Chatterbox

Group Project for CSCI 3308
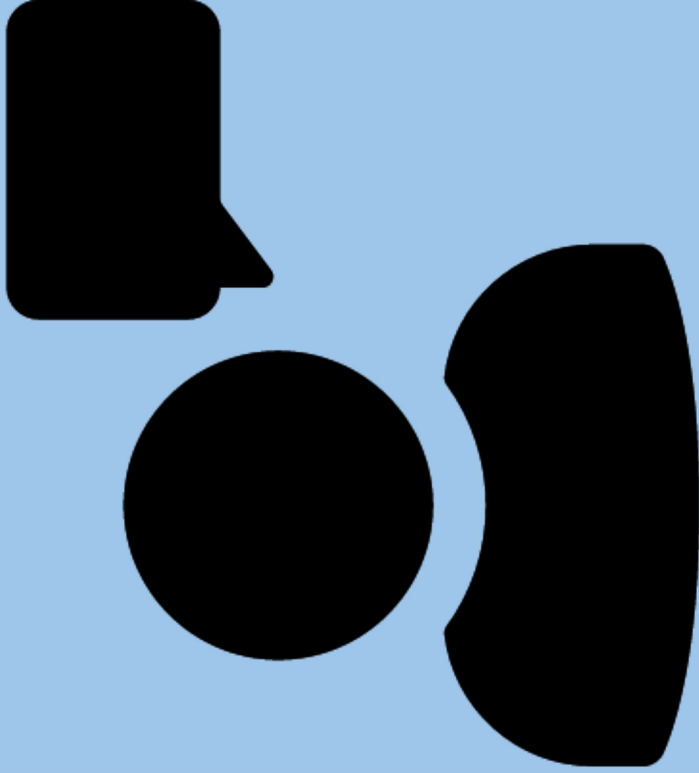
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What is ChatterSquare?

ChatterSquare is a messaging application drawing inspiration from the idea "chatterbox".
The more you talk, the more points you get. Points can be used to redeem perks such as custom name colors, chat borders, and more!

Tools We Used

Project Tracker – GitHub

Projects : 3

VCS repository – GitHub : 5

Database – PostgreSQL : 4

IDE – VSCode : 5

UI Tools – Figma : 5

Application Server – NodeJS : 5

Deployment environment – CU Boulder : 2

Framework – Express : 5

Security Vulnerability – Dependabot : 5

Templating Language – EJS : 3

CSS Framework – Bootstrap : 2

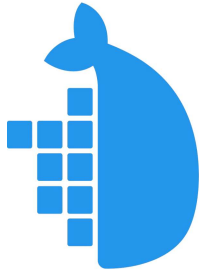Methodologies : relied mostly on peer review and iterative testing

In Order to Use ChatterSquare
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Locally

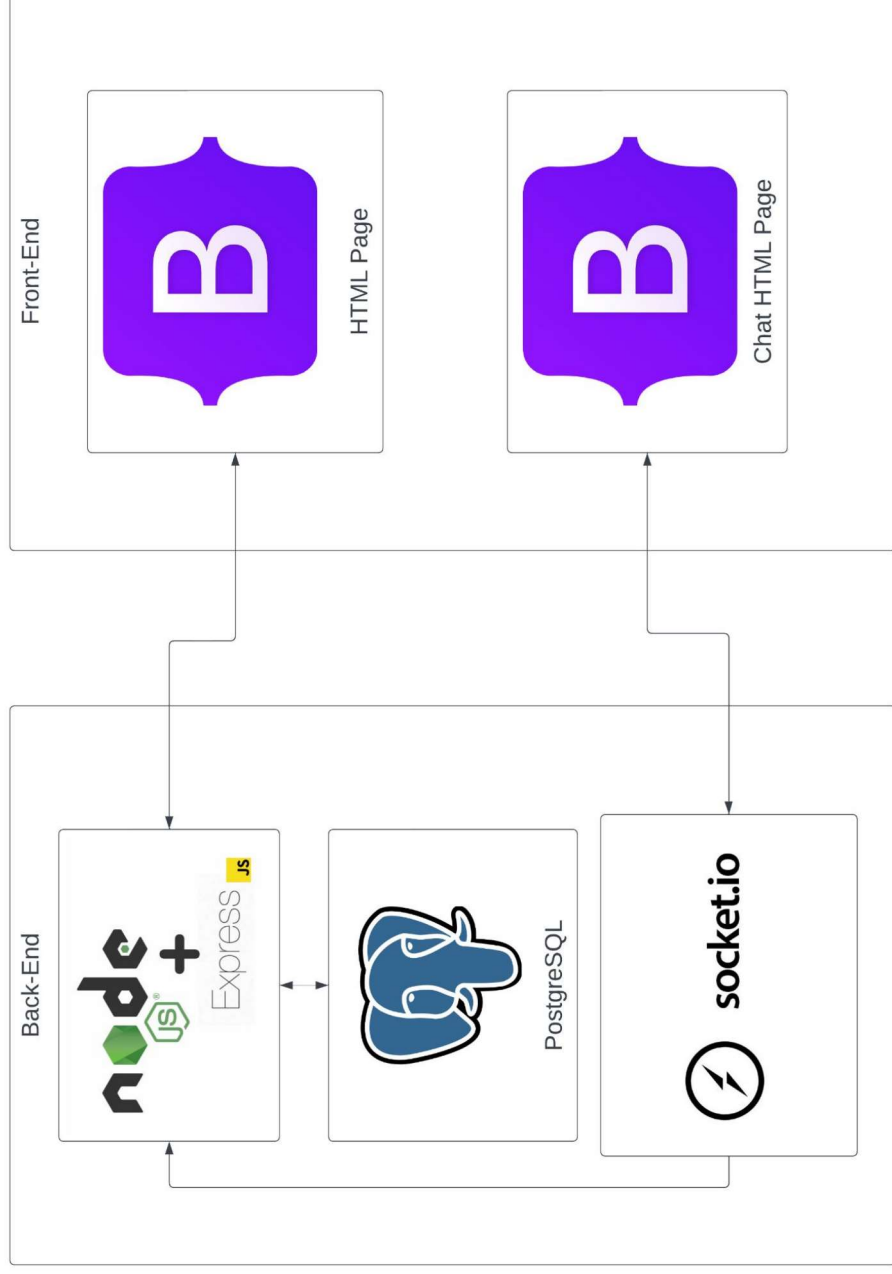Deployed

Front-End

HTML Page

Chat HTML Page

Back-End

Express JS

node JS

PostgreSQL

socket.io

Architecture Diagram

Challenges We Faced Along the Way

Live time chat :

we spent some time researching and found out about Socket.io which uses a websocket

Scaling :

started out with a lot of ideas, scaled project down to fit given time period
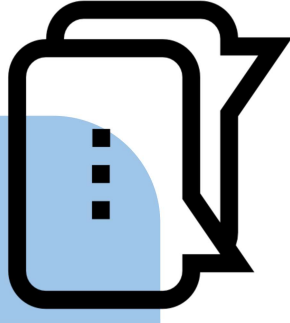
Progression of The Square Design

addressing scaling + live chat challenges

Live Demo

(https://tinyurl.com/csci-015-02)

Video Demo

Q & A

Thank you!

fin.