



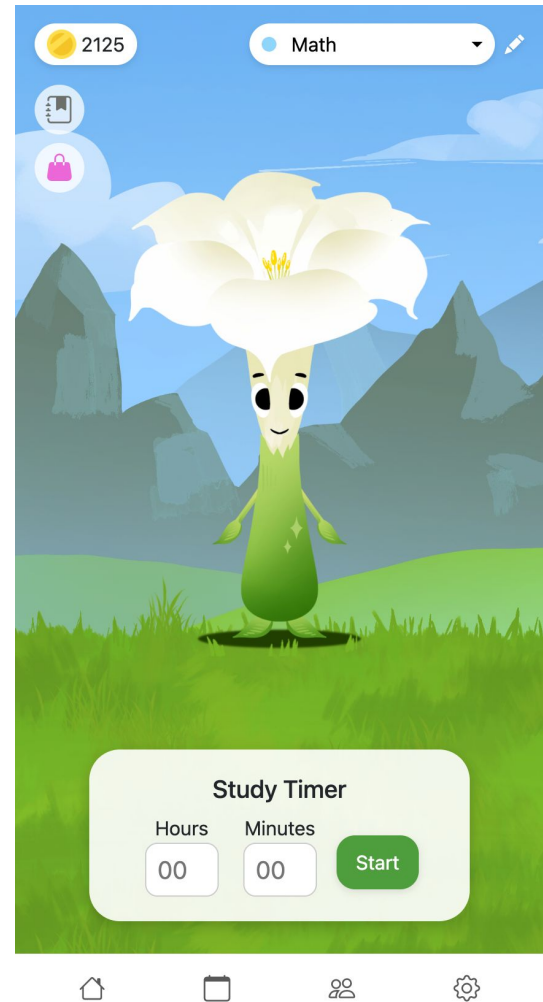
Datura

By:

Jeremy Chau
Estella Duong
Carolyn Dockhorn
Sofie Ravnborg
Celaena Thomas

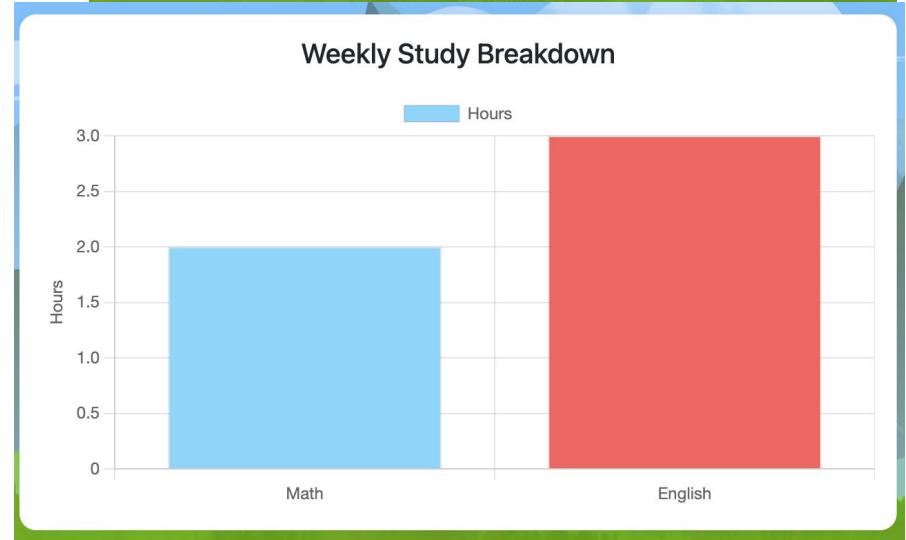
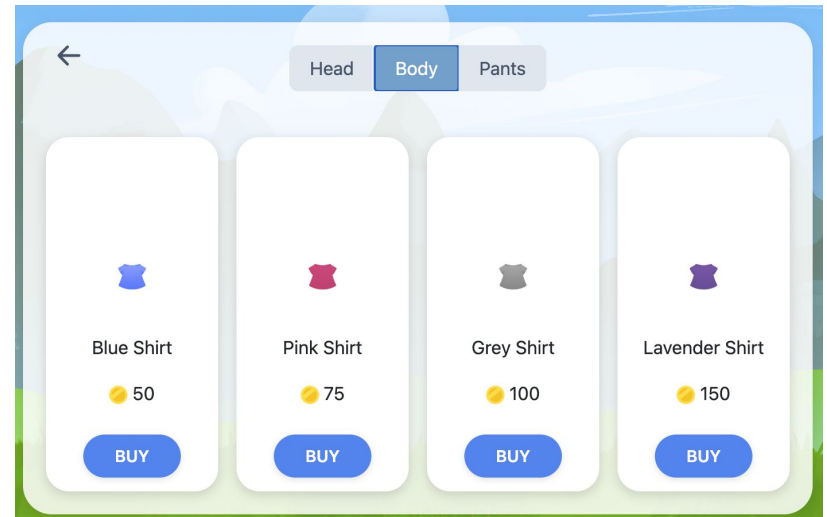
Description of Project

- Datura is a study app created for increased productivity.
- Set goals, stay focused, and earn points as you work.



Description of Project

- Use your points to unlock new outfits and customize your avatar.
- Add friends, track each other's progress, and celebrate wins together.



Tools used

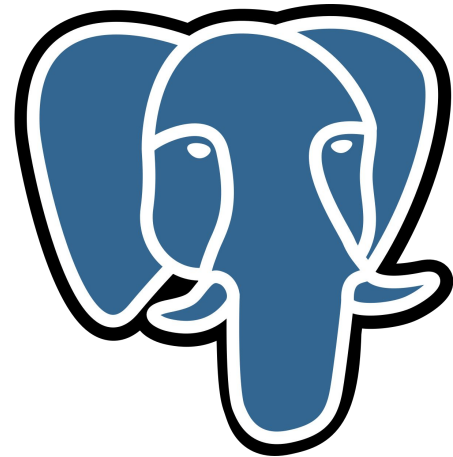
Project Tracker: Github
project board



VCS (Version Control System): GitHub



Database: PostgreSQL



Tools used

IDE: VSCode



UI Tools: HTML/CSS



Application Server: NodeJS



HTML



CSS



Tools used

Deployment Environment:

Render

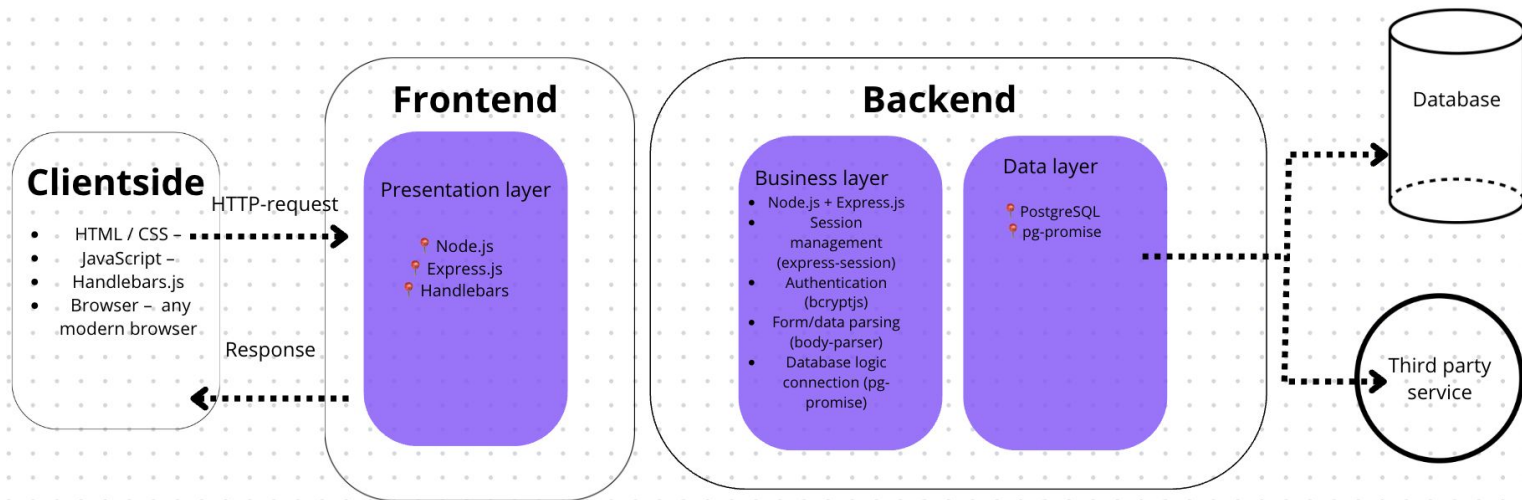


Testing Tools, APIs, Documentation Tools, Frameworks, Hardware:

Chai, Chai-HTTP, fullcalendar



Architecture Diagram



Challenges

- **Docker** was tricky to work with, especially when it kept saving old PostgreSQL tables. We Fixed it by running `docker compose down -v` to remove old volumes and start fresh.
- The .env file was tricky to figure out. We fixed the database by troubleshooting with the group during lab.
- Figuring out the logic behind the friend request and leaderboard invites was difficult. It took a long time to code and debug.
- Creating databases that properly corresponded with the written code was a minor challenge. It was easy to overcome by brainstorming and walking through the code.
- Pulling from the main branch caused problems for everyone. We overcame the challenge by learning how to properly merge conflicts/commit to the branch to prevent the issue from occurring again.

Future Scope/Enhancements

- **Notifications**
 - To remind users about tasks and study goals.
- **Avatar customization**
 - More options to expand on such as more clothing and themes.
- **App version**
 - To allow for use on phone and potentially push to Google Play Store/Apple Store.
- **Donations**
 - Users can choose to convert 1000 coins into \$1 and donate it to real college scholarship funds.
- **College-wide Competitions**
 - Represent your college and compete against other universities to promote studying.

Demo



<https://datura.onrender.com/>