

## Team MacroHard (016-01)

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# LUMI - Project Milestone 6

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## TOOLS

**Project Tracker:** Trello, Written Agenda

**Methodologies:** Waterfall, Agile (Kanban), Peer Programming, Peer Code Reviews

**VCS Repository:** Git and GitHub

**Front-end:** EJS, CSS, Javascript

**Back-end / Server:** Javascript, npm, Docker

**Database:** PostGreSQL

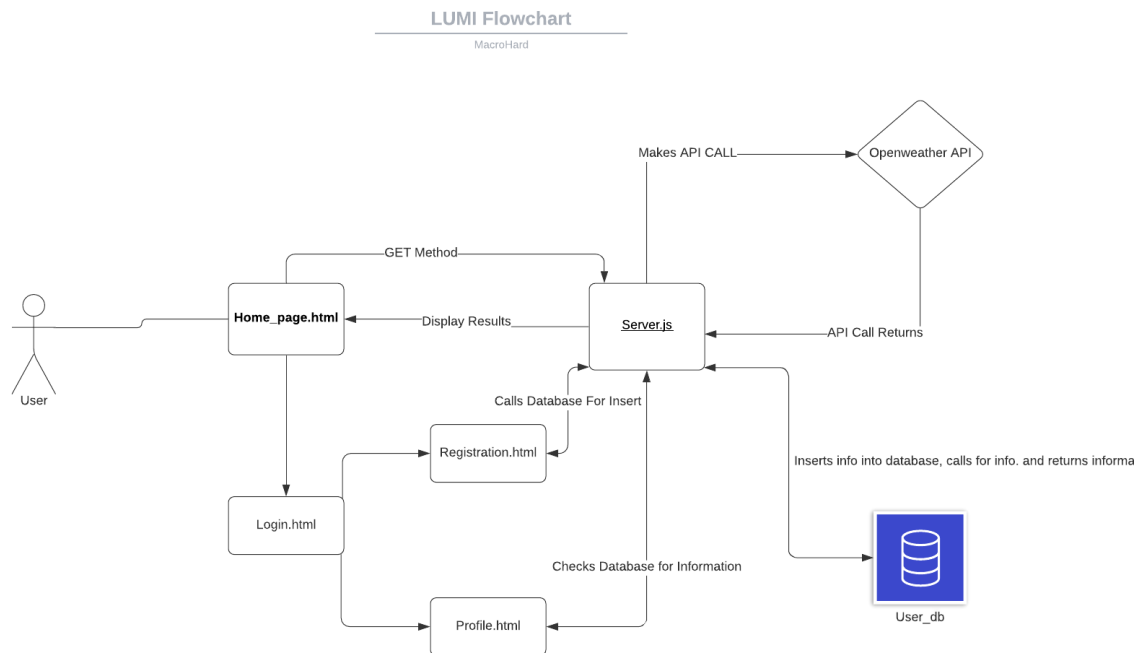
**API / Packages:** Mapbox, OpenStreetMap, openweather, bcrypt

**IDE:** VSCode, Jupyter Notebook

**Framework:** Bootstrap, NodeJS, Express

**Deployment Environment:** LocalHost

# ARCHITECTURE DIAGRAM



## CHALLENGES

1. Consistent template and coloring style between each website page
2. Implementing and calling API data's that has yet to exist (Snow thickness without any place that has snow)
3. Integrating backend with frontend (Had to change html format into ejs format while setting up docker to allow connection between packages)
4. Creating routes that are clear and easily understood by others
5. Creating clear codes with comments
6. Making sure that it passes all user-acceptance test requirements
7. Merging and changing files through github without compromising each other's code
8. Making the Map display weather data

9. Making the map show each run color coded by difficulty