

# Perfect Planner: Presentation

Presented by Group 04

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# Product Description

The Perfect Planner is an app that helps organize everyday tasks. This planner makes it easy to see what you have to accomplish that day. The Perfect Planner will have users enter all events and assignments, filter them, and help organize them for the user.

The user will be able to create and log in to an account and access their list of assignments and other events, as well as create their own. They will further be able to sort events by type, and be able to filter their list of events by type. Users will be able to allow this application to send them alerts for the events. Users will be able to set the time these alerts appear. Such as a week before, a day before, or the day of. To further customize the experience users will have the option to adjust element colors as well as add their own pictures and images.

The Perfect Planner is a simple but practical application that allows college students to effectively plan and manage their time.

# Tools Used

- VCS repository: Github
- Database: SQL
- IDE: Visual Studio Code
- UI Tools: HTML, EJS
- Application Server: NodeJS
- Deployment Environment: Localhost

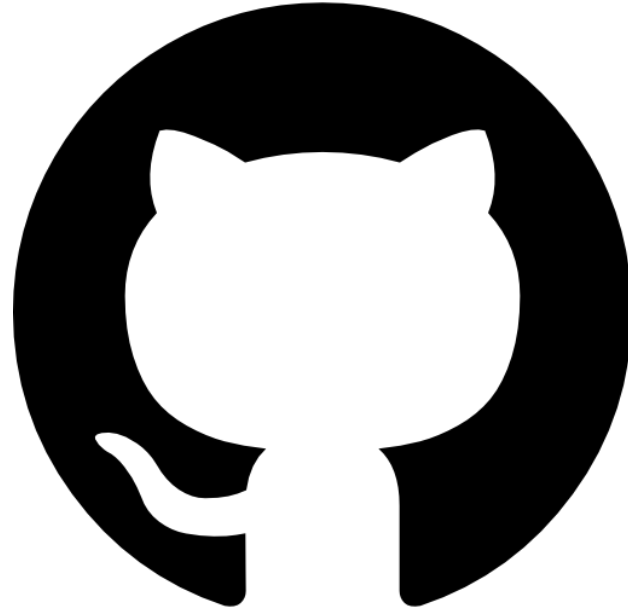
Crossplane



Va

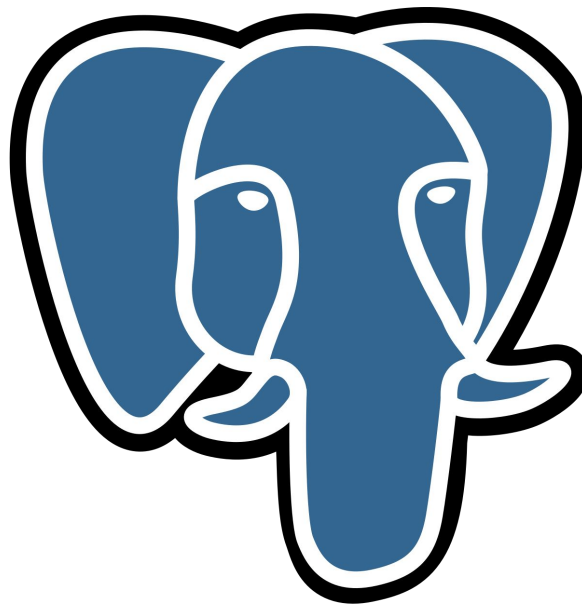
# Github

- ❖ 5/5
- ❖ Lets us work together as a team
- ❖ Great for project planning
- ❖ Keeps team members accountable
- ❖ Allows us to work on code together and resolve conflicts
- ❖ Auto-Documentation for changelogs



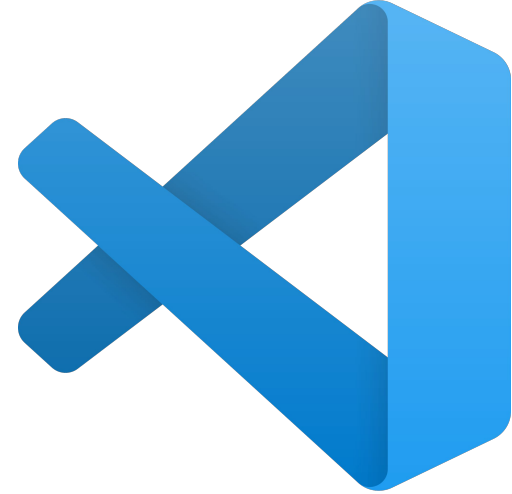
# PostgreSQL

- ❖ 5/5
- ❖ Relational database to store all of our data
- ❖ Ensures data integrity
- ❖ Great for handling queries



# Visual Studio Code

- ❖ 5/5
- ❖ Great integrated development environment (IDE)
- ❖ Allows code organization
- ❖ Color coding and indentation help to spot errors
- ❖ File browser makes it easy to organize all the project files



# HTML, EJS, Bootstrap, NodeJS

- ❖ 5/5
- ❖ **HTML5** is the backbone of the website
- ❖ **Embedded JavaScript templating (EJS)** allows us to add code to our HTML
- ❖ **Bootstrap** makes everything look good
- ❖ **NodeJS** is the underlying engine for the web server

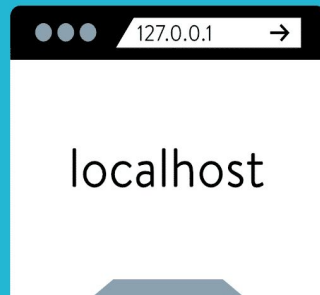




# LocalHost

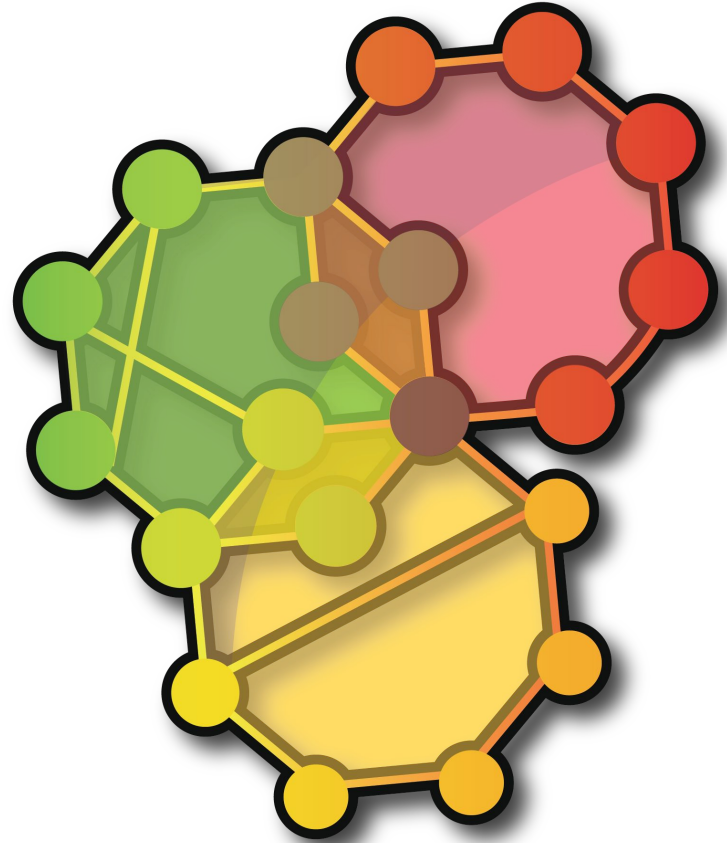
It's localhost, does it even have a logo?

- ❖ 5/5 stars
  - I'm starting to notice a trend here
- ❖ Lets you run a webpage offline
- ❖ Doesn't need fancy hosting
- ❖ Just do it



# Methodologies Used:

- ❖ Pair programming
- ❖ Code Review
- ❖ Peer code testing

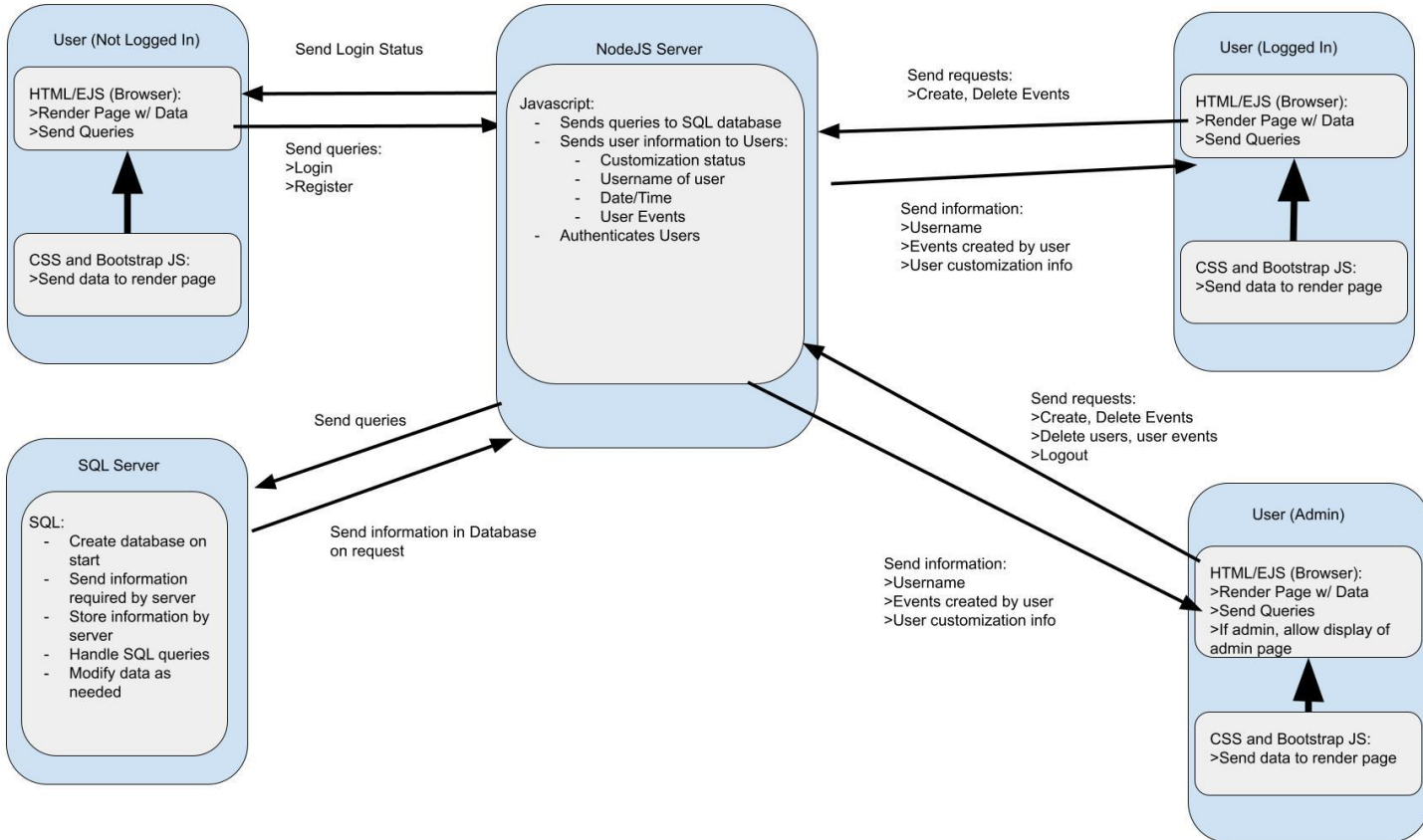


# Peer Code Testing

- ❖ Tested product on CU students with minimal coding experience
  - Delivered different perspectives
- ❖ Gave them a basic introduction
- ❖ Observed how they interacted with product
- ❖ Got feedback after they ventured the product
- ❖ Showed them features they missed and/or explained features they didn't understand



# Architecture Diagram



# Challenges

- ❖ Dealing with databases
- ❖ Multiple Queries in 1 function
  - Solved through nesting queries
- ❖ Calendar Creation
- ❖ Learning to write software as a team 🙌
- ❖ Finding what we were good at

# Demo Time!

[https://drive.google.com/file/d/1-tqnosHJqWMCSNe1iycFVhLKF9Yrnie9/view?usp=share\\_link](https://drive.google.com/file/d/1-tqnosHJqWMCSNe1iycFVhLKF9Yrnie9/view?usp=share_link)

# Thank You!

Any questions?

