



*Every New York attraction, just one short ride away*

## User Guide

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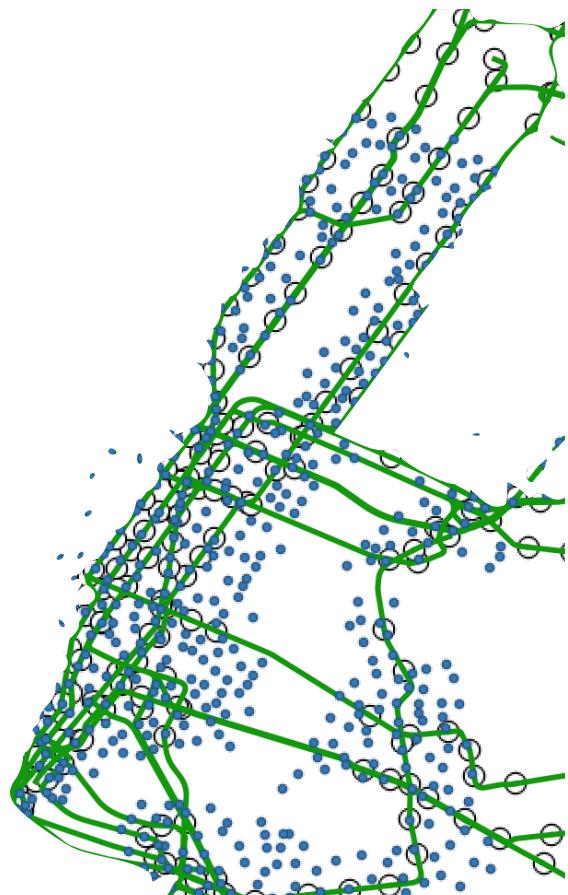


## OVERVIEW

Citibike is America's largest and most successful bike-share program. Given the density of bike-share stations in Manhattan, one can almost guarantee that one can find a station within a block or two's walk. However, the stations may not always be in the most obvious of locations.

Therefore, we are introducing Bike**NYC**, an application that takes in the user's location, provides the user with the closest available station, real-time station information, as well as recommendations for nearby attractions.

Many employers and institutions now offer their employees annual passes, therefore, this application is not only useful for tourists, but also for locals who may want to take advantage of their pass, travel faster and more sustainably, or skip the crowded subways.



(Blue dots are CitiBike stations, Green lines are subway routes)

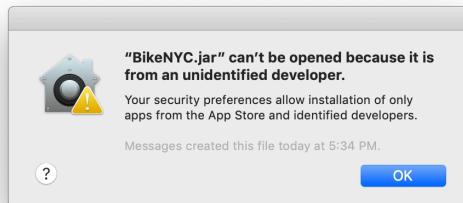
Data from CitiBike and NYC Open Data  
Graphics by Fred Chang

## SET UP

- 1) Make sure **data** folder is in the same location as your **BikeNYC.jar**



- 2) Double-click **BikeNYC.jar** to run
- 3) If a security warning pops up on **Mac OS**, open up **System Preferences** -> Security & Privacy  
-> "Open Anyway"



- 4) Enjoy!

## USING THE APPLICATION

- 1) Enter an **address** or **location** within Manhattan

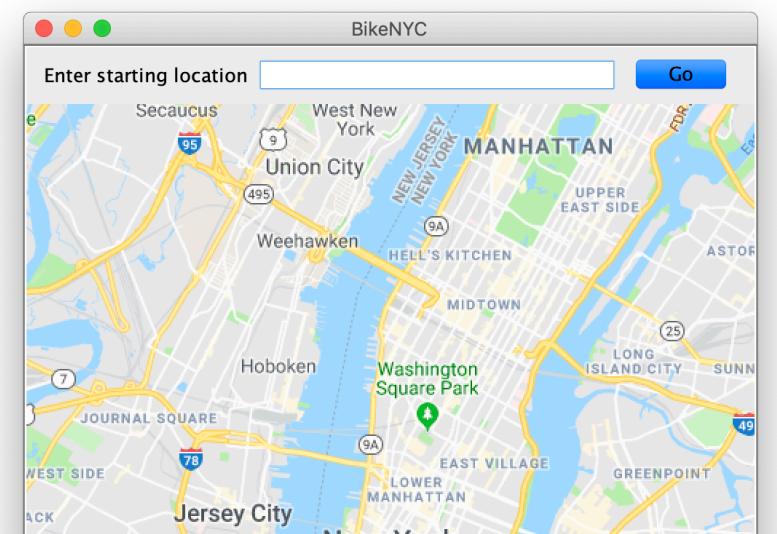
*Try these to start:*

*"Empire State Building"*

*"Grand Central Station"*

*"Apple Store 5th Ave"*

*"SoHo"*



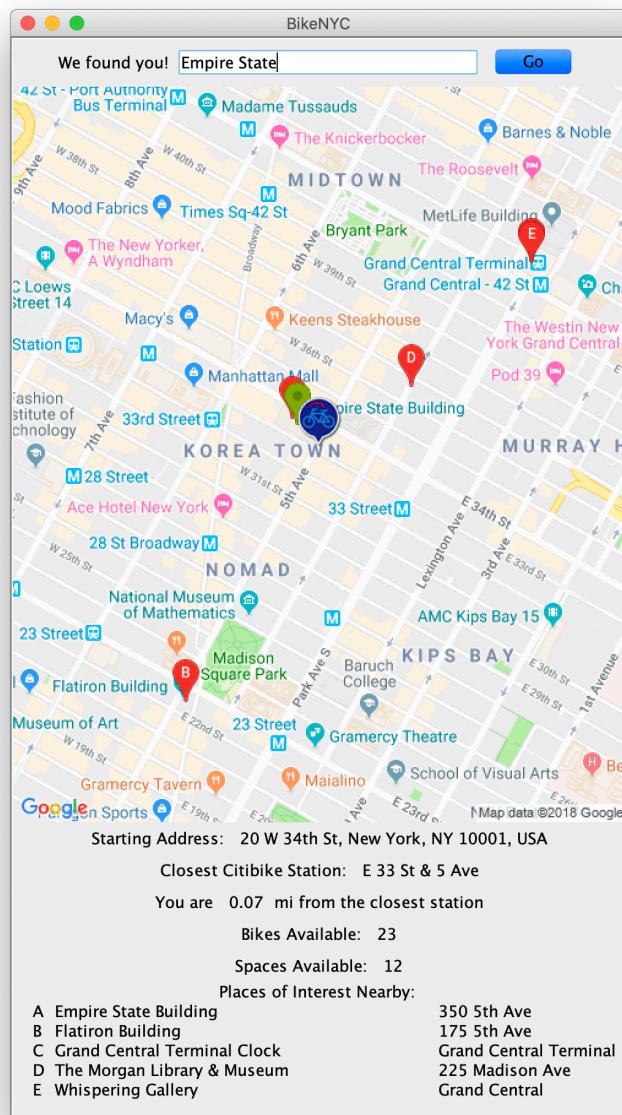
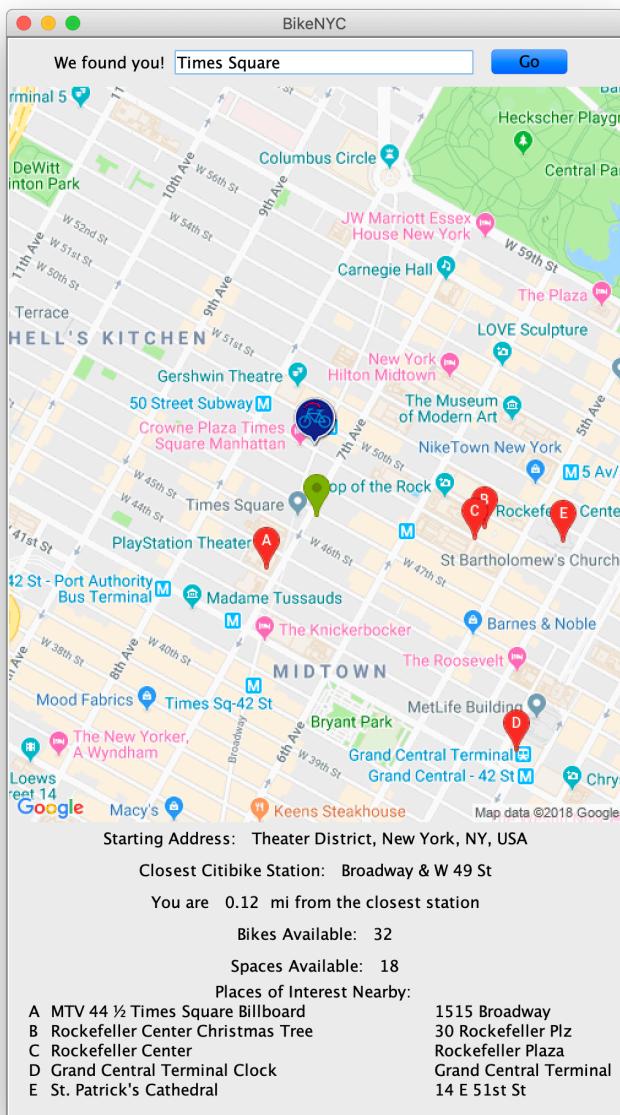
- 2) Click **"Go!"**

### Troubleshooting:

In order to run program, the user must enter an address within Manhattan. In the case that no address is entered, the user will be prompted to do so. In the case that the entered address is outside Manhattan, the address entered will be displayed and the user will be prompted to enter another address.

## RESULTS GALLERY

Examples of successful searches:



BikeNYC

We found you! Central Park

Starting Address: Central Park, New York, NY, USA  
Closest Citibike Station: Central Park West & W 85 St  
You are 0.26 mi from the closest station  
Bikes Available: 19  
Spaces Available: 12  
Places of Interest Nearby:  
A The Obelisk (Cleopatra's Needle)  
B King Jagiello / Poland Monument  
C Central Park  
D Central Park – Engineers' Gate  
E Soldiers' and Sailors' Monument

East Side  
East Dr  
59th St to 110th St  
E. 90th St  
171 Riverside Dr

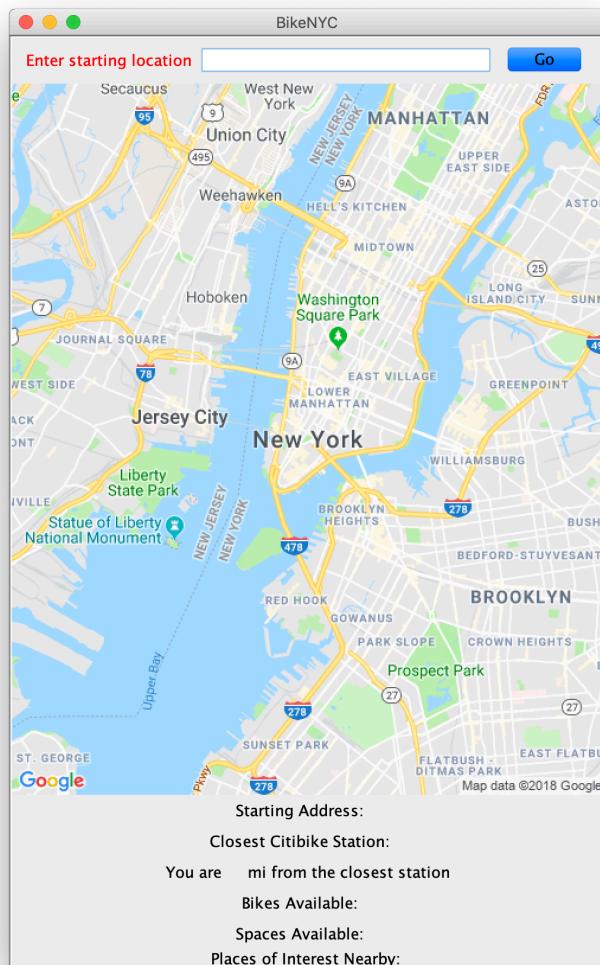
BikeNYC

We found you! DoubleTree Lower Manhattan

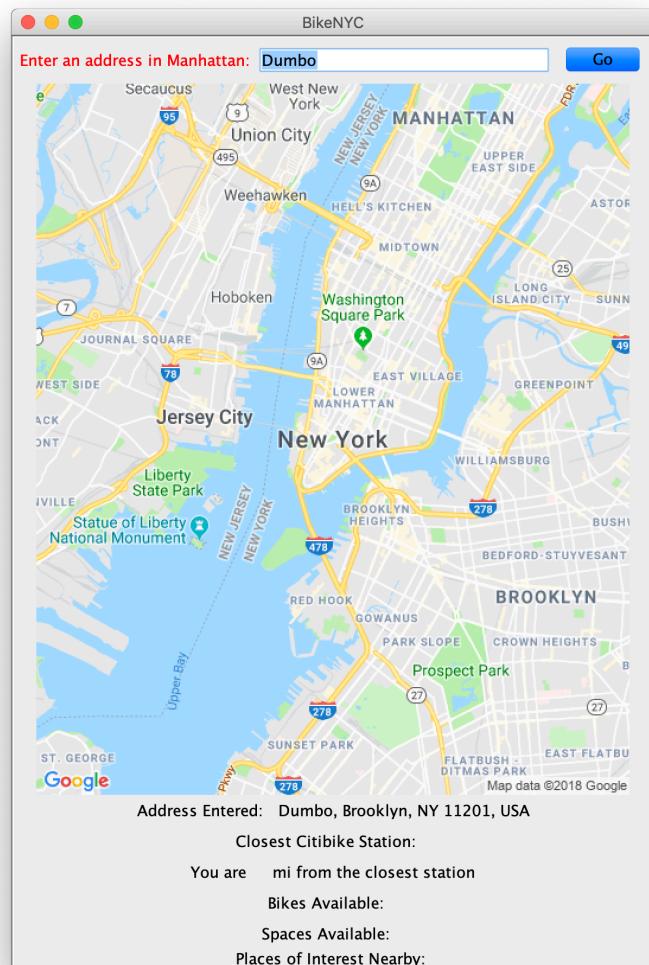
Starting Address: 8 Stone St, New York, NY 10004, USA  
Closest Citibike Station: Broad St & Bridge St  
You are 0.04 mi from the closest station  
Bikes Available: 29  
Spaces Available: 6  
Places of Interest Nearby:  
A Charging Bull  
B Fearless Girl  
C Vietnam Veterans Memorial Plaza  
D World War II Merchant Marine Memorial Plaza  
E Castle Clinton National Monument

Broadway & Morris St  
Broadway & Morris St  
55 Water St  
at Battery Park  
Battery Park

Examples of unsuccessful searches:



Error when "Go" is pressed with no input



Error when "Go" is pressed with address outside Manhattan

## **CREDITS**

BikeNYC developed and designed by Fred Chang and Catherine Weiss.

*University of Pennsylvania, 2018*