

CHAT APPLICATION

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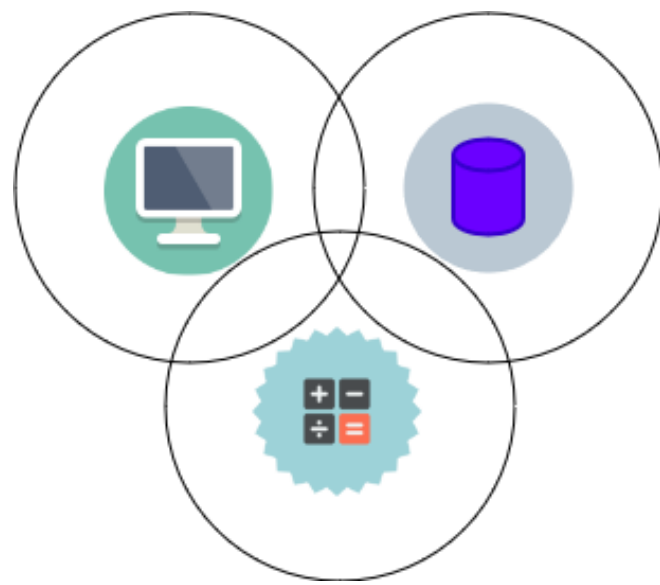
University of Applied Sciences Kiel

Requirements & Goal

This accompanying JavaScript-based project has been realized as part of the mandatory course **Advanced Software Programming**.

General requirements were:

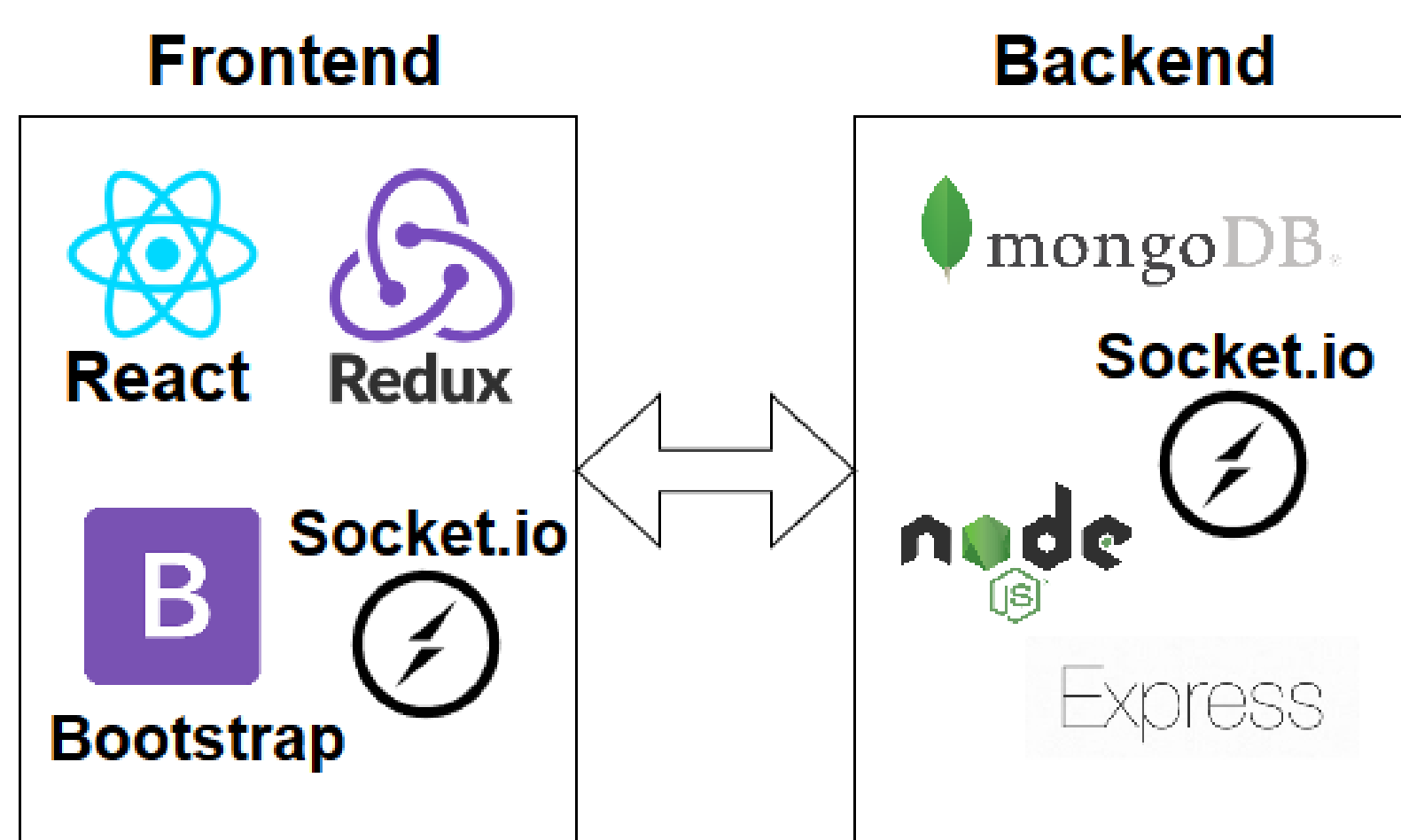
- **Git** as version control service
- User sign-up and **authentication**
- **Database** access
- **Websockets**



The goal behind these requirements is to reach abilities of **full stack**-development across modern web technologies throughout frontend and backend.

Technologies

- **Frontend** (ReactJS, Redux, Bootstrap)
- **Backend** (NodeJS, Express, MongoDB)
- **Websockets** (Socket.IO)
- **Deployment** (Docker and Docker-Compose)

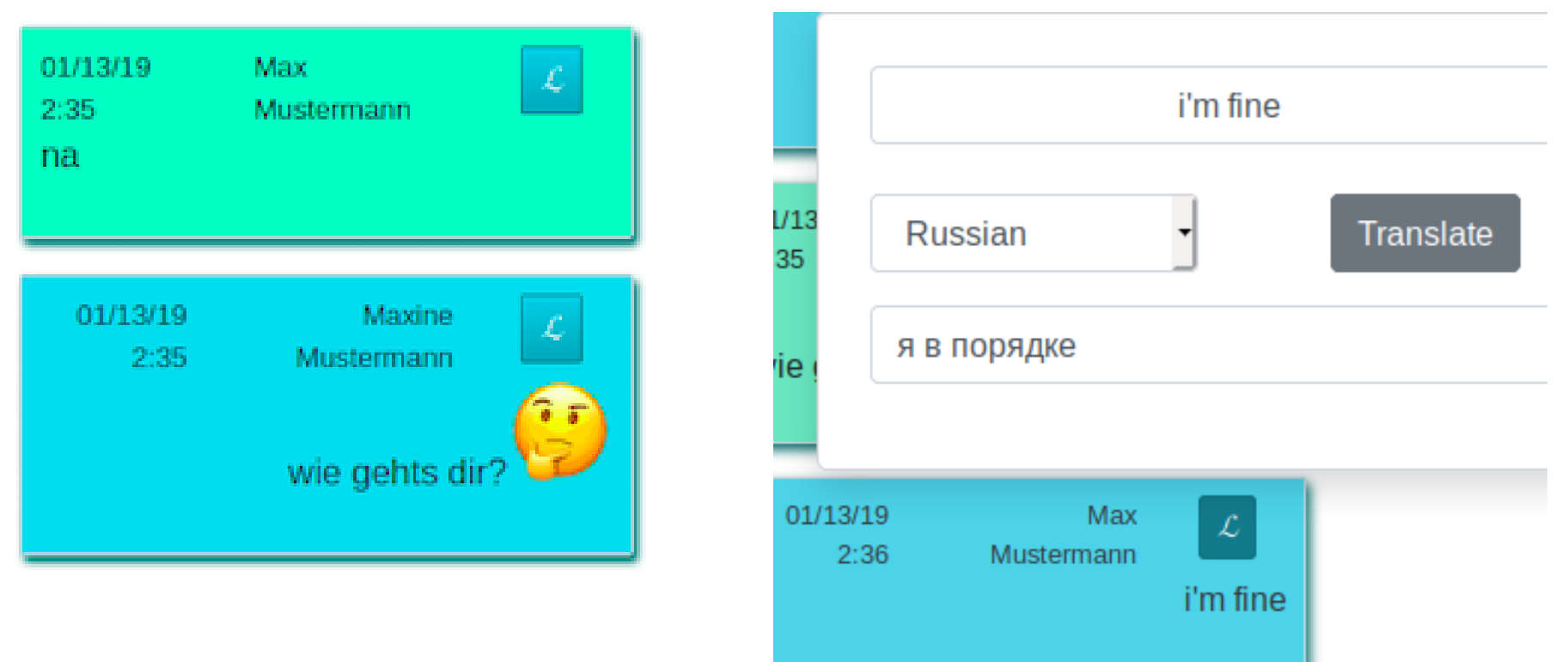


Project idea

Features

The following features based on user stories had been implemented during the semester:

- Fundamental chat functionality
 - user registration & authentication
 - chat room communication
- Translation of messages
- Emoji's



Learnings

- Modern web development workflow
- Importance of Code Review
- Underestimation of time for training of new technologies and development setup
- Experiments and training with new and unknown technologies / frameworks
- Docker as deployment technology

References

<https://github.com/nilsjung/chat-application>