

Study Room

Tyler Cako, Alan Kerdman, Jaron Rothbaum, Jake Tucker, and Josh Wright

What is Study Room?

- Meet students in your classes
- Get help on homework/concepts
- No hassle group chat setup/maintenance
- All your classes in one place




Tooling

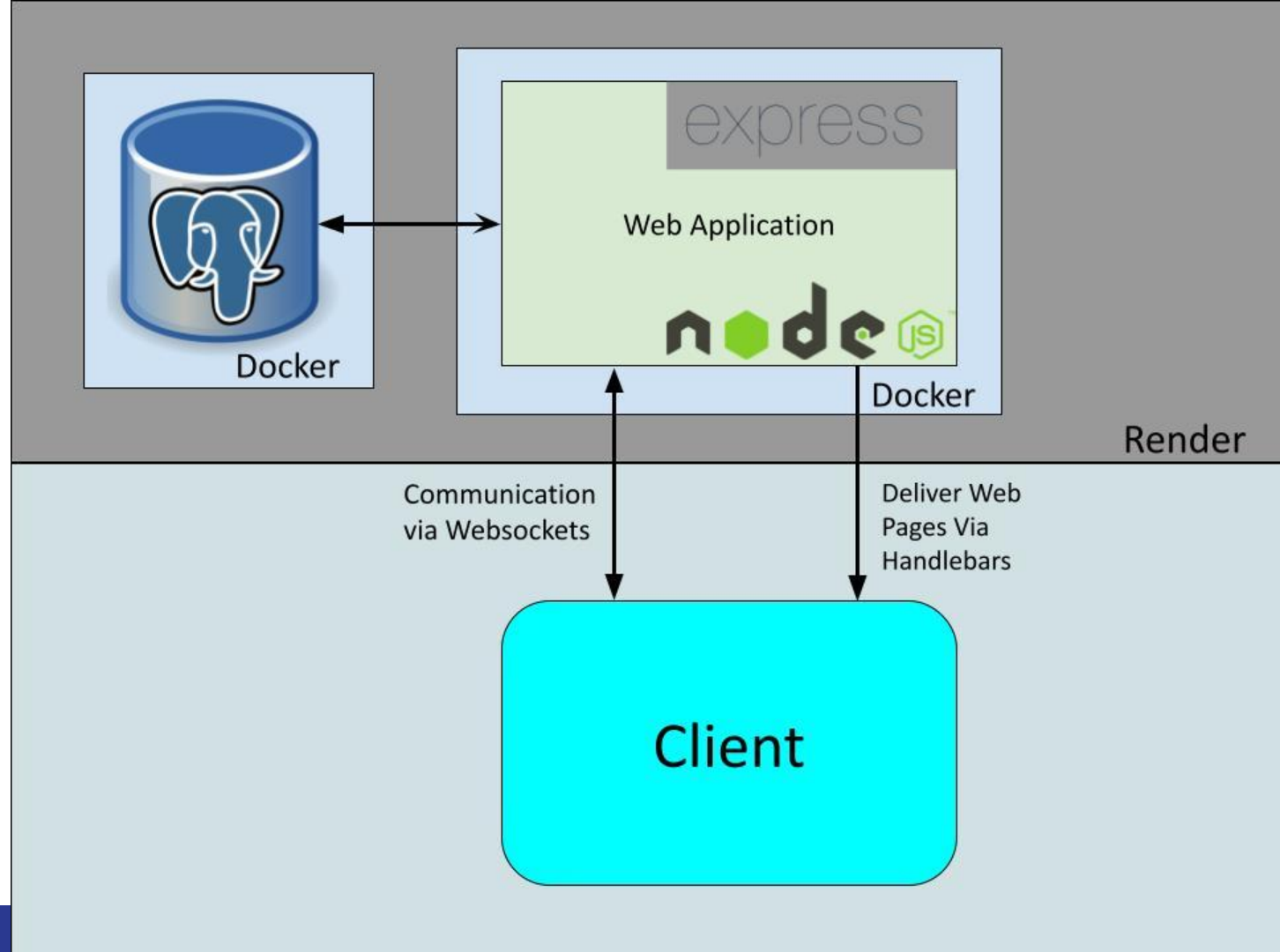
- **Project Tracking:** Github Projects - 4/5
- **Coding Environment:** VSCode - 5/5
- **Development Lifecycle:** Agile Methodology - 3/5
- **Quality Assurance:** Code Reviews - 3/5
- **Wireframing:** Figma - 5/5



Tech Stack

- **Web App:** Express/NodeJS with Typescript - 4/5 (typescript issues)
 - **Frontend/Client:** Handlebars - 4/5
 - **Client-Server Communication:** Websockets and Node API - 5/5
 - **Testing:** Mocha and Chai - 1/5
 - **Database:** PostgreSQL - 5/5
 - **Version Control:** Github - 5/5
 - **Hosting:** Render - 5/5
 - **Containerization:** Docker - 5/5
- 

Architecture



Challenges

- Typescript causes many errors with directories and test cases
- Websockets were complex to use
- Needed to make sure messages were stored and received by other users



Future Scope/Enhancements

- More robust accounts and permissions
 - Email verification, account recovery, verification of enrollment
- Create admin functionality so we can moderate content
 - Allow reporting and blocking
- Create a calendar view to organize classes
- Create friends lists
- Make rooms for DMs



Demo

<https://study-room-4n5l.onrender.com/>

