**Project Proposal**

**Stack Focus**

1. What tech stack will you use for your final project?

I plan on using MERN once I know more about handling the back end with it.

1. Is the front-end UI or the back-end going to be the focus of your project? Or are you going to make an evenly focused full-stack application?

I will be focusing on front end web application for this project. I will have a backend but it will by no means be the focus.

1. Will this be a website? A mobile app?Something else?

This project will be a Website for ease of access. It is far more convenient to use a website than an application, and that ease of access will appeal to more audiences.

1. What goal will your project be designed to achieve?

The goal of my website will be to show people how the internet connects us. How someone or something in a different country can be part of our daily lives. It will also show some of the differences in life through the crime statistics and weather

1. What kind of users will visit your app?In other words, what is the demographic of your users?

I intend to draw in the idly curious. Those that want a peek behind the curtain fo the internet. Aged 13 - 35

1. What data do you plan on using? How are you planning on collecting your data? You may not have picked your actual API yet, which is fine, just outline what kind of data you would like it to contain. You are welcome to create your API and populate it with data.

I plan on gathering the data from various already created API’s and formatting them in a user-readable way

**Type**

This will be a web application

**Goal:**  
Have an application that takes an IP address and shows the location using ip info API from: https://rapidapi.com/neutrinoapi/api/IP%20Info then using that data shows the crime rate for that area using https://rapidapi.com/andruxnet/api/world-cities - Takes ip address from user as input Uses IP to query world-cities api to find crime rate - Will allow user to compare their cities crime rate with the ip addresses city

**Demographic**

Users would like to know the source of the ip addresses that may be trying to access their computer

**Data**

I would like to have the ability to find the physical locations IP addresses are coming from

**Task Break Down  
  
Database Design**

{

"users": {

"Superman1": {

"name": "Ada Lovelace",

"city": “Orlando, FL, USA”,

“Searched”: {“Orlando, FL, USA”,“Kissimmee, FL, USA”},

},

}

}

**Source Data**

Location from IP address: <https://rapidapi.com/neutrinoapi/api/IP%20Info>

Able to take in IP address and show what city they came from

Crime rate by city: <https://rapidapi.com/andruxnet/api/world-cities>

Takes city as input and can show details like crime for the city and weather

**User Flow**  
Once user enters site they will be given an option between 2 buttons Find by IP address and City look up

* If city look up is selected user will be able to input city name and from there be able to see crime rate of the city
* If Find by IP address they will be given an input field to enter the IP address and it will then show the city name and the crime rate of that city
* There will also be an option in the upper right hand corner allowing the user to sign in which will populate a google sign in popup

**Setup Backend and database**

TODO:

Set up firebase database to handle logging in and data management

**Setup frontend**

To set up a React client app

**User Authentication**

User will be able to login and sign up on the frontend by entering email and password

If successful logged in or signed up, user will be authenticated and logged in