Romberg Web App

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Team 2 - Sophia C, Syed M, Manik S

Code -

https://github.com/search?q=org%3Aa2approm+author%3Ajdmortson&type=commits

Artifacts -

/courses/cs410/s26/hdeblois/GROUP2/longproj01/t2-WR/jmortson-artifacts

Website -

https://a2approm.github.io/Manik_Data_For_Romberg/

Supabase -

https://supabase.com/dashboard/project/xmxyschvrqcqhqznjdgu

Task 1 - Data Ingestion

Establish recording protocol, record test trials, modify csv upload area

Task 2 - Frontend UI

Create educational html page, ground truth classifier buttons

Task 3 - Supabase Backend

Configure website backend integration and simple schema

Task 4 - Data Storage & Validation

Setup backend to store user uploaded csv files along with predictions and output

Task 5 - ML Retraining

Build a script to automatically retrain model with stored files

T - Shaped Skills

Initial T-Skills -
/home/jmortson
1691.txt

Frontend UI/UX

Supabase

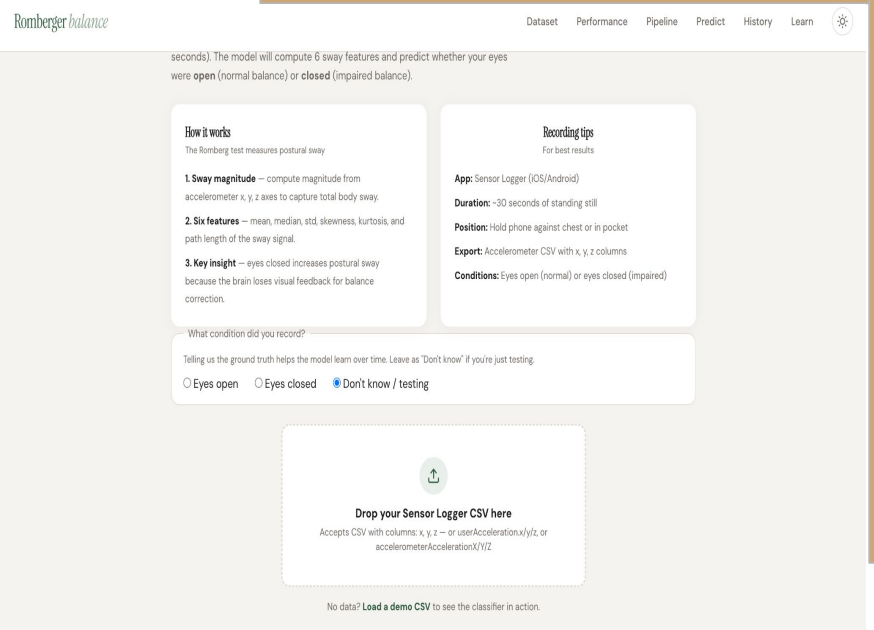
Test Driven Code

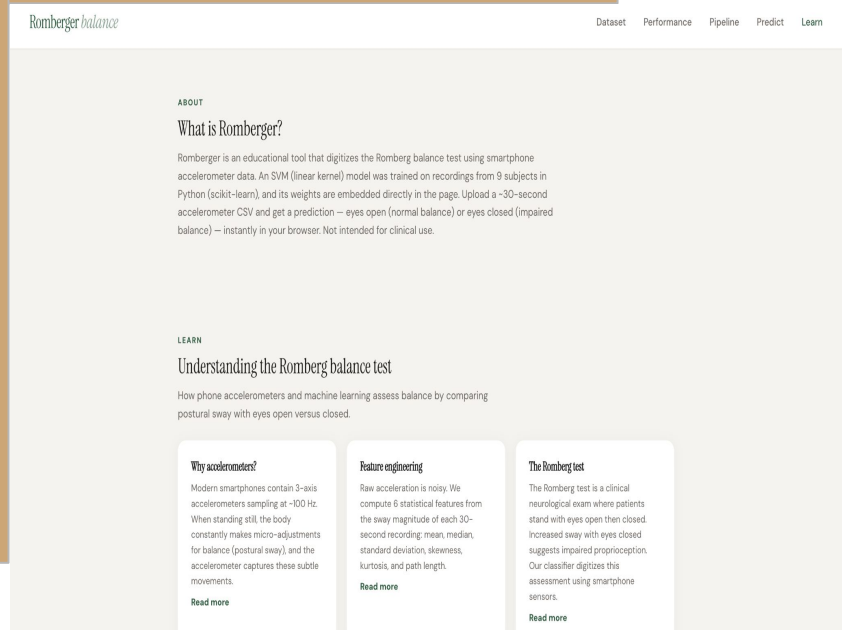
Database Management

Backend Integration

GitHub

Project Management





Additional Work

- Finish ML retraining script
  - Any new csv file input into the site are added to the initial training dataset
  - Every week a script grabs the new files and retrains our model
  - Model is updated on GitHub if new version proves to be more accurate than previous version
- User Authentication
  - Build a login and sign up area
  - Users must have a unique account to upload
  - Stores upload history, previous results

Rpaper.pdf - /home/jmortson/cs410
1691.pdf