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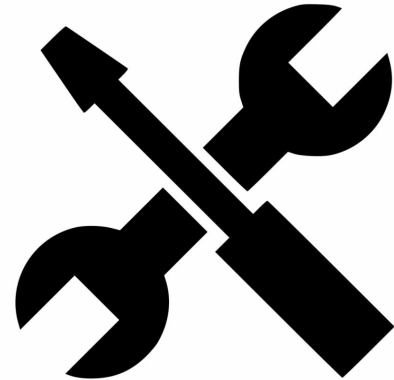
What is it?

- A platform for posting offers to trade goods/services
- A specific site for CU Students on a budget
 - Aim to be a better alternative to Craigslist, etc.



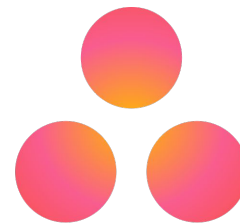
Tools used

- Project Tracker
 - Asana
- VCS Repository
 - Github
- Database
 - PostgreSQL
- Client Side
 - HTML and CSS
 - JavaScript
- Framework
 - NodeJS, EJS
- Deployment Environment
 - Heroku



Project Tracker

- Name: Asana
 - Purpose: Helped us keep track of how we were going to split up the work
 - Rating: ★★☆☆☆
 - More useful towards the start of the project



asana

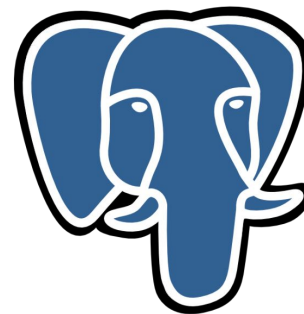
VCS Repository

- Name: GitHub
 - Purpose: Helped us share/store different versions of our source code
 - Rating: ★★★★★
 - Very useful for efficiently sharing new versions of our project



Database

- Name: PostgreSQL
 - Purpose: Allowed us to store user accounts, posts, and messages between users
 - Rating: ★★★★★
 - Took awhile to learn, but a critical component



PostgreSQL

Client Side

- Name: HTML/CSS/JavaScript
 - Purpose: Displays, styles, and changes web pages
 - Rating: ★★★★★
 - Allowed us to create interfaces for users



Framework

- Name: NodeJS/Express (with EJS)
 - Purpose: Handled the logic of requests/responses for our application. Sends the client dynamic pages.
 - Rating: ★★★★★
 - Integrated all of the project components



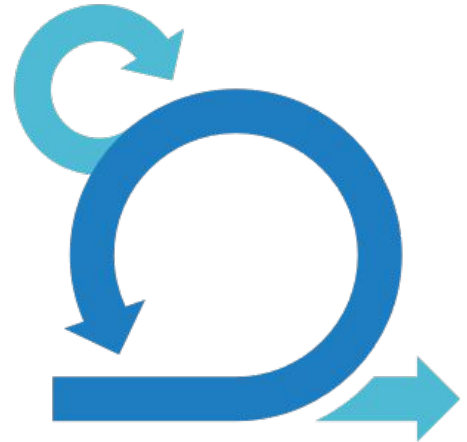
Deployment Environment

- Name: Heroku
 - Purpose: Hosts a working version of our application so it is easily accessible
 - Rating: ★★★★★
 - A few difficulties involved initially, but a convenient way to share our project



Methodology Used

- Name: Agile
 - Purpose: An iterative method that allowed us to add/tweak new features and have working software at each sprint
 - Rating: ★★★★★
 - Kept us organized and encouraged teamwork

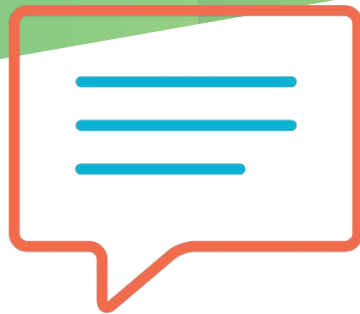


Challenges



- **Busy Schedules**
 - Challenge: Every student is busy with their own classes and meeting together was difficult (jobs etc.)
 - Solution: Tried to meet twice a week on T/Th and relayed information to members who were not able to attend
 - Impact: Medium; Hard to keep everyone on the same page if they did not attend the meeting and understand the overall structure

Challenges



■ Messages

- Problem: How do we keep track of messages sent to users in the proper order?
- Solution: Inside the Messages table in the database we created a column called "combo_id" which is a unique id for each pair of users
- Impact: Minimal; Did push back the Sprint dates to accomodate for the learning curve

Challenges

EJS

<% Embedded JavaScript %>

- Generating HTML pages dynamically
 - Problem: We weren't very fond of PUG and wanted an alternative
 - Solution: We used Embedded JavaScript (EJS) to change HTML pages based on database contents
 - Impact: Minimal; Did require some time understanding/learning the syntax of EJS

Project Demo!