



# GRAFFTRAK

Team Members:

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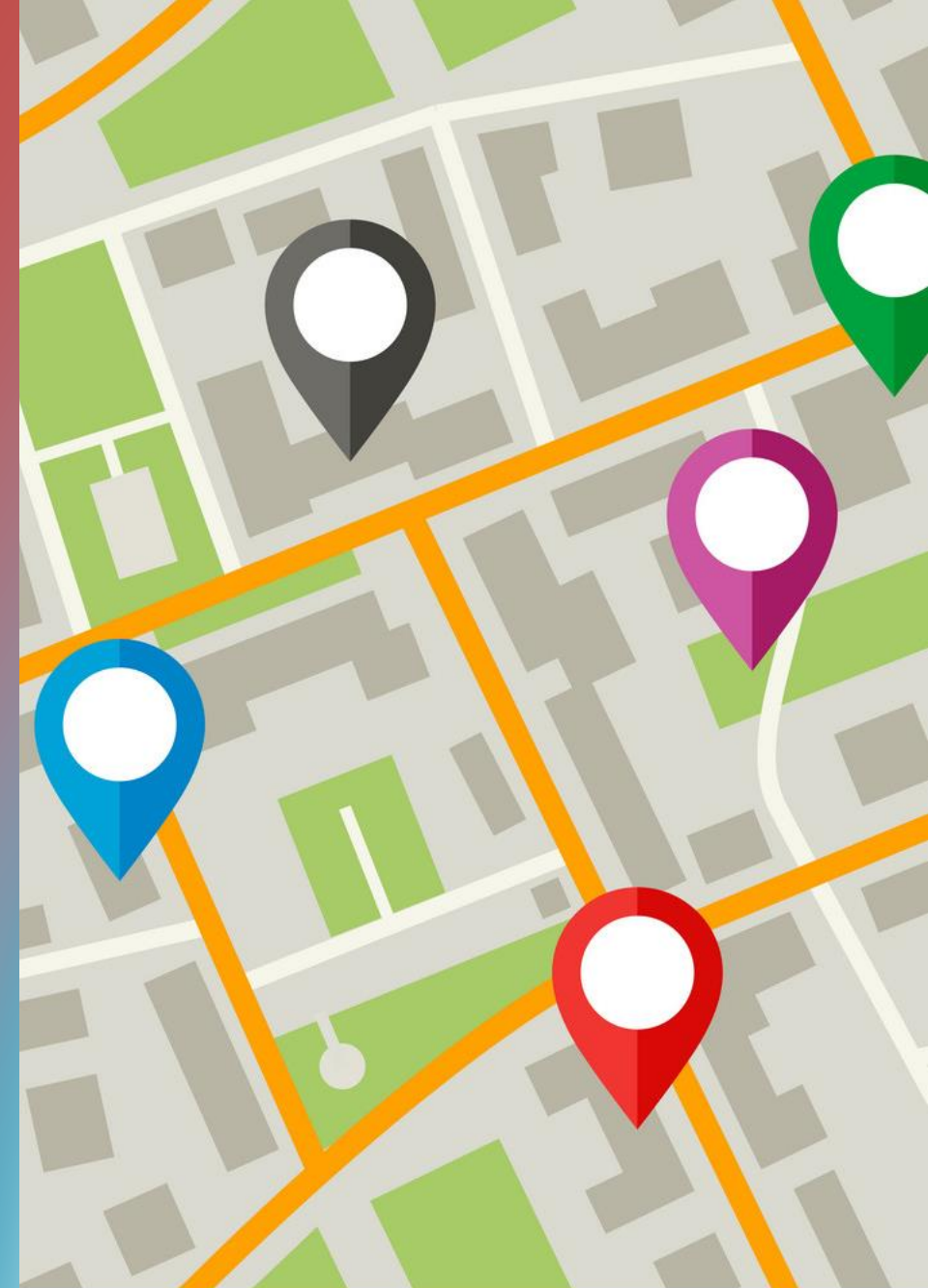
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## Project Description

- An app made to allow anyone to share street art!
- The app allows a user to see pictures of graffiti in their town, arranged by location on a pin map!
- Users can also comment on posts, view their profile and follow artists! Instagram for graffiti!

# Tools Used

-Github 5/5 stars, allowed easier collaboration and branching as well as effective CI/CD and automated code enforcement with actions

-PostgreSQL 5/5 stars, our chosen DB to create an emirsive experience across devices

-HTML 5/5 , used as the base of the frontend of the website

-Handlebars 5/5 , templating engine to display dynamic data.

-Tailwind 5/5, our chosen CSS framework to decorate the frontend

-Docker 5/5, a containerization tool allowing isolated development enviroments

Webpack 5/5, a common bundling tool for optimized production builds



handlebars



# More Tools Used

-NodeJS 5/5 , our js runtime enabling us to run js off a server for our API

-Render 3/5, allowed us to host our full application. Limited other cloud functionality for future projects

-Mocha and Chai 3/5, created automated unit testing enabling higher levels of QA

-Express 4/5, our api framework for handling routes, data base communications, and protected routing logic.

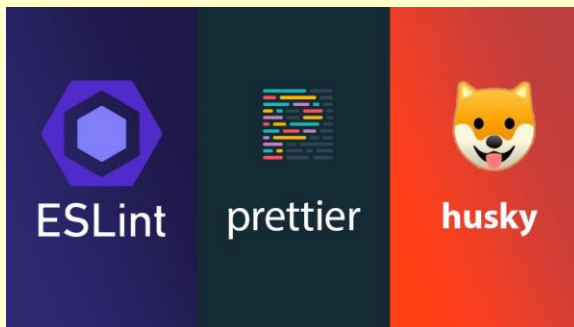
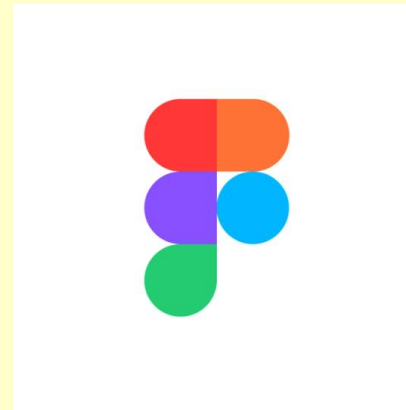
Leaflet 5/5 , displaying open source vector tile maps and pings

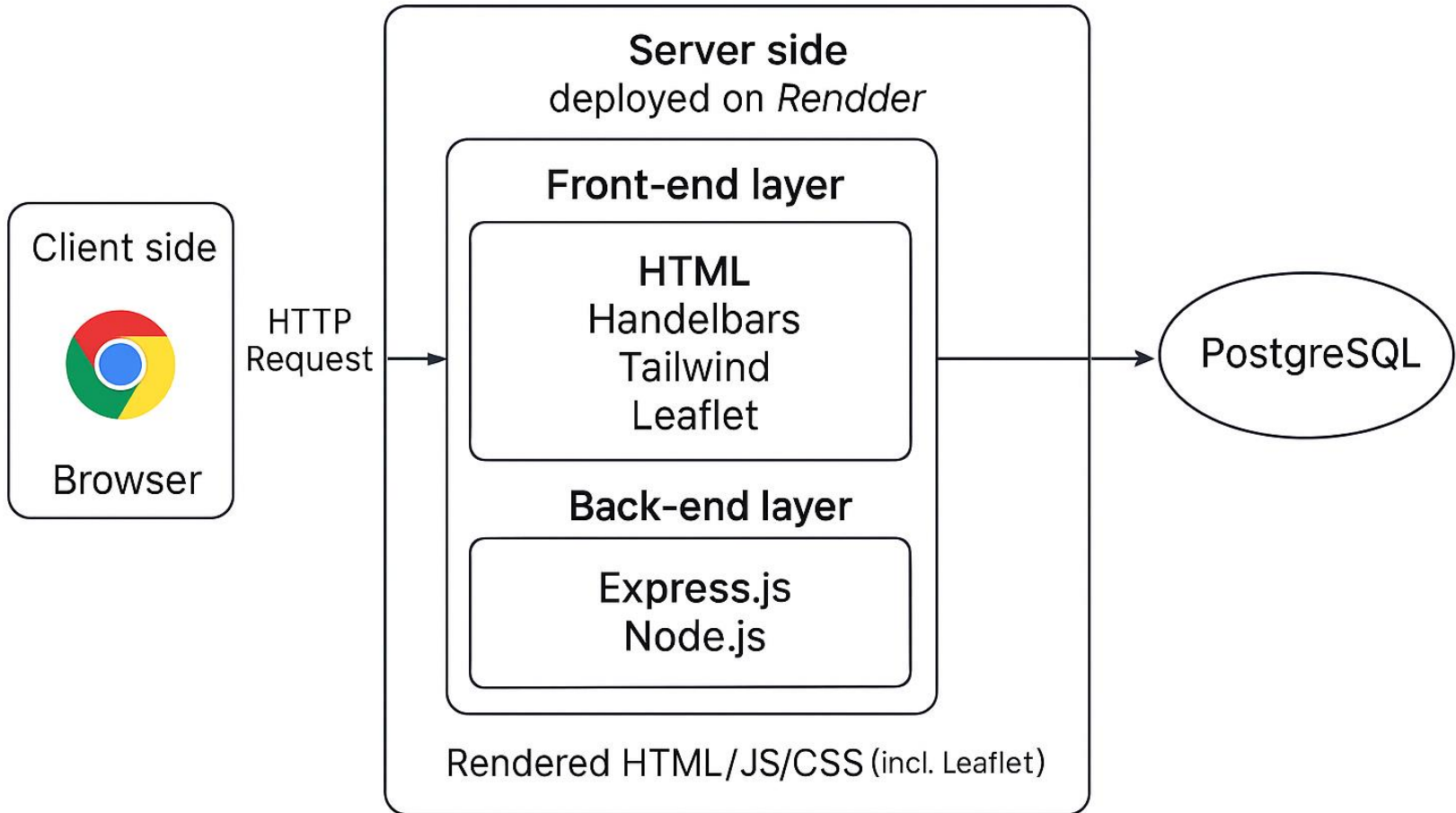
Microsoft team 5/5, effective method of communication for group chats and video calls.

Figma 4/5, creating mock UI outlines for strong planning and hitting the ground running

Husky 4/5, was hard on a monorepo structure but once we got it working, it provided helpful code enforcement and checks to keep our production code clean

Nodemon 5/5, HRM for live development





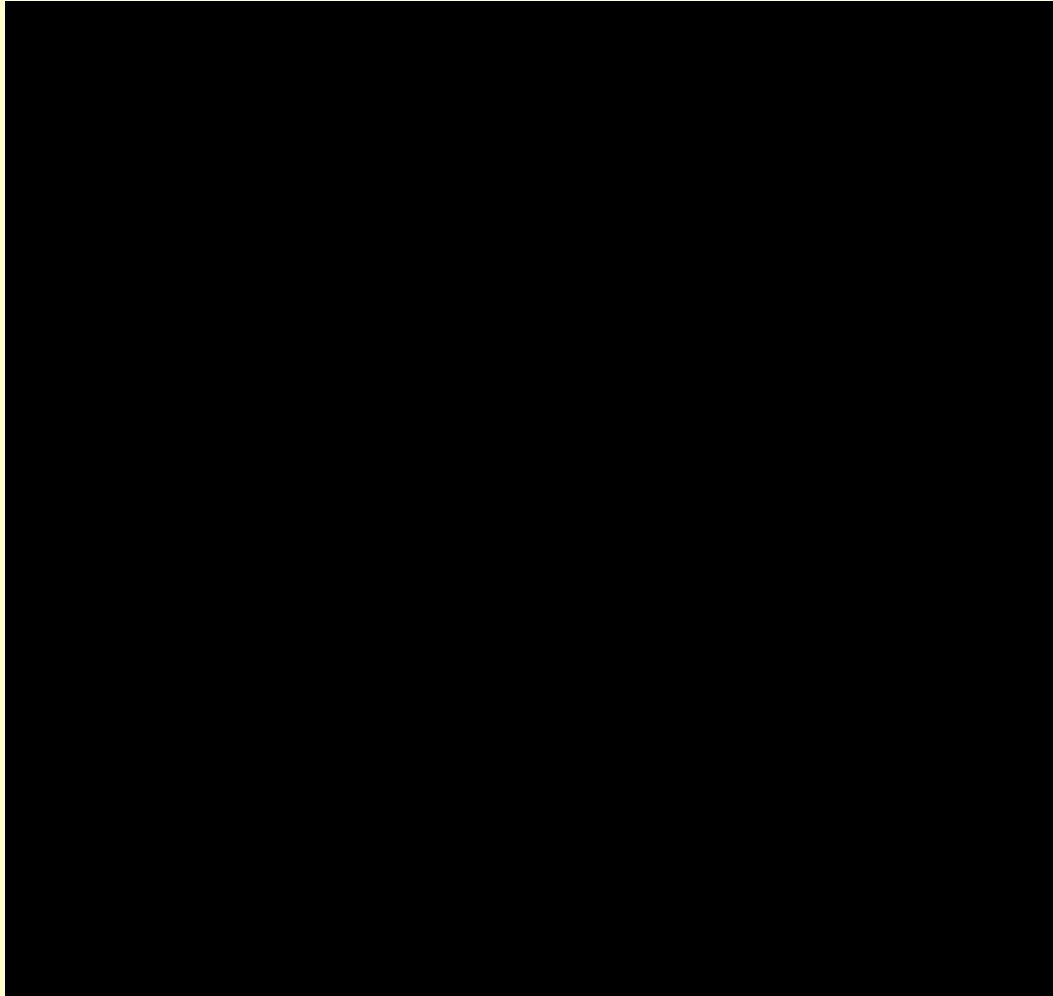


# Challenges

- Implementing Git flow (merging multiple branches, and managing merge conflicts)
- Testing
- Insert screenshots
- Picture hosting



# Demo video





## Future Scope/Enhancements

- Users being able to submit their own graffiti pictures
- Host images in S3 bucket for easier user upload
- Instead of showing 1 picture, show history of graffiti's evolution (include a pictures-over-time carousel in popup)
- Include a search bar to search specific graffiti posts or users
- Integrate OAuth
- Add Bio and profile picture for users
- Add ability for replies





# Q&A

- Any questions ?