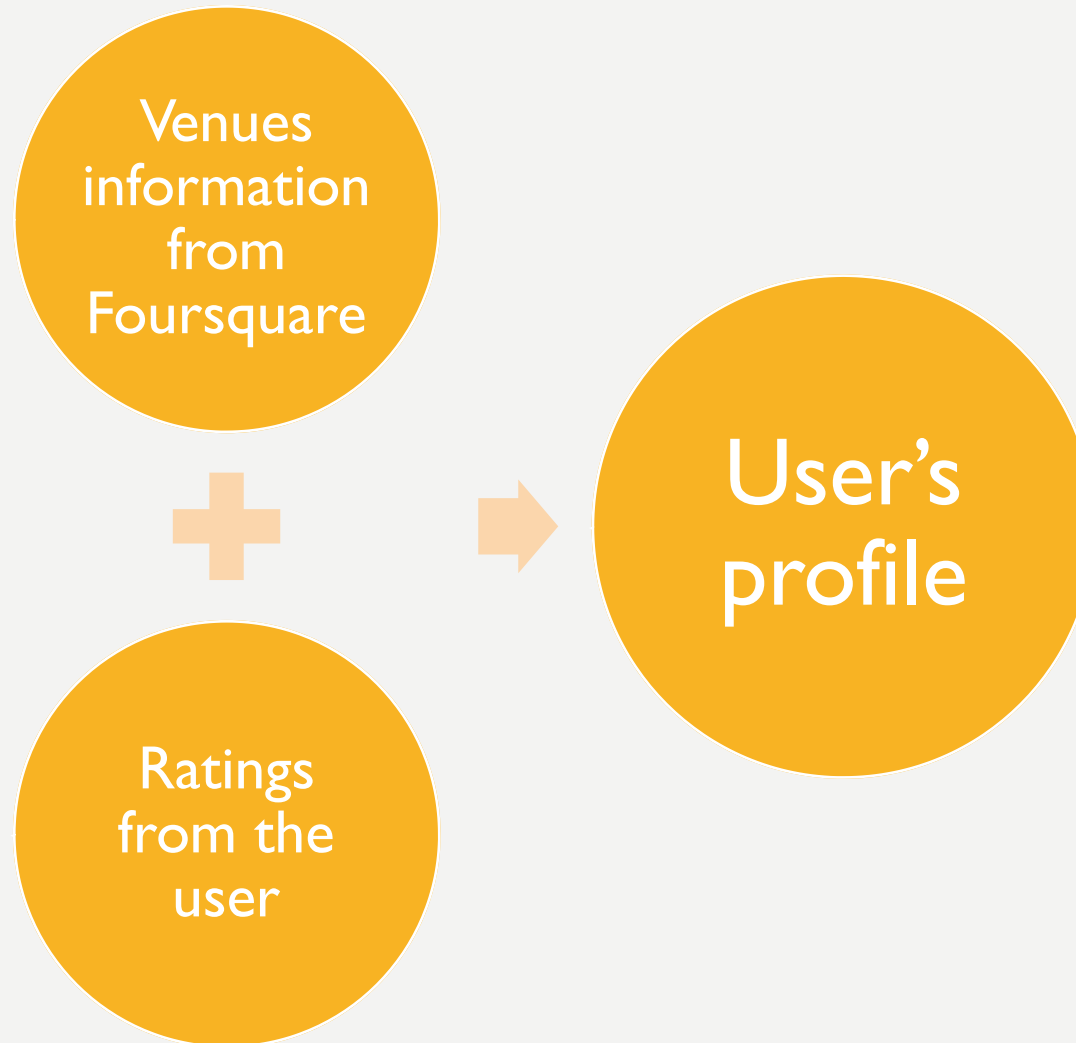


# **TRAVELING LOCATION RECOMMENDATION SYSTEM**

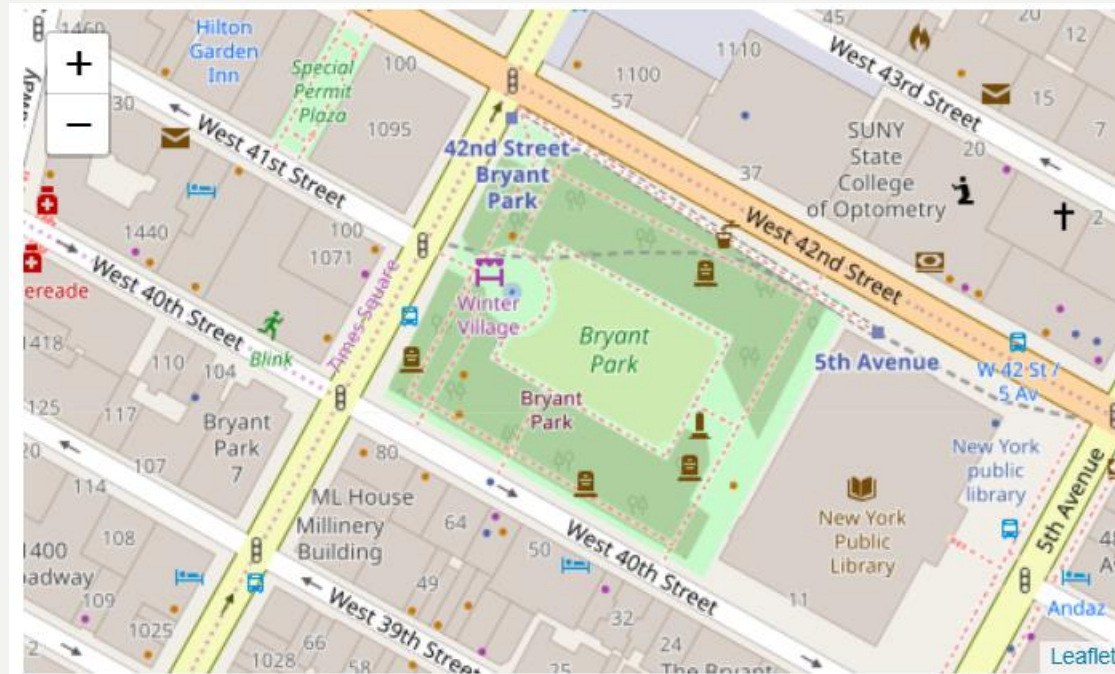
# RECOMMENDATION = MONEY

- Make customers remember that you're here for them.
- Remind customers of their good experience.
- Keep the customers.

# METHODOLOGY



# USING FOLIUM TO SEE THE LOCATIONS



# RECORDING THE USER'S INPUT

	Latitude	Longitude	Rating
<b>0</b>	40.8766	-73.9107	8.0
<b>1</b>	40.7156	-73.9943	9.0
<b>2</b>	40.8519	-73.9369	8.0
<b>3</b>	40.8677	-73.9212	10.0
<b>4</b>	40.8236	-73.9497	7.0

# ASKING FOURSQUARE FOR DATA

	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	40.8766	-73.9107	Arturo's	40.874412	-73.910271	Pizza Place
1	40.8766	-73.9107	Bikram Yoga	40.876844	-73.906204	Yoga Studio
2	40.8766	-73.9107	Tibbett Diner	40.880404	-73.908937	Diner
3	40.8766	-73.9107	Starbucks	40.877531	-73.905582	Coffee Shop
4	40.8766	-73.9107	Land & Sea Restaurant	40.877885	-73.905873	Seafood Restaurant

# CLEANING THE DATA

	Neighborhood Longitude	Neighborhood Latitude	Accessories Store	American Restaurant	Arepa Restaurant	Asiar Restaurant
0	-73.9943	40.7156	0.000000	0.040000	0.000000	0.02
1	-73.9497	40.8236	0.000000	0.000000	0.000000	0.00
2	-73.9369	40.8519	0.011905	0.011905	0.011905	0.00
3	-73.9212	40.8677	0.000000	0.034483	0.000000	0.00
4	-73.9107	40.8766	0.000000	0.041667	0.000000	0.00

# GENERATING USER PROFILE

Accessories Store	0.095238
American Restaurant	1.051732
Arepa Restaurant	0.095238
Asian Restaurant	0.160000
Austrian Restaurant	0.080000
Bakery	1.120952
Bank	0.386905
Bar	0.582824
Beer Bar	0.095238
Bike Shop	0.080000
Bistro	0.172414
Boutique	0.080000
Breakfast Spot	0.095238
Bubble Tea Shop	0.480000
Burger Joint	0.250411



# USING THE USER PROFILE.

- Find a new location.
- Find venues around the location.
- Calculate the dot function.
- See how much the user likes the location.

# USING THE USER PROFILE.

Enter Coordinates, separated by a comma: 40.877531, -73.905582



The possibility that you like this place is 1.77 %



**THANK YOU**