

# studyBuddie

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# Project description

- Student-focused productivity web app designed to make studying more social, organized, and personalized.
  - Allows students to create assignments, track progress, and view tasks within an integrated calendar.
    - Lets users add friends and form study groups for easier collaboration.
- Study group meetings automatically sync to each member's personal calendar to keep everyone updated.
- Enhances organization with a clear visual layout of upcoming tasks and quick assignment creation.
  - Combines productivity tools with social features to boost motivation and structure.
- Aims to make studying a collaborative, streamlined experience that supports academic success.

# Project Tools/Methodologies

## Project Tools

- VS Code - ★★★★★
- GitHub (version control) - ★★★★★
- Project Board (tracking) - ★★
- HTML/CSS/JS/Handlebars - ★★★★★★
- PostgreSQL - ★★★★★★
- Node.js - ★★★★★
- Docker (Containerization) - ★★★★★★
- Render (Cloud Hosting) - ★★★★★
- Discord (Communication) - ★★★★★★
- Mocha (Testing) - ★★★★★

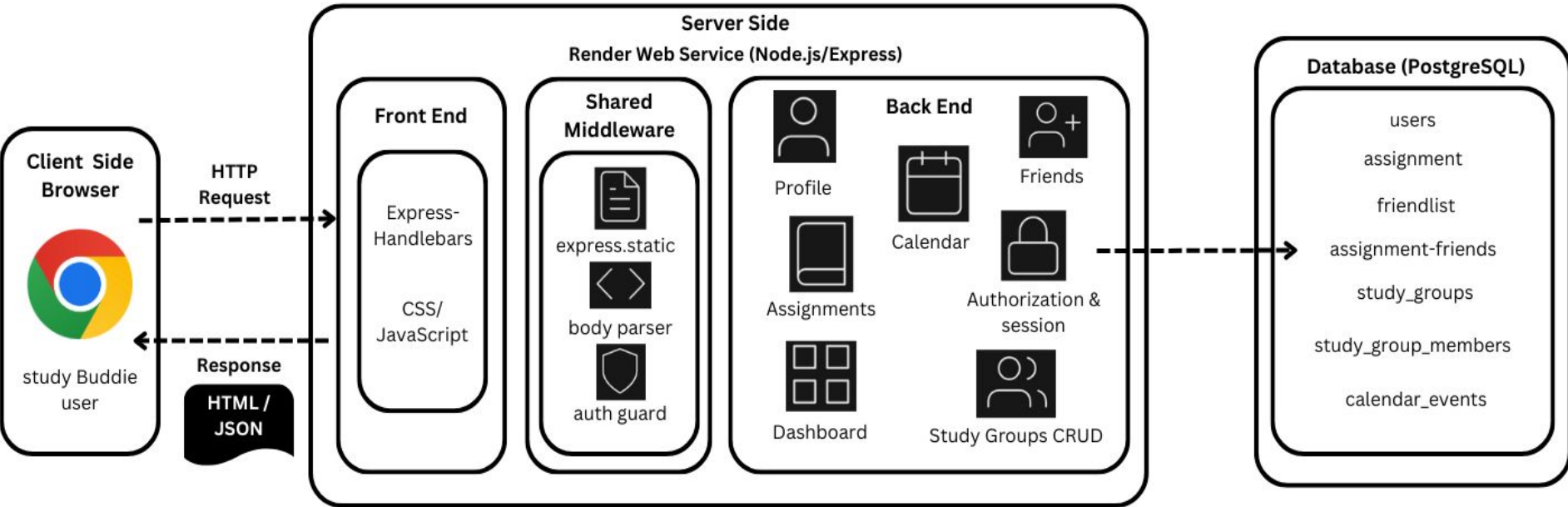
## Methodologies

- Pair Programming - ★★★★★★
- Peer Code Reviews - ★★★★★★



# Architecture Diagram

## Render Deployment



# Challenges

- Underestimated time for the project
- Added hundreds lines of code leading to trouble and merge conflicts
  - Debugging
- Integration between each member's code (Frontend and Backend)
  - Querying the data to show on the calendar correctly
  - Enhance collaboration

# FUTURE SCOPE/ ENHANCEMENTS

01 Social Networking

02 Notification System

03 Customization