

Group 12-2

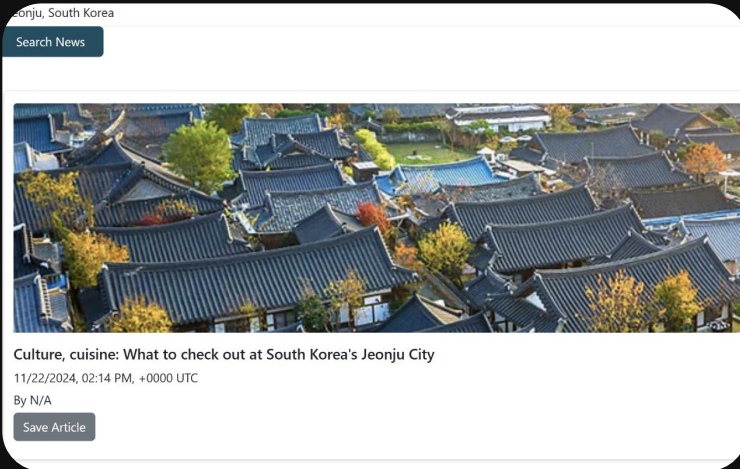
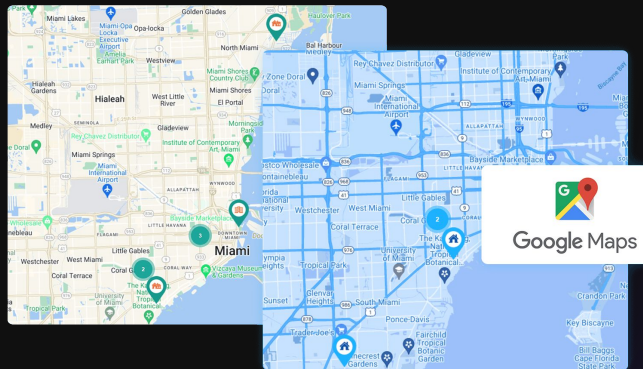
WhatsHappenin

By: Aidan Donnelly, Alicia Zhang, Eric David,
Kenneth Flowe, Luke Wu



Project Overview

- What is WhatsHappenin?
 - A web application that delivers location-based news with a simple pin-drop
 - Explore internationally and get recent news on places you're interested in
 - For those who are generally just curious, or want to keep up with news
- Features
 - Real-time local news depending on your pin
 - Save articles and easily open linked to ones you want to read



Tools Used

Methodologies

Agile 5/5

Iterative 5/5


Peer Code Reviews 5/5

Continuous Integration 5/5

Scrum 5/5


Kanban 5/5


Tools

Discord 5/5 
Communication and Collaboration

Bootstrap 2/5 
CSS Framework for Styling


Tailwind 5/5 
CSS Framework for Styling

Bcrypt 5/5 
JS Library for Password Hashing and Authentication

GitHub 5/5 
VCS Repository, Project Tracking

VS Code 5/5 
IDE

PostgreSQL 5/5 
Database

Docker 4/5 
Containerization and Virtualization


Draw.io 4/5 
Wireframing and UI tool

HTML and CSS 4/5 
UI Tools

Handlebars 3/5 
UI Tool (templating)


Node.js 5/5 
Application Server

Render 4/5 
Deployment Environment

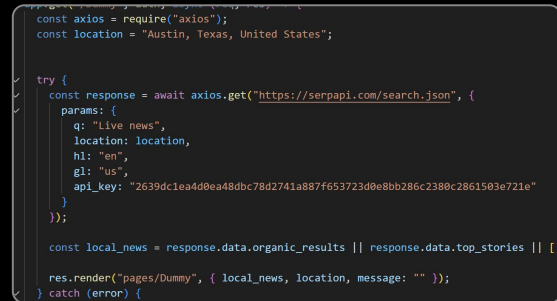
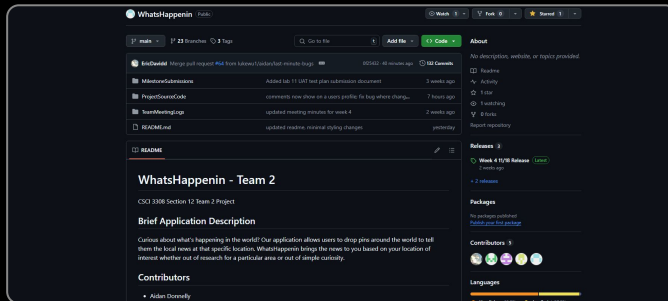
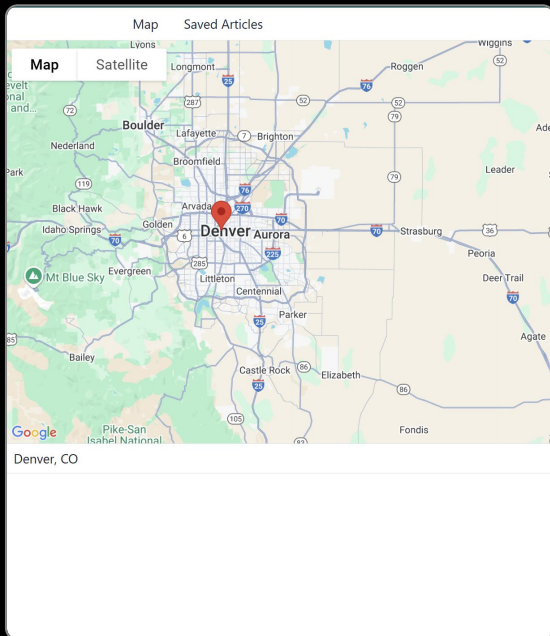
Google Maps API 5/5 
External API for map feature and pinning

SerpAPI API 3/5 
External API for news search

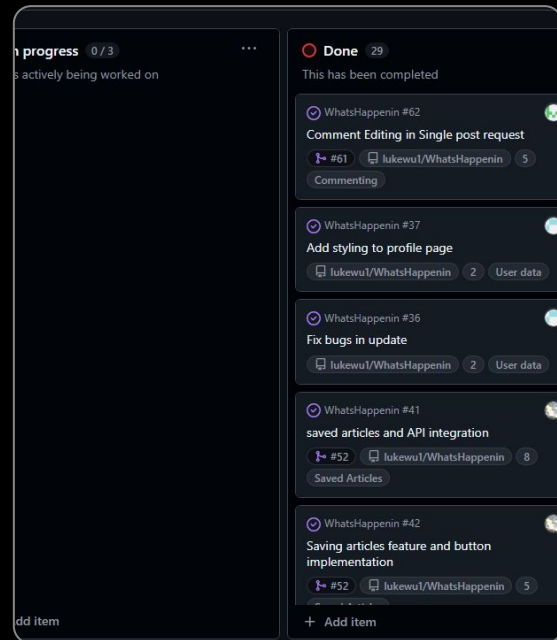
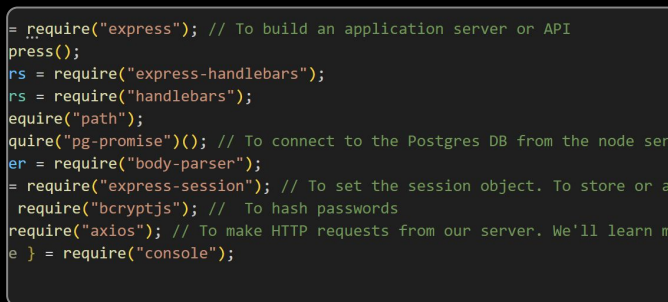
Express.js 5/5 
Web Application Framework

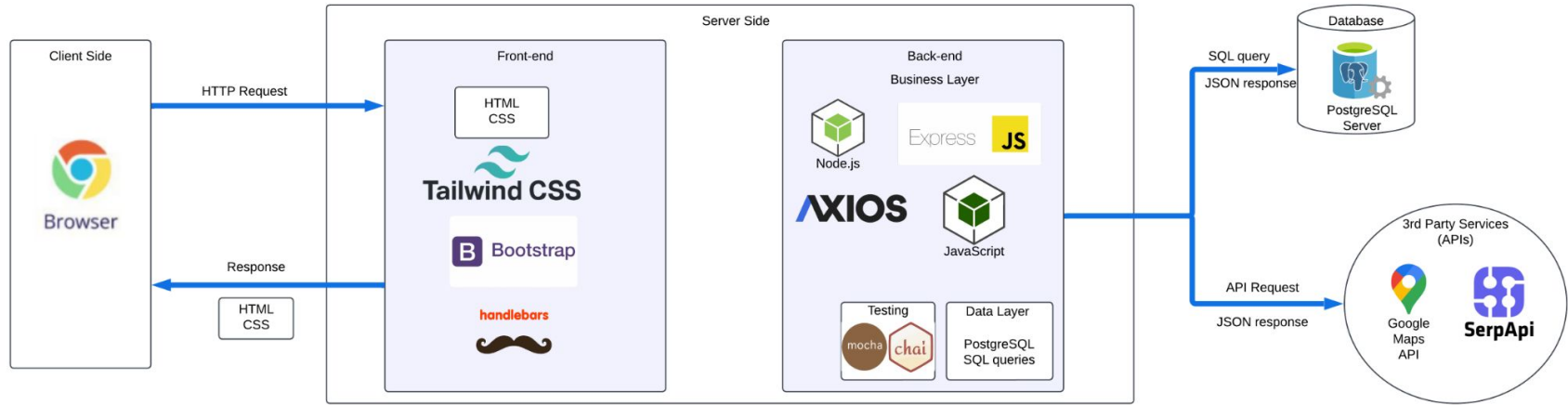
Mocha and Chai 4/5 
Testing Framework and Assertion Library

Axios 5/5 
HTTP Client for making API requests



Tools in Use





Architecture Diagram

Database Design

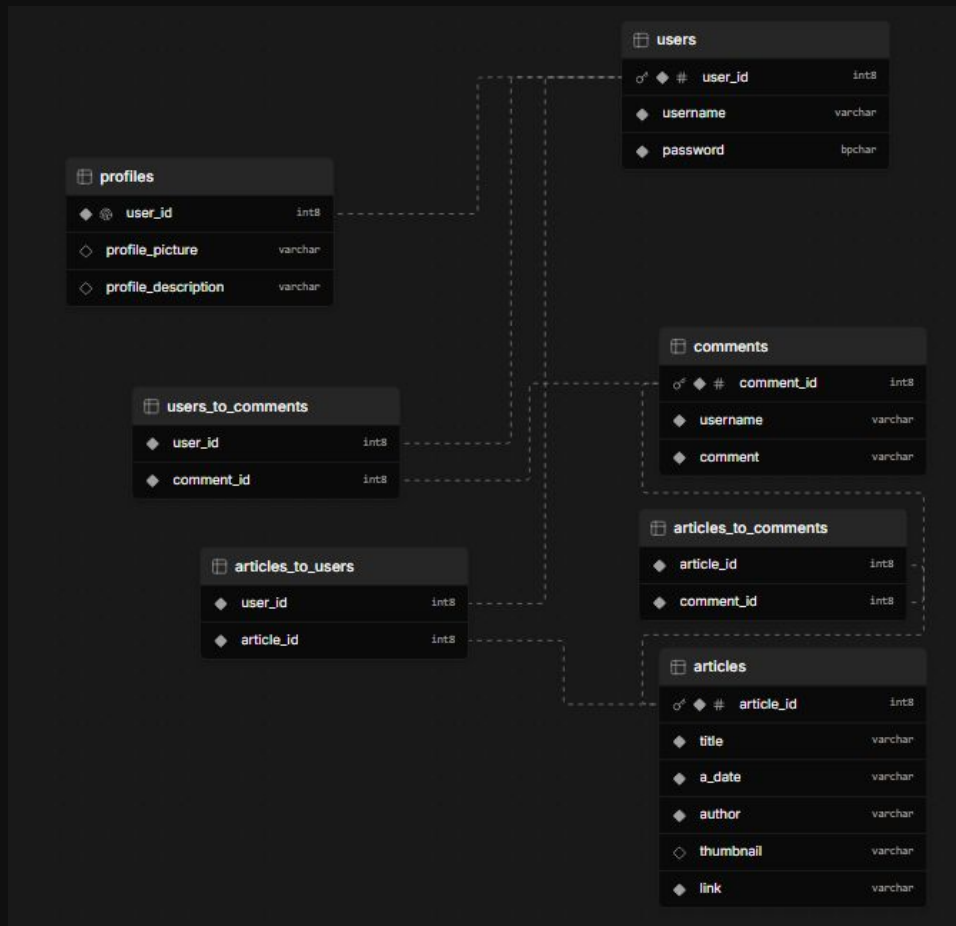
🔑 Primary key

Identity

🔒 Unique

◇ Nullable

◆ Non-Nullable



Future Scope/ Enhancements

Randomizer Feature and Filtering

- Allows users to explore random locations and discover news from areas they might not think to search with a click of a button
- Enable users to customize news by category (e.g., politics, sports, entertainment) or source preferences

Include Timeline Option

- Allow users to view historical news from specific dates or periods for a chosen location
- Have a draggable timeline bar that lets users drag to a specific year or period

Further Styling Enhancements

- Instead of redirecting into a new page for results, place cards under map for aesthetic and functional purposes
- Allow for more profile and social integration in comments and profile

Challenges

Integration of Actual API Data with Features

- Difficulty with replacing mock data code with actual information coming from API
- Slowed down process and forced to rewrite code
- Worked together to discuss how each segment interconnects

Limited API use

- Limited number of calls per month
- Cannot extensively test, consider data dump
- Using local caching of API data when user saves article instead

Database Design

- Complications using 2 API's
- How to organize and sort data from both API's?
- Think about article and comment interaction from users
 - Create relation tables

Group 12-2

