

**Team Name:** GaslightingGatekeepingGodsPt4

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## API PLANS

The API's we will use are the Google Maps API, Air Quality API, Water Quality API, and to some extent, the Country API. We will use the Google Maps API to create an interactive map of the world (flat vector image). Once the user clicks on a specific region of the flat world image, a window will pop up in the corner of their screen for that country that displays relevant information specific to that country, like Air Quality and Water Quality. In order to fully customize the window, we will use the Country API to show data like flags and population.



Air Quality: [https://docs.openaq.org/reference/averages\\_v2\\_get\\_v2\\_averages\\_get](https://docs.openaq.org/reference/averages_v2_get_v2_averages_get)

Sample URL: [Sample Air](#)

Card: [Air Card](#)

Water Quality: <https://waterservices.usgs.gov/rest/>

Sample URL: [Water Quality Data Home](#)

Card: [Water Card](#)

Country: [REST Countries](#)

Sample URL: <https://restcountries.com/v3.1/name/united>

Card: [Countries API](#)

Sample Vision: [River Runner Global \(samlearner.com\)](#)

## FRAMEWORK

We will use Bootstrap because it offers us better customizations to our site that make our site look more professional. Such features include: progress bars, sliders, loading buttons, various colored/shaped buttons, customizable tables, collapsibles, forms, search bars, **modals(custom windows)**, and **tooltips/popovers(hovering will show text)**.

## PAGES

-Home.html is the Home Page. Will Display 2D Vector Map of Globe, countries will highlight themselves once hovered over. Modals will open with data organized in tables once the country is clicked. In modals, there will be a slider to change the zoom of the area in the image from the Google Maps API(center will default to capital).

-Login.html and Create\_Account.html have Logos, Team Names, and a Description. Remember Me Button will save sessions.

## DB ORGANIZATION

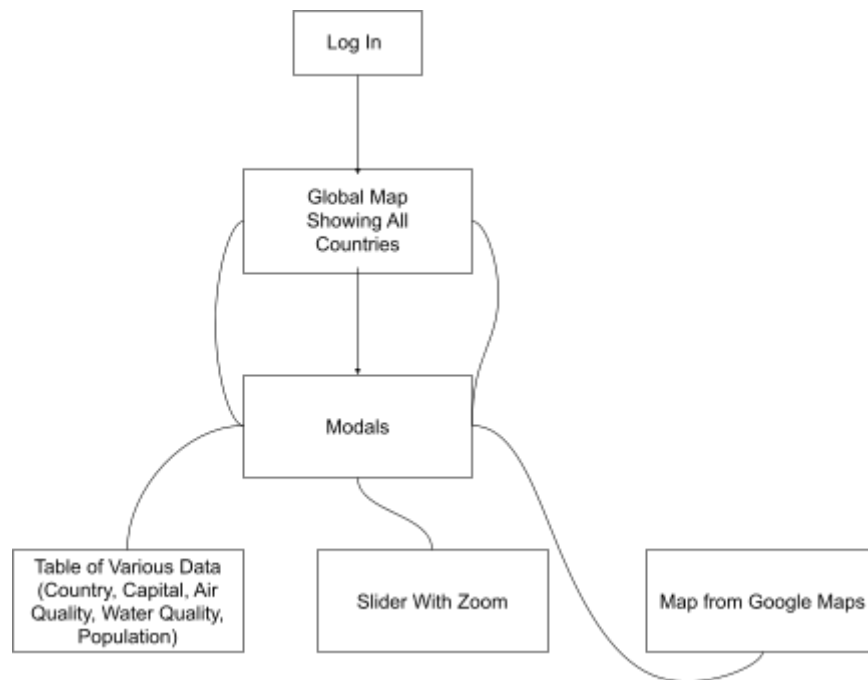
Username (Text)	Password (Text)

Country(Text)	WQ API(Text)	AQ API(Text)	Country API(Text)

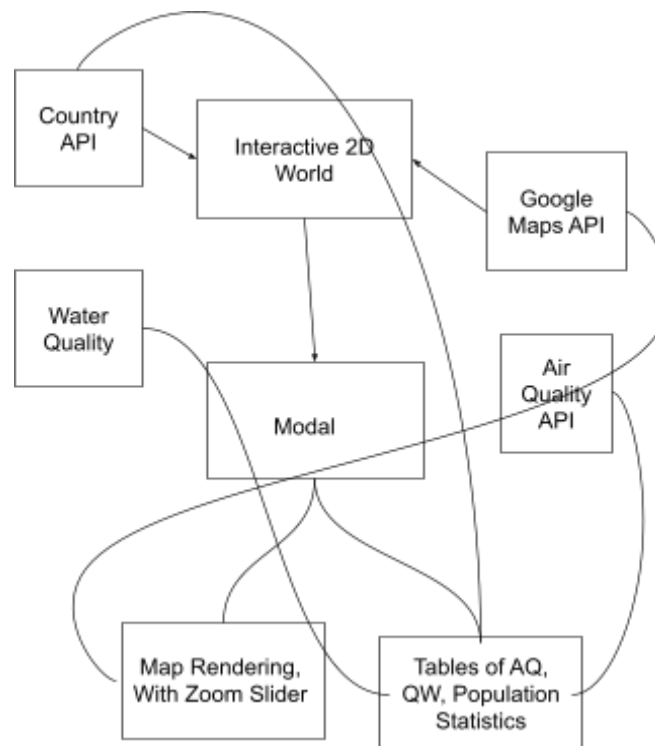
**Each Entry is a Separate Table. Keep in Mind Each Table will have a Different Number of Columns.**

API	Various Data(Text)
WQ	Water Quality Data Per Country
AQ	Air Quality Data Per Country In List
Country	Country Data Per Country In List

## SITE MAP



## COMPONENT MAP



## **BREAKDOWN OF TASKS**

**Nicholas:** Api Calls for Water Quality Services. Work on displaying a new window for the information associated with each country viewed on a map.

**Daniel:** API Calls for Air Quality API. Get Relevant Info and Work on Modals. Connect back to Frontend. Work on frontend features like collapsible menus.

**Jonathan:** API Calls for Countries API, sort through useful vs. not useful information that we will use. Get Relevant Info for Modals.

**Kevin: Creating** SQL database tables to store api call, updates in real time or whenever user inputs feedback with mouse click. Login/Register Authentication. Hover Country Selection Feature.