GitHub:

* Git branch
  + See which branch you are on
* Git fetch origin
  + Get the list of new updates and branches available
* Git reset –hard
  + Resets back to the last push
* Git checkout Josh
  + Switch to this branch
* Git pull origin Josh
  + Get the latest Josh branch

Running the System

* Frontend
  + Navigate to frontend
  + Npm install
    - Ensure dependencies are up to date
  + Npm run dev
    - Run in development mode
  + Npm run build
    - Compiles vue app needs to be compiled again
  + Npx cap sync android
    - Updates Android project with the latest web build
  + Npx cap copy android
    - Sync with android build
  + Npx cap open android
    - Open in android studio
* Backend
  + Navigate to frontend
  + Npm install
    - Ensure dependencies are up to date
  + Npm start
    - Starts the backend
* AI Python Microservice
  + Navigate to ai microservice
  + python -m venv venv
    - Setup virtual environment
  + .\venv\Scripts\Activate
    - Activate virtual environment
  + pip install -r requirements.txt
    - Install all libraries
  + Start the AI Service (both options viable)
    - Python –m app.main
    - python -m app.main
    - uvicorn app.test:app –reload
  + Sending Packages for Testing
    - curl -X GET http://127.0.0.1:8000/health
    - curl -X POST http://127.0.0.1:8000/predict \ -H "Content-Type: application/json" \
    - -d '{
    - "accelerometer": [0.1, -0.2, 9.8],
    - "gyroscope": [0.01, 0.02, 0.03],
    - "gps": [37.7749, -122.4194],
    - "barometer": 1013.25
    - }'
    - curl -X POST <http://localhost:5000/api/ai/predict> -H "Content-Type: application/json" -d "[@mock\_v2\_payload\_600.json](mailto:@mock_v2_payload_600.json)"