PETS-R-US
Inventory System

By Claire Lueking, Holly Schwecke, Therese Goshen

Vision and Description

- ## Vision:

  Our product's goal is to track inventory levels of a pet supply website for business optimization. It will seamlessly integrate with their website to ensure inventory levels are always accurate to minimize operational disruptions.

- ## Description:

  This inventory system is to be used by pet shop owners that need to be able to have a reliable system to track their inventory and manage people that have access to the system. The website is integrated with the databases of products and users for ease of use.

Tools Used : Programming Languages

- **Python:** This was used to structure the backend structure of the project and put SQL into it to aid with the database creation

- **HTML:** This was the main language to create the static version of the webpages.

- **CSS:** This was used to add design choices to each webpage

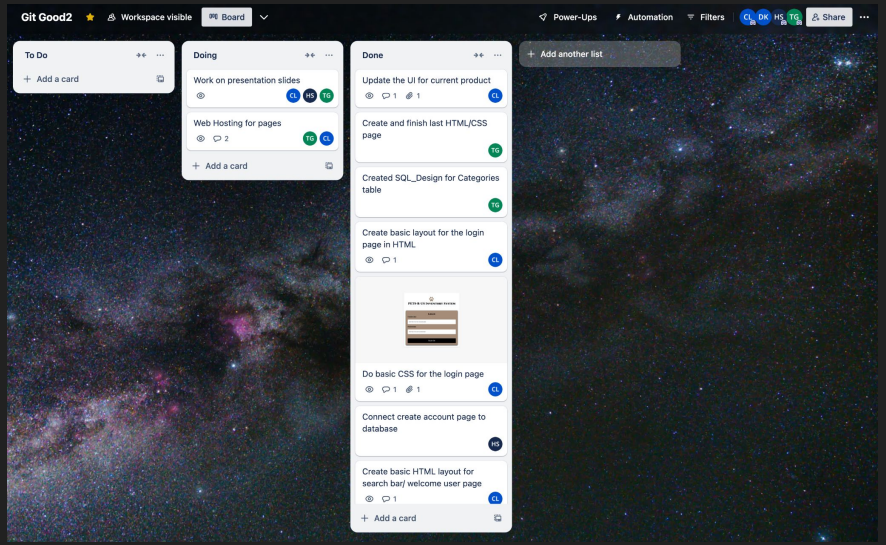
- **Javascript:** This was used to add functionality to each webpage

- **SQL:** This was used to implement the database through our hosting service

Tools Used - Continued : Project Management Software

Trello

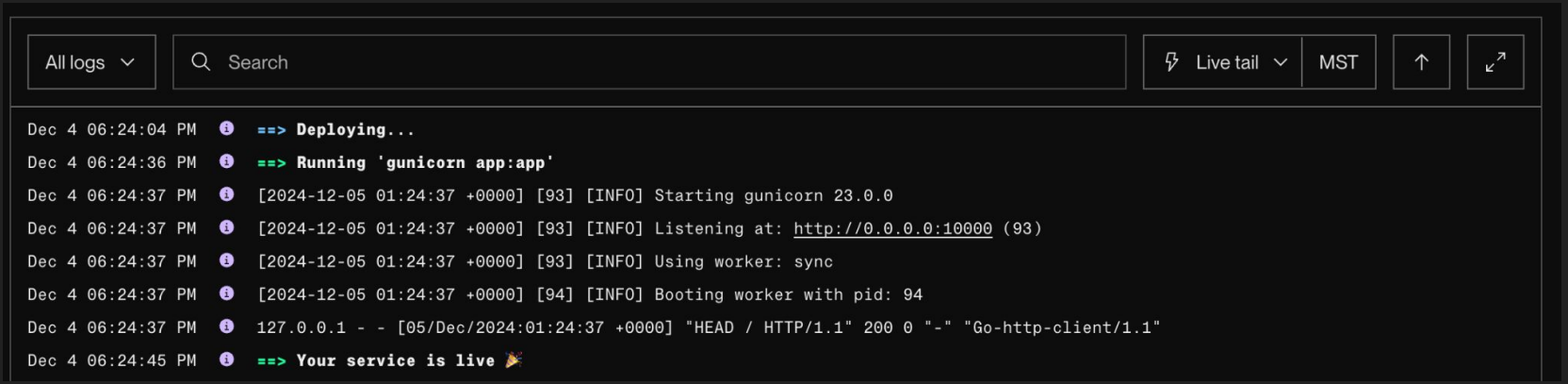
- Used to track weekly tasks assigned to each of us
- Show progress of project and amount of completion of project



Tools Used - Continued: Database

Render

- Used to connect web pages to database and for web hosting
- Shows any spots in code that caused an issue when deploying

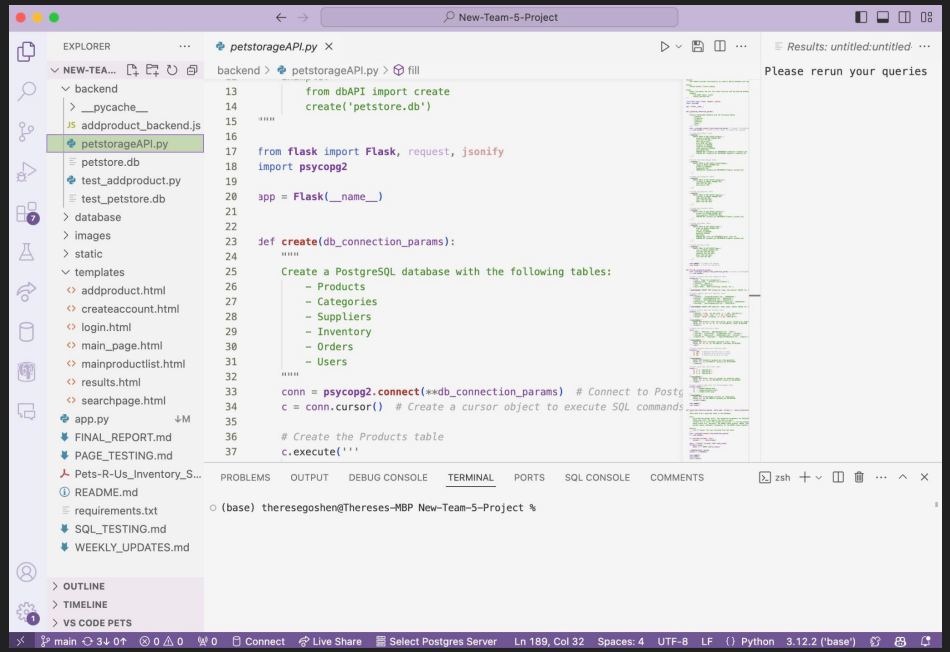


Tools Used - Continued: Git and GitHub

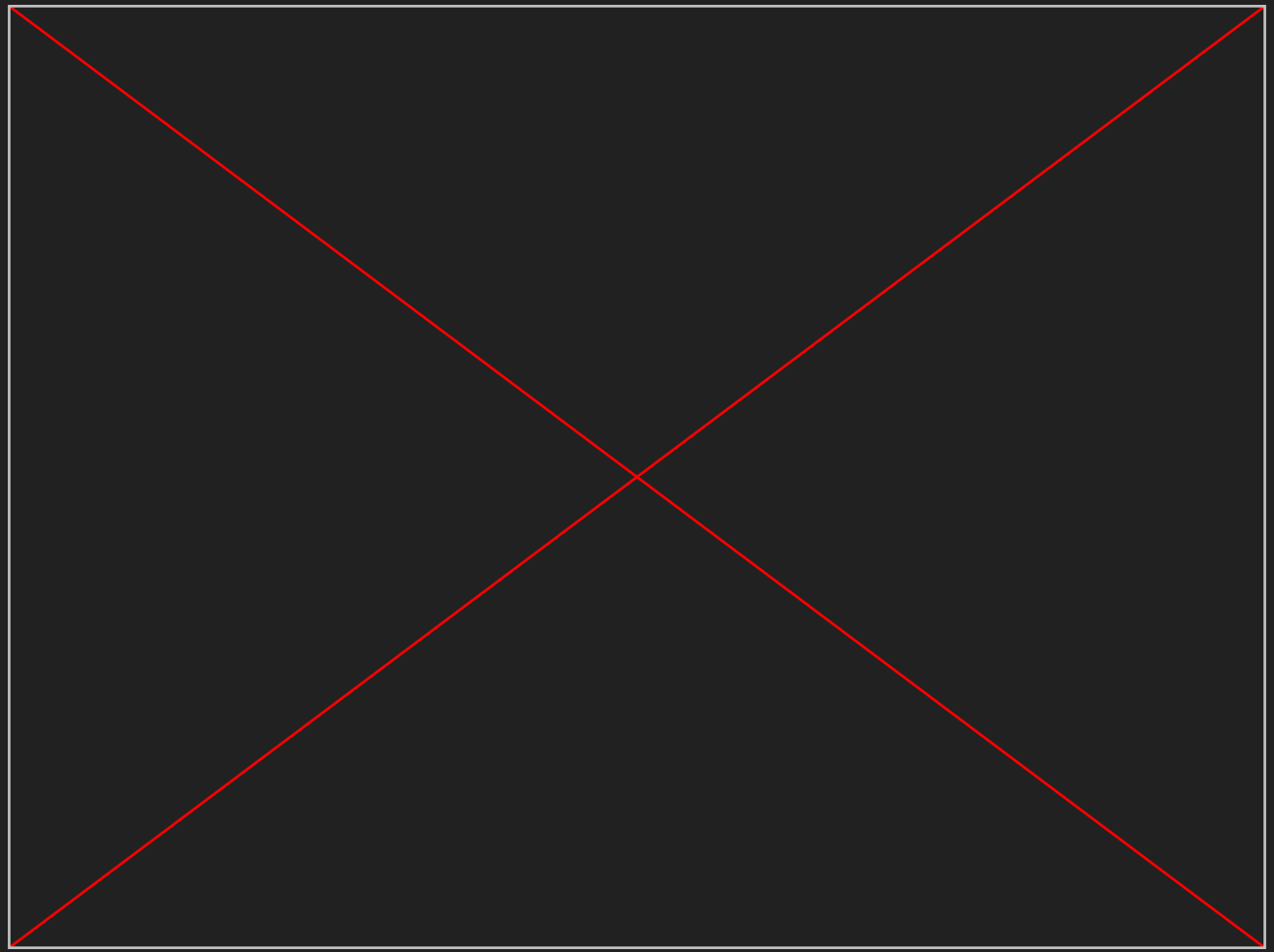
- We used Git as a version-control tool. We also used GitHub to host our code. This was an extremely beneficial software to use.
- Amazing tool for tracking changes and keeping up with new versions of the code
- Made communication easy
- Only draw back - it is easy to forget to push and pull!
  - (user error!)
- Could have used more branches
- (side note: GitHub desktop was a great for me!)

Tools Used - Continued: VS Code

- IDE used to edit and update code
- Integrated with Git version control



Challenges Encountered

- Errors when trying to push updates to GitHub
- Getting the html pages to properly display using the Render link
- Adding data to database from web page
- Changing database from SQL to PostgreSQL
  - sqlite3 -> psycopg3
  - Had to rewrite so much code!
- Forgetting to update on Trello
- Changes of team members

- Render: https://new-team-5-project.onrender.com
  - Pages:
    - Main/Landing
    - Login
    - Create Account
    - Search
    - Main Product List
    - Add Product
    - Search Results