

# *Tailos*

## Explanation:

A page for high school students (any high school) to use on a daily basis, including components such as the day's weather and public transportation information (ex: train delays).

We will get the ip address of the user through ipapi. We will run the latitude and longitude into the traffic api to display traffic conditions near the latitude and longitude that we input. We will find weather based on the location of the city that the user's ip address is in.

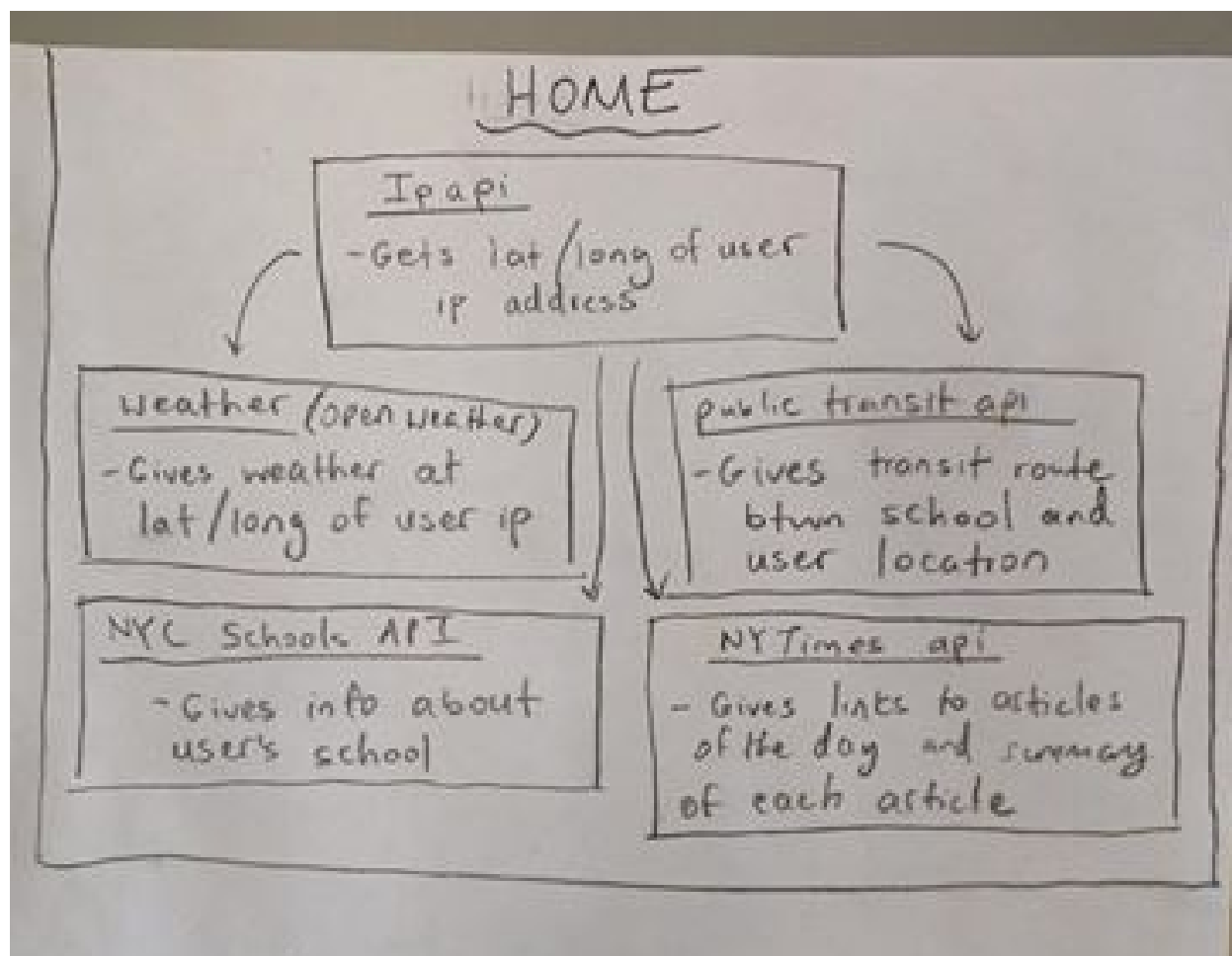
## Program Components

- Authentication
  - You do not need to be logged in to access the website, but your options are more limited.
  - Register: create user and password and input your high school.
  - Login: Leads to more user targeted information, such as their school information on their home page.
- School
  - Information about your school (for logged in users only)
    - Used in other apis, such as the public transportation api for route finding.
- Weather
  - Weather shown using a weather api, based off coordinates found by the ip api.
- News
  - Daily news with links to the articles, with the titles and brief summaries shown.
- Public Transportation/Traffic
  - Lists of accidents near your area through the traffic api (location from the ip api).
  - Gives a route to and from your school (for logged in users only) using the public transportation apis.

## Roles:

- Emily
  - Foundation, APIs (News)
- Max
  - PM, APIs (Schools, Traffic)
- Isaac
  - APIs (Weather, Traffic)
- Brian
  - Authentication, working with IP

## Component Map

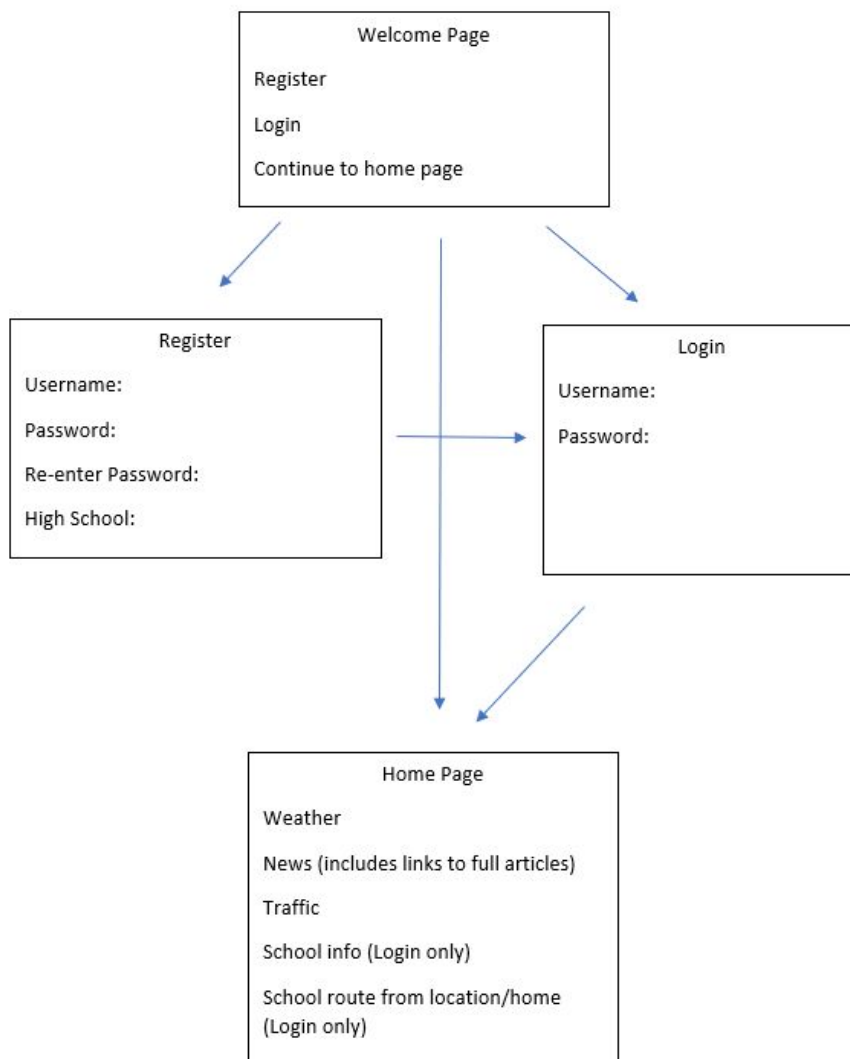


## Database Schema:

login

username	password	schoolName	longitude	latitude
TEXT	TEXT	TEXT	DECIMAL	DECIMAL

## Site Map:



## API Links:

- NYC Schools: <https://data.cityofnewyork.us/resource/g2qs-86ey.json>
- Traffic: <https://developer.mapquest.com/documentation/traffic-api/>
  - Public Transportation: <https://developer.here.com/documentation/transit/topics/what-is.html>
  - MTA: <http://datamine.mta.info/>
- News: <https://newsapi.org/>
  - New York Times: <https://developer.nytimes.com/>
  - Top Stories: <http://developer.nytimes.com/>
- Weather: <https://openweathermap.org/api/>
- IP: <https://ipapi.co/>