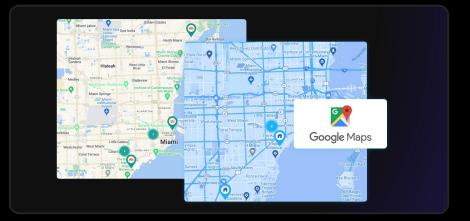
WhatsHappenin

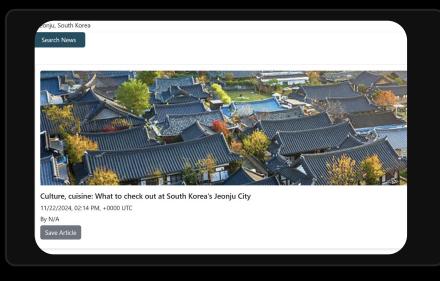
By: Aidan Donnelly, Alicia Zhang, Eric David, Kenneth Flowe, Luke Wu



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





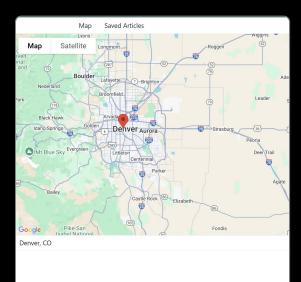
Tools Used

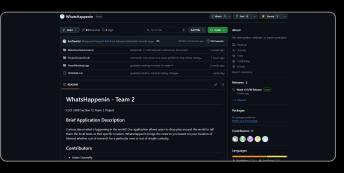
Methodologies

Agile	5/5
Iterative	5/5
Peer Code Reviews	5/5
Continuous Integration	5/5
Scrum	5/5
Kanban	5/5

Tools		
Discord Communication and Collaboration	5/5	
Bootstrap CSS Framework for Styling	2/5	B
Tailwind CSS Framework for Styling	5/5	~
Bcrypt JS Library for Password Hashing and Authentication	5/5	P

GitHub VCS Repository, Project Tracking	5/5	
VS Code	5/5	×
PostgreSQL Database	5/5	
Docker Containerization and Virtualization	4/5	—
Draw.io Wireframing and UI tool	4/5	A
HTML and CSS UI Tools	4/5	5 5
Handlebars Ul Tool (templating)	3/5	handlebars
Node.js Application Server	5/5	
Render Deployment Environment	4/5	•
Google Maps API External API for map feature and pinning	5/5	P
SerpAPI API External API for news search	3/5	
Express.js Web Application Framework	5/5	ΘX
Mocha and Chai Testing Framework and Assertion Library	4/5	MočHA chai
Axios HTTP Client for making API requests	5/5	'XIOS





Tools in Use

```
function getCity(latLng) {
    const geocoder = new google.maps.Geocoder();
    geocoder.geocode(( location: latLng ), (results, status) => {
        if (status === "OK" && results[@]) {
            let city = null;
            let city = null;
            let country = null;
            for (const component of results[@].address_components) {
            if (component.types.includes("locality")) {
                city = component.long_name;
            }
            if (component.types.includes("administrative_area_level_1")) {
                state = component.short_name;
            }
            if (component.types.includes("country")) {
                  country = component.long_name;
            }
            recomponent.short_name;
            }
            recomponent.short_name;
            recomp
```

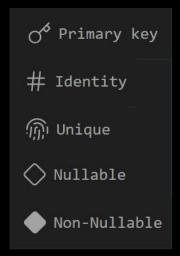
```
= require("express"); // To build an application server or API
press();
rs = require("express-handlebars");
rs = require("handlebars");
quire("path");
quire("pg-promise")(); // To connect to the Postgres DB from the node serv
er = require("body-parser");
= require("express-session"); // To set the session object. To store or ac
require("bcryptjs"); // To hash passwords
require("axios"); // To make HTTP requests from our server. We'll learn mc
e } = require("console");
```

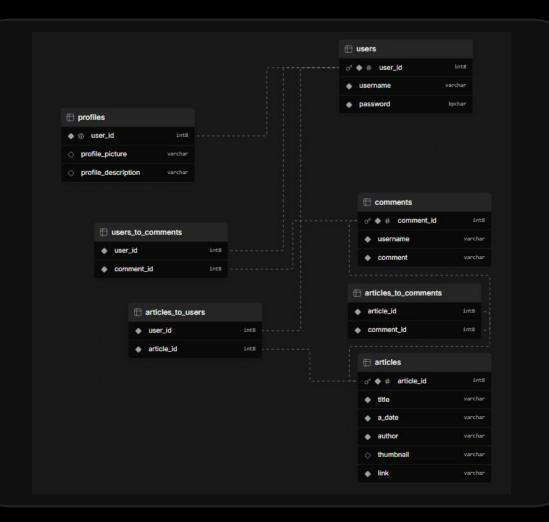
```
O Done 29
progress 0/3
actively being worked on
                                             Comment Editing in Single post request
                                               $ #61 ☐ lukewu1/WhatsHappenin 5
                                              Add styling to profile page
                                               ☐ lukewu1/WhatsHappenin 2 User data
                                             Fix bugs in update
                                              saved articles and API integration
                                               $ #52 ☐ lukewu1/WhatsHappenin 8
                                              Saving articles feature and button
                                              implementation
                                               3 #52 ☐ lukewu1/WhatsHappenin 5
dd item
                                             + Add item
```



Architecture Diagram

Database Design





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

