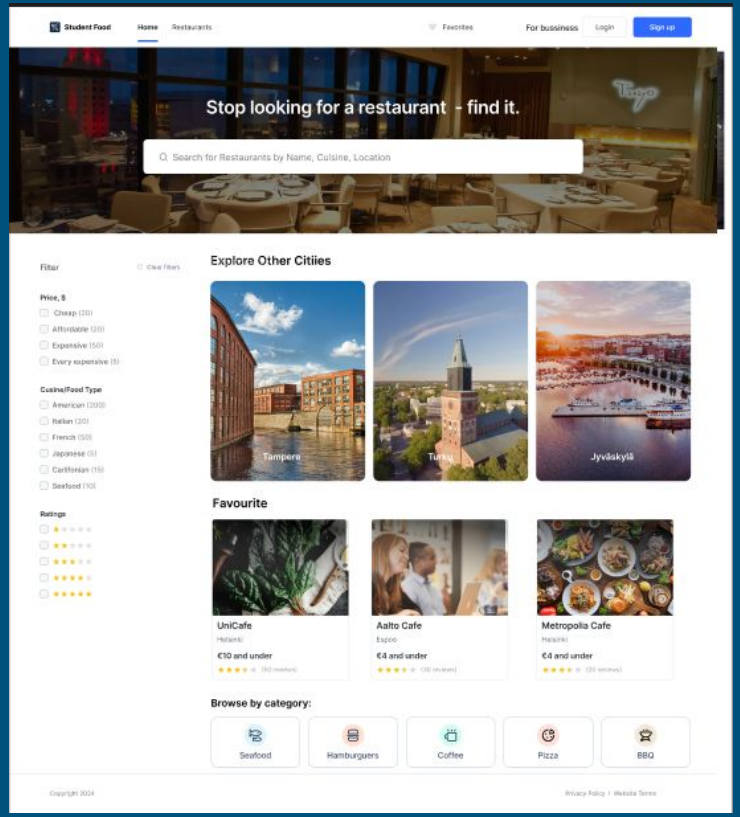
Oleg Ivantsov

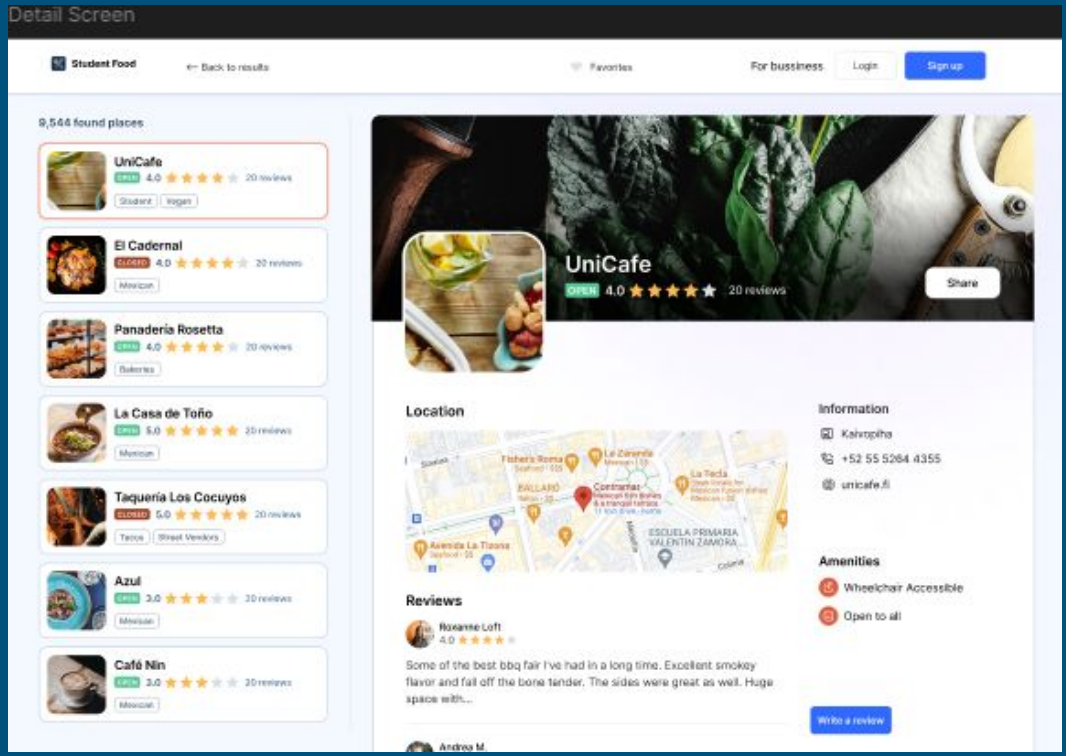
Prototype product 1/2 (Sprint 1, low fidelity)





Prototype product 2/2 (Sprint 1, examples)

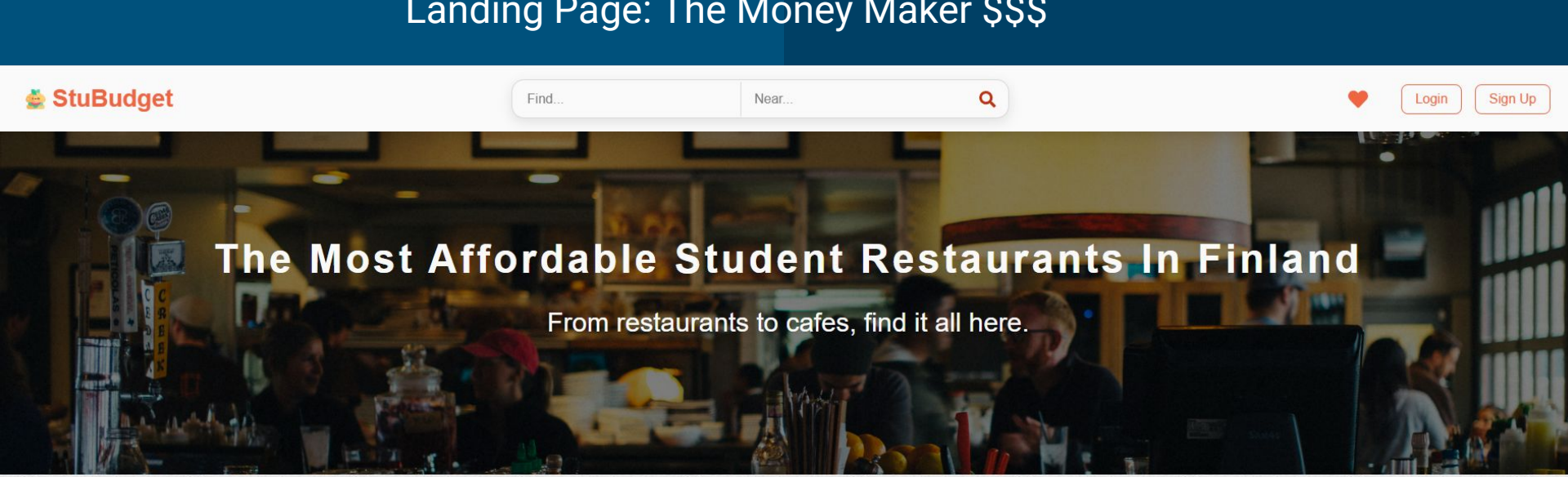




Sprint 2

- React's dynamic UI basic capabilities
- Not yet integrated with the backend and DB
- Basic implementation of Continuous Integration (CI) and Continuous Deployment (CD) using GitHub and Render (see link below)

Landing Page: The Money Maker $$$



Example of Sprint 2 Product Development

StuBudget

Find... Near...

Login Sign Up

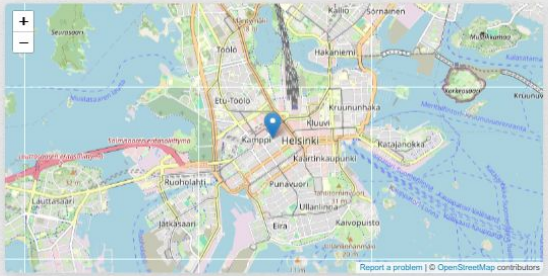
← BACK

Hoku Helsinki

4.66 ★ (3 reviews)

Hawaiian, Asian Fusion

WRITE A REVIEW ADD TO FAVORITES SHARE



Address: Annankatu 28, 01000
Helsinki, Finland

Phone: +358 12 345 6789

Website: http://www.hoku.fi

Customer Reviews

John D. - 5 ★

Amazing food and great atmosphere. Highly recommend the poke bowl!

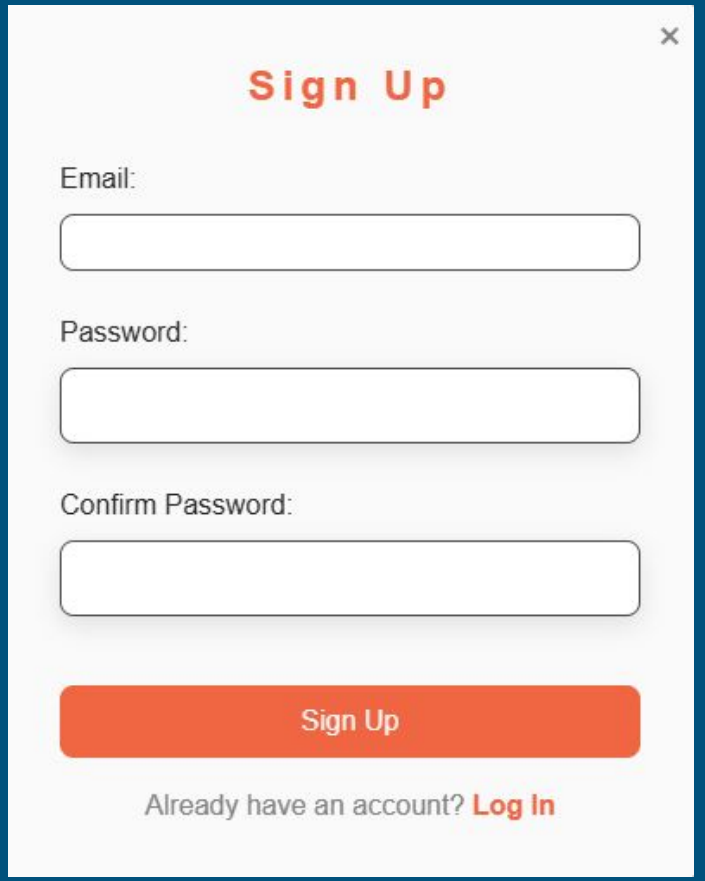
Jane S. - 4 ★

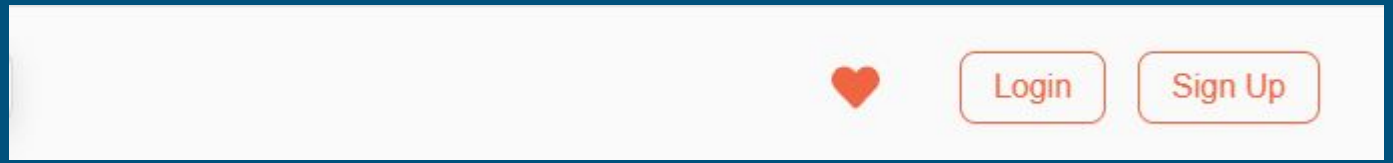
Delicious dishes but a bit crowded during peak hours. Worth the wait!

Sprint 3: Ideas for Improvement

- **First Priority: User Dashboard**
- Data Fetching from Backend (User & Restaurants)
- Tailwind CSS Integration

- Sprint 2: Only Login and Sign-Up Modals for Users (No User Dashboard Yet)

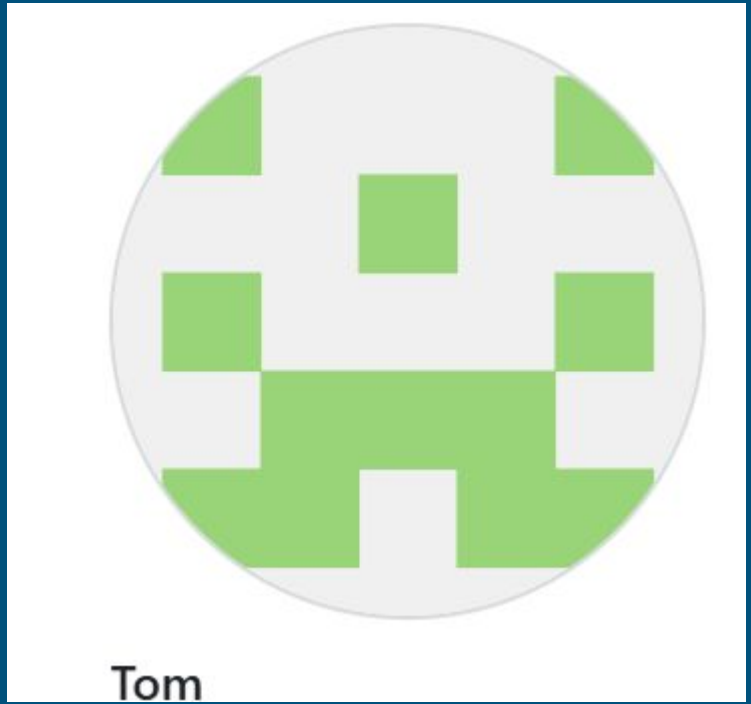




Sprint 3: Demo of the Final Product

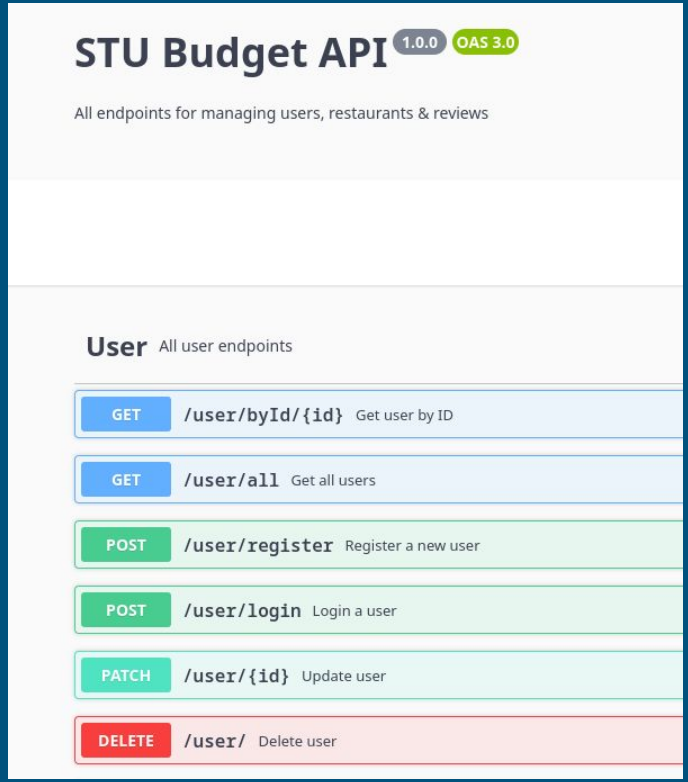
Back-End

Team Backend



Backend Progress

- Integration between front- and backend.
- Integration of KELA data into our db
- Various new endpoints and improvements
- API Documentation
- Tests



What we could improve on / could have done better codewise

Backend

- More specific and unified response codes
- Unify database access methods

Frontend

- Refactor the codebase to improve modularity and maintainability by separating functionality into distinct components and utilities.

What we learned

- Mongoose models are DAOs
- Communication is key
- Read documentation
- Deployment options

Scrum Process

Daily Scrum

Throughout the sprint, our team maintained consistent participation in the daily stand-ups. We conducted these stand-ups via Discord, where each team member provided regular updates on their tasks. Each day, we followed a standard format in the text channel, where everyone reported on:

- **What we did** the previous day
- **What we are working on** today
- **Any blockers** or challenges faced
- **Other noteworthy mentions** (e.g., potential improvements, suggestions, or feedback)

The team ensured all updates were documented clearly in the Discord channel so everyone could easily track progress and refer back to discussions if needed. This documentation helped us stay aligned and accountable.

Additionally, the use of Discord allowed for real-time communication, enabling us to quickly address blockers and share quick updates when necessary. By sticking to this routine, we kept the team informed, which helped us work efficiently and stay on track to meet our sprint goals.

Sprint Review & Outcome Coverage: Sprint 3 Progress and Achievements

- In Sprint 3, we made significant strides in both the front-end and back-end components of our project. The primary goal for this sprint was to establish a complete connection between the front-end and back-end, achieving a fully integrated MERN stack solution.

- During our Friday sprint review, we provided a detailed presentation of the progress made, showcasing both the code and the new features implemented. This allowed everyone to see exactly where we are in terms of project development. Each team member shared their individual contributions, highlighting the specific tasks they completed and the challenges they encountered along the way.

- The outcome of this sprint was a successful integration of the front-end and back-end, marking an important milestone in the project. We demonstrated the functionality of the system, ensuring that data flows seamlessly between the client-side and server-side. The review also allowed us to discuss any potential blockers and plan for the upcoming sprints, ensuring alignment with the overall project goals. Overall, the sprint was productive, and we are well-positioned to continue making progress toward the final product.

Retrospective Insights

1. **Reflective Analysis**
   - During Sprint 2, our team was able to implement the login and sign-up modals successfully, but we faced challenges with data fetching from the backend.

2. Actionable Improvements

- It would be helpful to hold more frequent check-ins during the sprint to discuss progress on backend integrations and address potential blockers earlier.

3.Team Reflection on Sprint Satisfaction

- As a team,There was a lack of alignment between front-end and back-end tasks, which led to bottlenecks. On a positive note, the collaboration was strong, and the communication between team members was much better than in previous sprints, which made problem-solving more efficient. Overall, we're happy with our progress, but we see room for improvement in planning and inter-team communication.

Summary

Improvements

Team

- There can never be too much communication or collaborative coding.

Project

- Admin Dashboard and Features
- Content moderation, more informative pages (e.g., menu)
- Auto-updating DB for new restaurants, with an option to add them manually
- Registration using Google and similar forms

Thank you!


ONE DOES NOT SIMPLY MAKE THE DREAM WORK
WITHOUT THE TEAMWORK