NYC Wifi Locator

By Rohit Chaudhari

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Aim:

- To create an app which can inform an user about availability of nearby public wifi.
- Enable the user to filter wifi based on different criterias.
- Use NYC Wi-Fi Hotspot Locations dataset.

Filters

Range

- The most important filter is search radius. The user's location is used as the center of the circle.
- Public wifi locations outside of the search radius are not shown to the user.
- The upper limit of search radius is set at 2 miles.

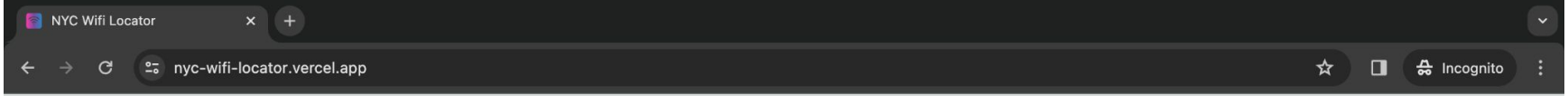
Wifi Type

- The user can choose between “Free”, “Limited Free” and “Any” for wifi type.
- Wifi locations which do not match with the user selected wifi type are removed from the curated selection.

Webpage

Webpage (Next.js)

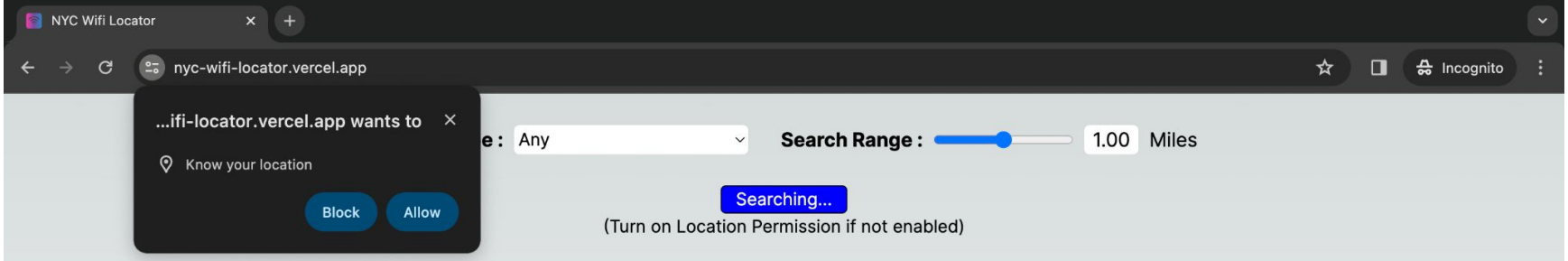
- The webpage gets the user location using the Geolocation API via the browser.
- It then filters the NYC public wifi data to get wifi locations that match the filters.
- The curated wifi location data is presented to the user on a google map using the Google Maps API.
- User can click on the markers to view the info windows.
- User can select “View on Google Maps” link in the info window to open the location in the Maps App on a phone or on google.com/maps to get directions.
- Webpage link.

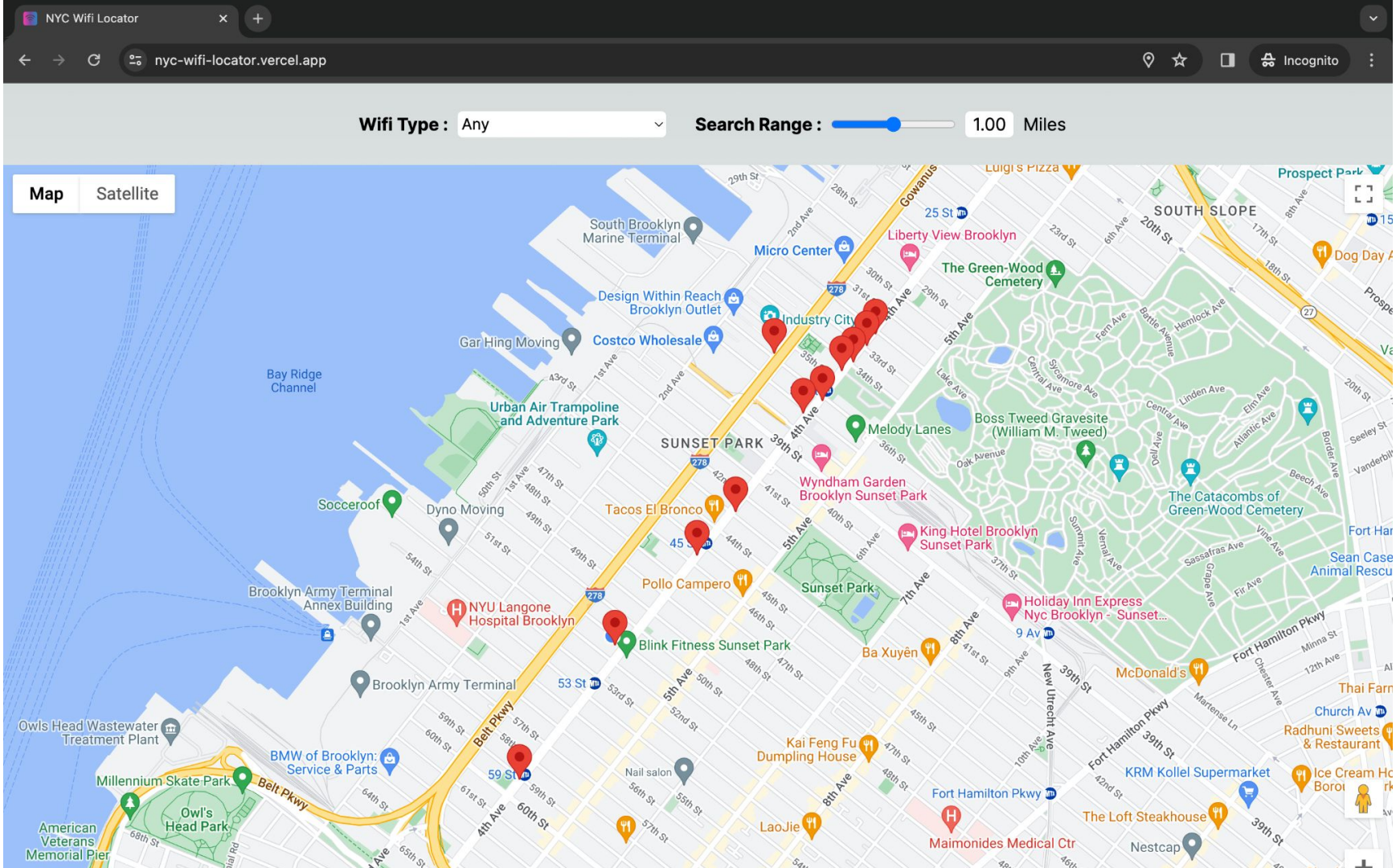


Wifi Locator

Wifi Type : Any **Search Range :** 1.00 Miles

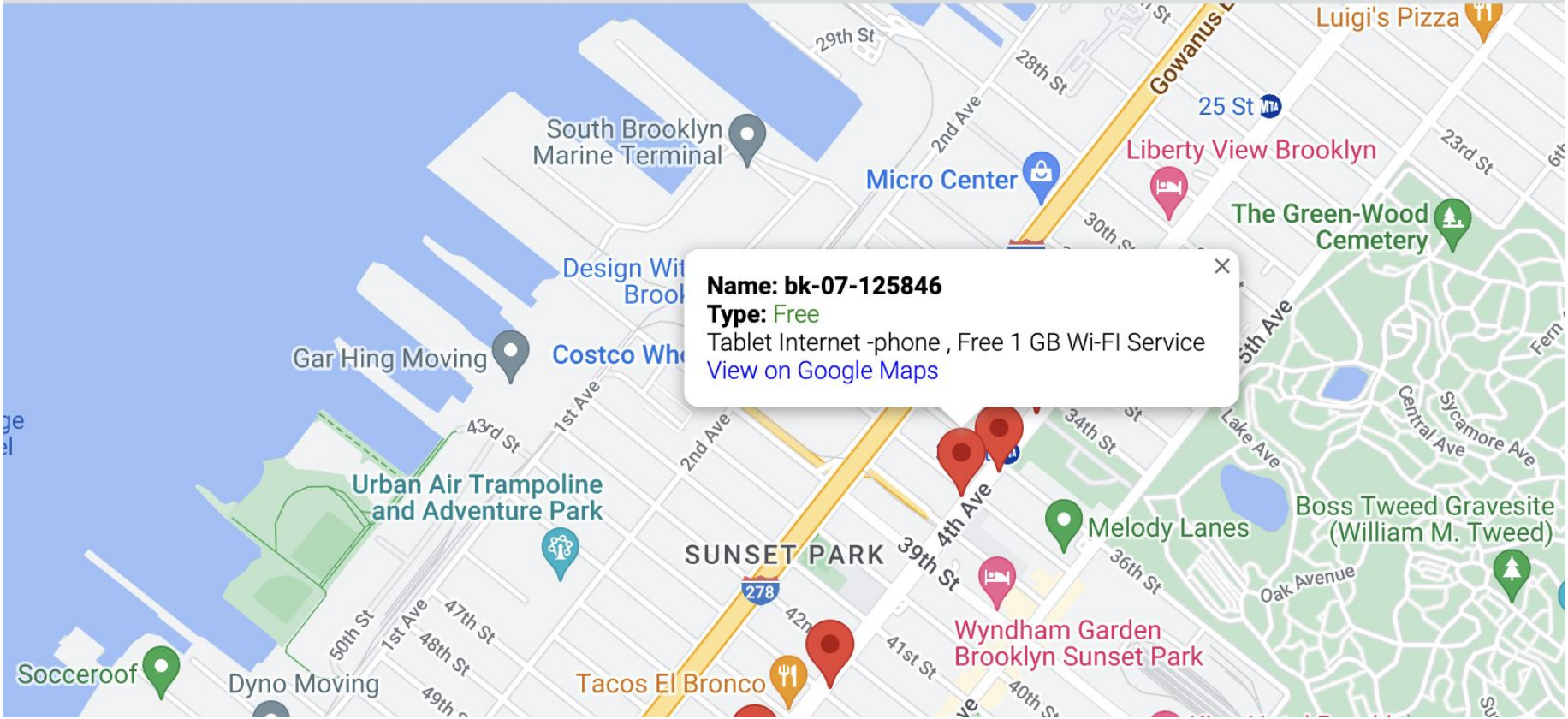
Search


NYC Wifi Locator
nyc-wifi-locator.vercel.app
Incognito
...ifi-locator.vercel.app wants to
Know your location
Block
Allow
e : Any
Search Range : 1.00 Miles
Searching...
(Turn on Location Permission if not enabled)


NYC Wifi Locator
nyc-wifi-locator.vercel.app
Incognito
Wifi Type : Any
Search Range : 1.00 Miles
Map
Satellite
South Brooklyn Marine Terminal
Micro Center
Liberty View Brooklyn
The Green-Wood Cemetery
SOUTH SLOPE
Design Within Reach Brooklyn Outlet
Industry City
Gar Hing Moving
Costco Wholesale
Bay Ridge Channel
Urban Air Trampoline and Adventure Park
SUNSET PARK
Melody Lanes
Boss Tweed Gravesite (William M. Tweed)
Wyndham Garden Brooklyn Sunset Park
The Catacombs of Green-Wood Cemetery
Socceroof
Dyno Moving
Tacos El Bronco
King Hotel Brooklyn Sunset Park
Pollo Campero
Sunset Park
Brooklyn Army Terminal Annex Building
NYU Langone Hospital Brooklyn
Holiday Inn Express Nyc Brooklyn - Sunset...
Blink Fitness Sunset Park
Ba Xuyên
McDonald's
Brooklyn Army Terminal
53 St
59 St
Owls Head Wastewater Treatment Plant
BMW of Brooklyn: Service & Parts
Millennium Skate Park
Owl's Head Park
American Veterans Memorial Pier
Kai Feng Fu Dumpling House
Nail salon
KRM Kollel Supermarket
Fort Hamilton Pkwy
LaoJie
Maimonides Medical Ctr
The Loft Steakhouse
Nestcap
Radhuni Sweets & Restaurant
Church Av
Thai Farm
Belt Pkwy
Gowanus
Fort Hamilton Pkwy
New Utrecht Ave

Wifi Type : Any

Search Range : 1.00 Miles



Questions:

1. How often should the wifi data on the server be compared with the NYC Wi-Fi Hotspot Locations dataset for updates?
2. Should there be a way for users to submit location information without using geolocation API?
3. What should be the upper limit for search radius?

Thank you!