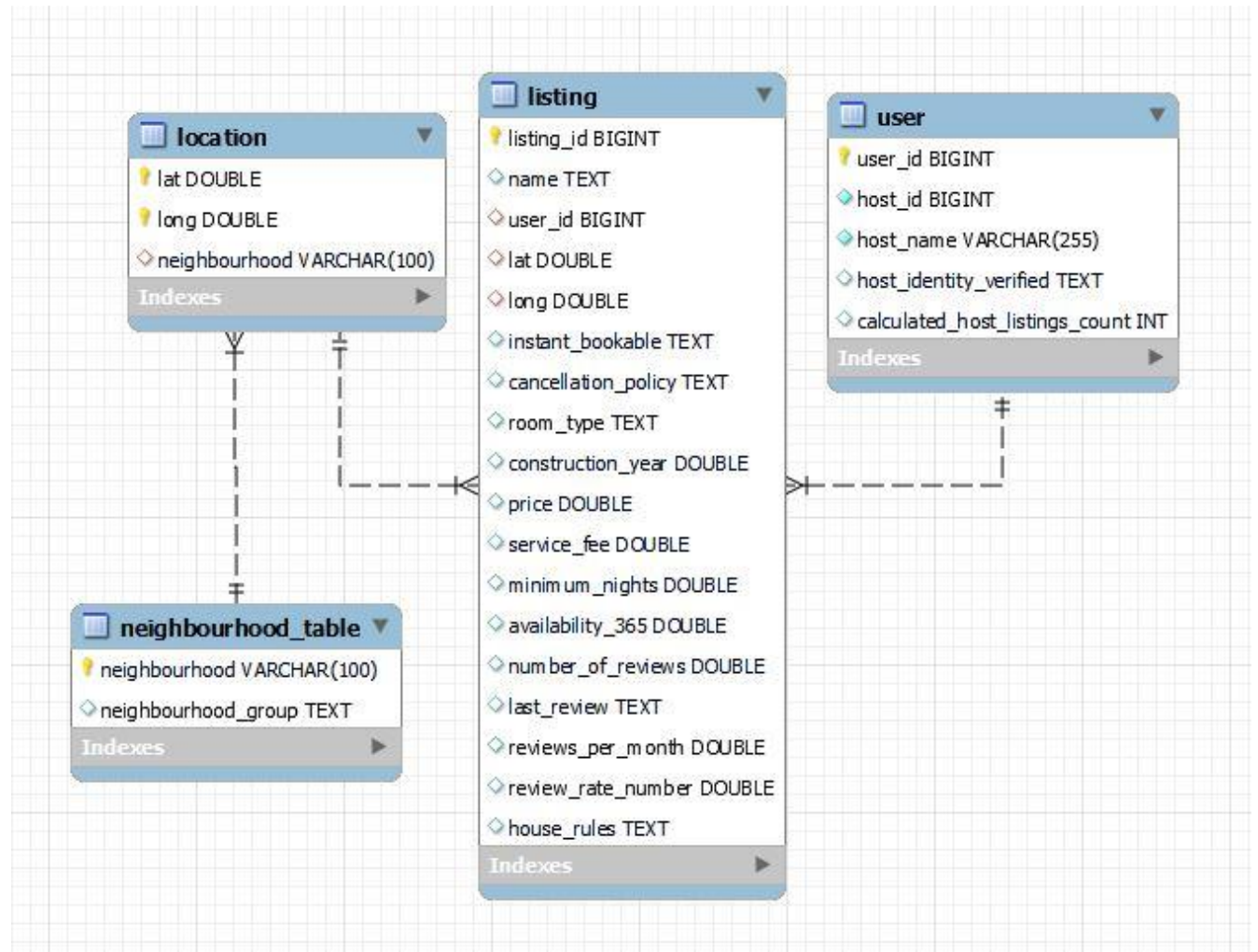Foster Mosden

Big Data

Prof. Garg

2023-09-12

ER Diagram:

`listing` table:

Note: I had to split this up into multiple screenshots in order to maintain legibility for this submission. You can see from the ER diagram that this all falls into one table

listing_id	name	user_id	lat	long	instant_bookable
1001254	Clean & quiet apt home by the park	1	40.64749	-73.97237	False
1002102	Skylit Midtown Castle	2	40.75362	-73.98377	False
1002403	THE VILLAGE OF HARLEM....NEW YORK !	3	40.80902	-73.9419	True
1002755	blank	4	40.68514	-73.95976	True
1003689	Entire Apt: Spacious Studio/Loft by central park	5	40.79851	-73.94399	False

cancellation_policy	room_type	construction_year	price	service_fee	minimum_nights	availability_365
strict	Private room	2020	966	193	10	286
moderate	Entire home/apt	2007	142	28	13	228
flexible	Private room	2005	620	124	3	352
moderate	Entire home/apt	2005	368	74	13	322
moderate	Entire home/apt	2009	204	41	10	289

number_of_reviews	last_review	reviews_per_month	review_rate_number	house_rules
9	2021-10-19	0.21	4	Clean up and treat the home the way you'd like ...
45	2022-05-21	0.38	4	Pet friendly but please confirm with me if the pe...
0	2019-06-14	0.79	5	I encourage you to use my kitchen, cooking and...
270	2019-07-05	4.64	4	blank
9	2018-11-19	0.1	3	Please no smoking in the house, porch or on the...

`user` table:

user_id	host_id	host_name	host_identity_verified	calculated_host_listings_count
1	80014485718	Madaline	unconfirmed	6
2	52335172823	Jenna	verified	2
3	78829239556	Elise	unconfirmed	1
4	85098326012	Garry	unconfirmed	1
5	92037596077	Lyndon	verified	1

`location` table:

lat	long	neighbourhood
40.65992	-73.99042	21st Street
40.68012	-73.97847	5th Avenue
40.85746	-73.86339	Allerton
40.85753	-73.86605	Allerton
40.85796	-73.87134	Allerton

`neighbourhood_table` table:

neighbourhood	neighbourhood_group
21st Street	Brooklyn
5th Avenue	Brooklyn
Allerton	Bronx
Arden Heights	Staten Island
Arrochar	Staten Island