



Rocket Scientists

Kyran Butler, Jia Jian, Tahmina Ahmad, Justin Chen, Sahil Shah, Qiuyang Fu

Introduction

Team: Rocket Scientists

Members: Sahil, Justin, Kyran, Qiuyang, Jia, and Tahmina

- Describe the APP
 - For who: for anyone
 - For what: A basic chat application that allows communication between people for any purpose
 - How does it work: Clients connect to our website, log in, and can chat in multiple different channels!

Challenges

Challenges We Faced:

- Adding our chat code to the main in order to get messages to send
- Learning React as a web framework to build a user friendly and dynamic UI
 - Working and converting between functional components and class components in React
- Scope was larger than expected
- Porting the app to Heroku

Overcoming the Challenges:

- Multiple people attempted to work on the same thing and we compared our results, meshed results together, and used what we thought would work best
- Youtube tutorials, step by step web page tutorials
- Read through documentation for multiple dependencies

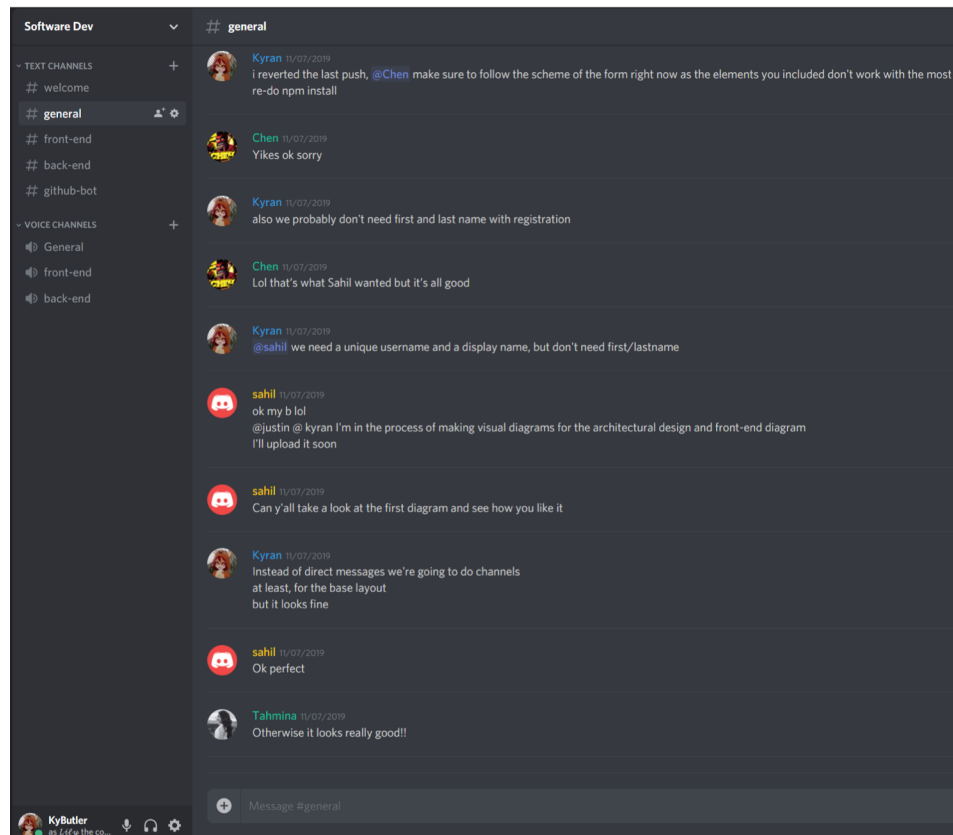
Technical Details

Tools

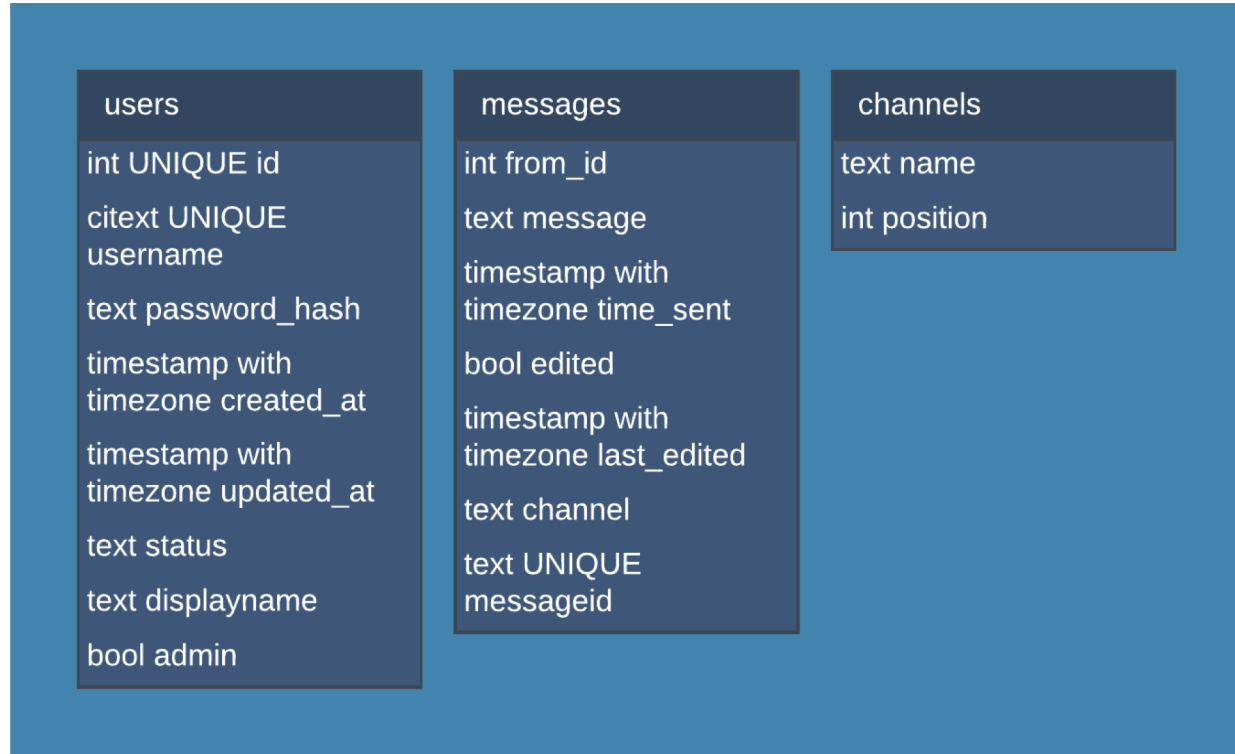
- Github, Heroku, Discord
- Atom, JSFiddle, LogoMakr, Visual Studio
- G Suite Slides (for presentation)

Meeting Time and Location

- Everyone: Tuesdays from 4-6pm in the Math building
- Front End: Sundays for 1-2 hours via Discord calls



Database Layout

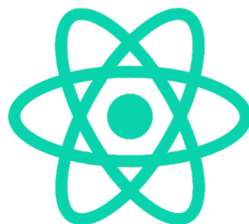


Dependencies Used

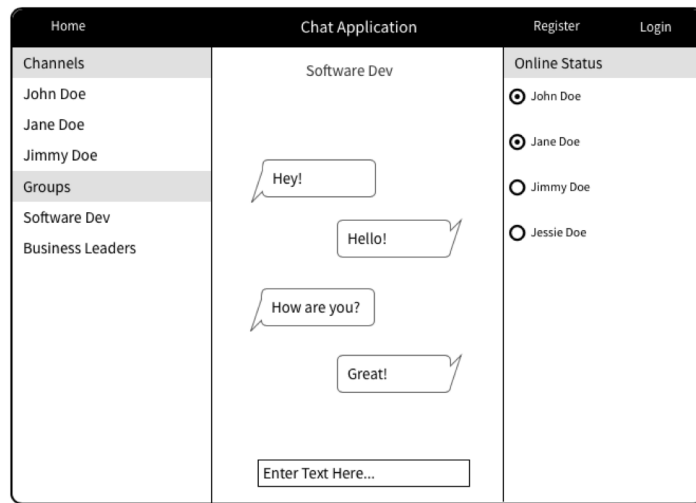
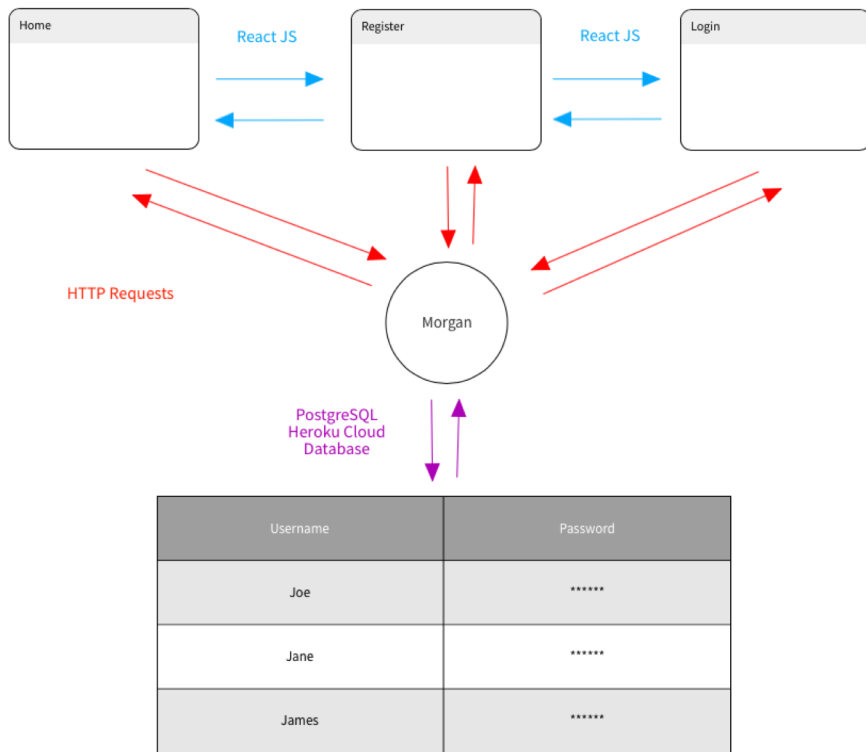
Server Side - bcrypt, bootstrap, cookie-session, dotenv, express, morgan, passport, passport-json, pg, sequelize, sequelize-cli

Client Side - fontawesome, lodash, react-bootstrap, react-scroll

Overall - Node.js, React, PostgreSQL



Architectural Diagram/Base Product



Github / Heroku Screenshots

The screenshot shows the Heroku dashboard for the application 'csci3308-chat-app'. The top navigation bar includes 'Personal', 'Overview', 'Resources', 'Deploy', 'Metrics', 'Activity', 'Access', and 'Settings'. The 'Activity' tab is selected, showing a list of recent deployments and builds. A message at the top suggests linking the app to GitHub. The activity feed shows several successful deployments and builds by 'kyran@butlerhq.com'.

Personal > csci3308-chat-app

Overview Resources Deploy Metrics Activity Access Settings

If you use GitHub, you can link your deploys to the code diff on GitHub.

Activity Feed

- kyran@butlerhq.com: Deployed b065ea09 Yesterday at 11:42 PM - v11
- kyran@butlerhq.com: Build succeeded Yesterday at 11:41 PM - [View build log](#)
- kyran@butlerhq.com: Deployed ccde47e7 Dec 3 at 5:02 PM - v10 - [Roll back to here](#)
- kyran@butlerhq.com: Build succeeded Dec 3 at 5:00 PM - [View build log](#)
- kyran@butlerhq.com: Deployed 88b863e9 Dec 3 at 3:07 PM - v9 - [Roll back to here](#)
- kyran@butlerhq.com: Build succeeded Dec 3 at 3:06 PM - [View build log](#)

The screenshot shows the GitHub repository page for 'CSCI-3308-Project'. The repository is owned by 'KyButler' and has 2 stars and 0 forks. The 'Code' tab is selected, showing the repository's commit history, branches, and packages. The repository description is 'No description, website, or topics provided.' The repository contains several files and folders, including 'Chat-Application', 'Milestone-Submissions', 'Team-Meeting-Logs', '.gitignore', 'README.md', and 'logo.png'.

KyButler / CSCI-3308-Project

Unwatch 2 Star 0 Fork 0

Code Issues 0 Pull requests 0 Actions Projects 0 Wiki Security Insights Settings

No description, website, or topics provided.

Manage topics

80 commits 2 branches 0 packages 0 releases 2 environments 5 contributors

Branch: master New pull request

Create new file Upload files Find file Clone or download

KyButler "final" revision	Latest commit 4785dd6 12 hours ago
Chat-Application	"final" revision 12 hours ago
Milestone-Submissions	messages send with displayName 2 days ago
Team-Meeting-Logs	cleaning up temp files 2 months ago
.gitignore	Added local project files to not be tracked 2 days ago
README.md	Update README.md 2 months ago
logo.png	logo! 14 hours ago

README.md

CSCI-3308-Project

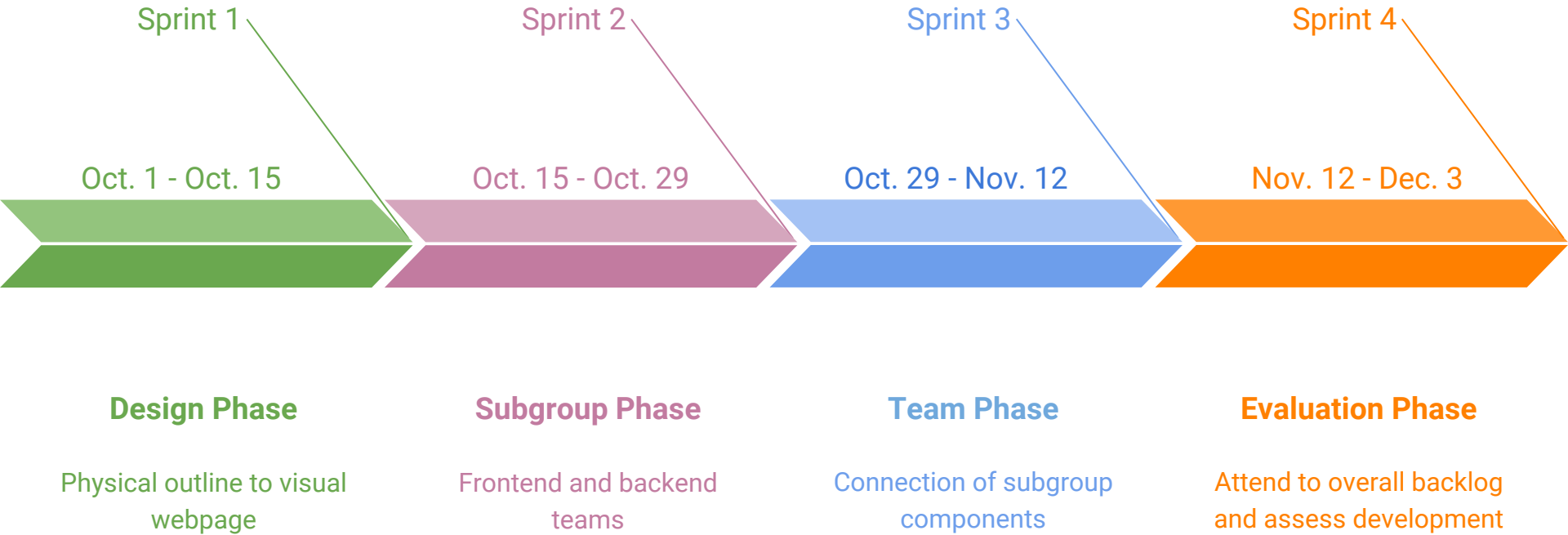
Team Number - 203-1 Team Name - Rocket Scientists Team Members - Kyran Butler, Jia Jian, Qiuyang Fu, Tahmina Ahmad, Justin Chen, Sahil Shah Application Name - Chat Application

Project Management (PM) Method

Waterfall-Agile Hybrid

Waterfall	Agile	Our Method
Separate phases for analysis, design, etc.	Development based on work done in previous sprints	Separately named phases with work that can carry over in sprints
Scope is defined at the beginning of the project	<u>Scope is variable throughout the project</u>	Scope is variable throughout the project
<u>Clear picture of the final product</u>	Product changes throughout project	Clear picture of the final product
Monthly meetings	Daily meetings	Multiple Weekly meetings

PM Method (cont.)



PM Method (cont.)

Weekly Scrum Meetings & Work Time

- First 15 minutes
 - What have we done?
 - What do we need to do?
 - What are the challenges? How are we dealing with these?
- Remainder of meeting
 - Team development (broke into smaller groups)
 - Primarily worked in front in vs back end groups
 - Taught/told others the new things we learned in the past week

PM Task Tracking Tool

Tasks	Deadline
Group Tasks: <ul style="list-style-type: none"> - Bring a drawing/picture of what the main client page should look like - Install Visual Studio in Ubuntu 	October 1
Group Tasks: <ul style="list-style-type: none"> - Turn the visual outline into our main client webpage (drawing → HTML/CSS) 	October 8
Group Tasks: <ul style="list-style-type: none"> - <u>Continue</u>: visual outline into our main client webpage (drawing → HTML/CSS) 	October 15
HTML/CSS Team: <ul style="list-style-type: none"> - Begin creating other webpages Javascript Team: <ul style="list-style-type: none"> - Dynamic functionality of main webpage 	October 22
HTML/CSS Team: <ul style="list-style-type: none"> - <u>Continue</u>: creating other webpages Javascript Team: <ul style="list-style-type: none"> - <u>Continue</u>: Dynamic functionality of main webpage 	October 29
Group Tasks: <ul style="list-style-type: none"> - Dynamic functionality of other webpages 	November 5

Group Tasks: <ul style="list-style-type: none"> - <u>Continue</u>: Dynamic functionality of other webpages 	November 12
Group Tasks: <ul style="list-style-type: none"> - Clean & comment 	November 19
Group Tasks: <ul style="list-style-type: none"> - Clean & comment 	November 26
Group Tasks: <ul style="list-style-type: none"> - Prepare for presentation 	December 3

Product Demo

Let's show you what we have!

j.mp/kyranchat

Chat

A chat app

Credits to:

ilikecuteboats - tester



Fin!