



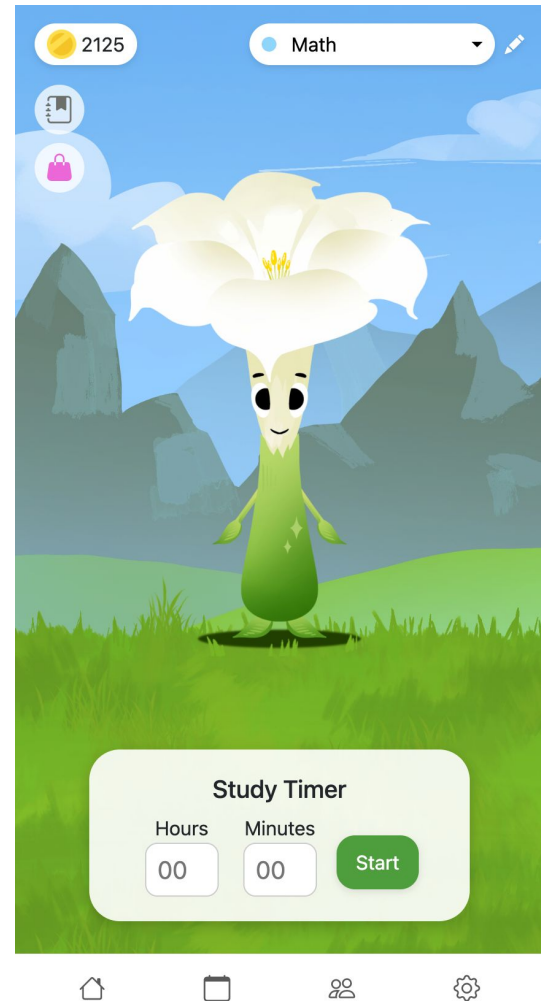
# Datura

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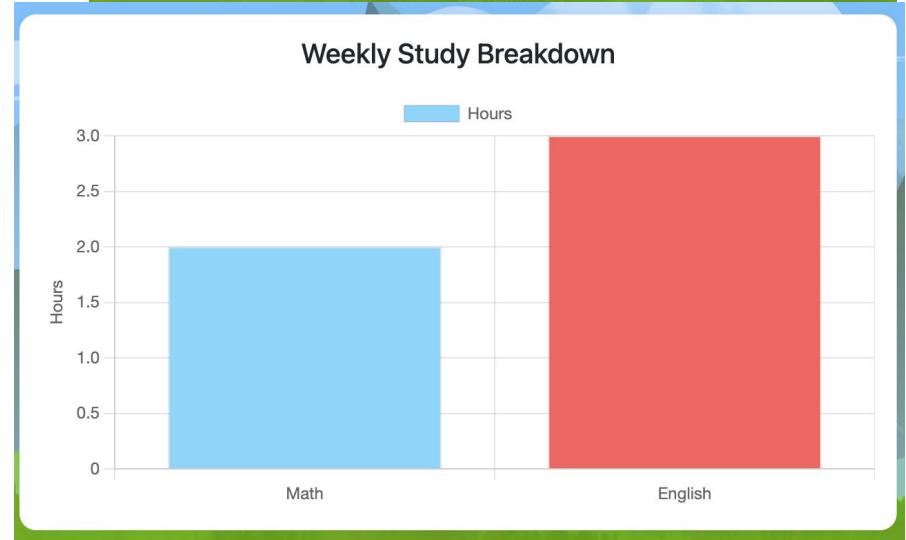
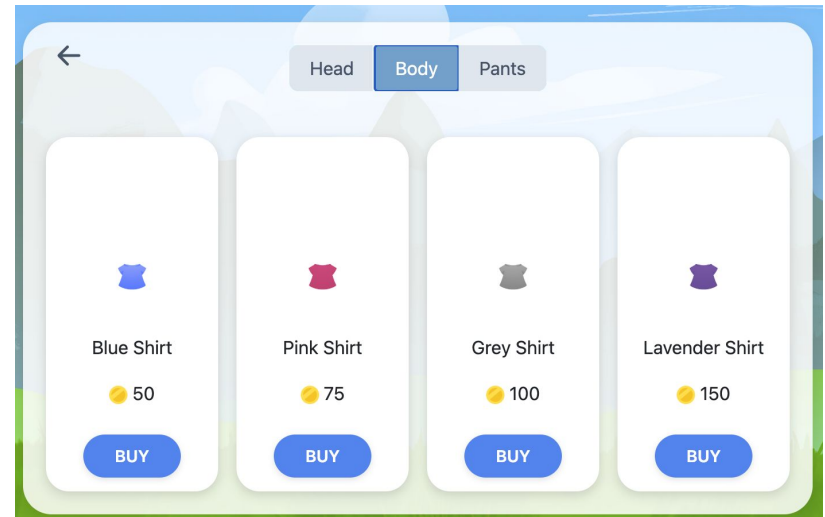
# Description of Project

- 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.

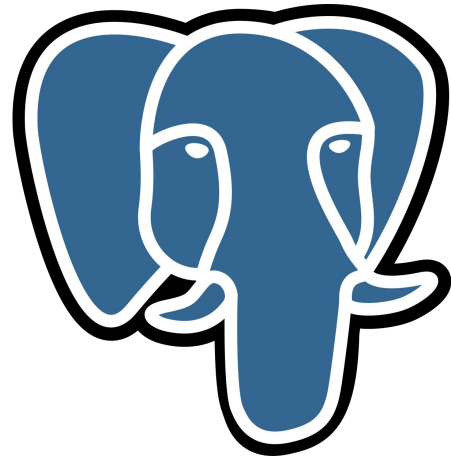


## Tools used

**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



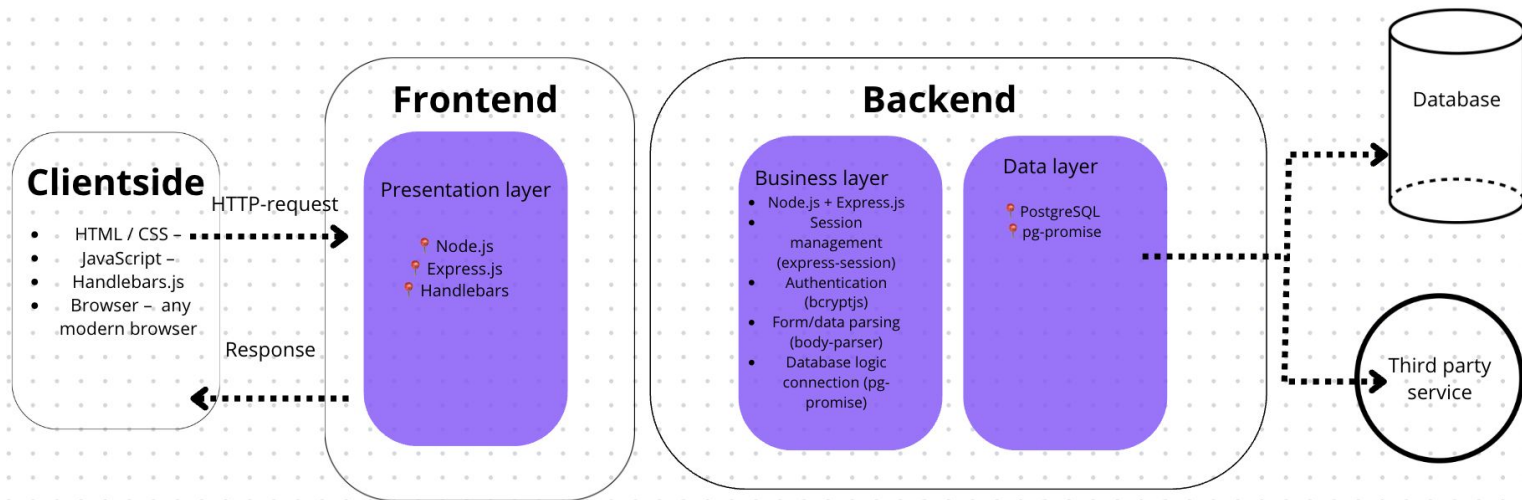
**Render**

**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/>