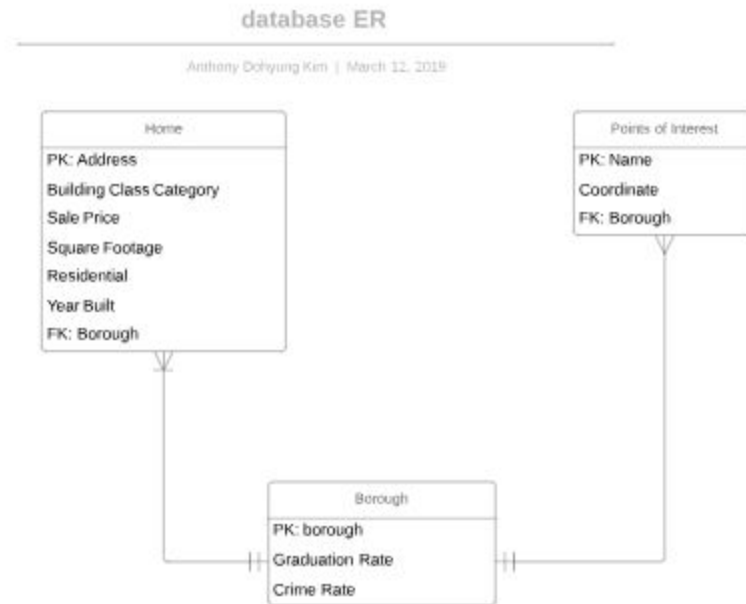


Database Model



- We intend on having approximately 84,000 records in our database

Example views/Queries:

- Price Range Query
 - Because 6 price ranges and expected normal distribution for these price ranges, we expect approximately 14,000 results from this query
 - Will create a view of the available houses that fall into price ranges specified by the user
 - Will request the database for rent expense attributes from the house table where the rent expense matches the range specified by the user
 - Select rent expense from house where rent expense = User Selection
- Borough Query
 - Because 5 boroughs and approximate normal distributions we expect approximately 17,000 results from this query
 - Will create a view of the available houses that are in this borough
 - Will request the database for borough attributes from house table where borough matches the borough specified by the user
 - Select borough, address from house where borough = User Selection
- School rating Query
 - Will return a result of the addresses with school ratings that have the school rating specified by the user
 - We will do a 5 star rating based off the normal distribution of graduation rates
 - Will result in approximately 17,000 results from query

- Will request database for school rating from borough table where school rating matches the specifications of the user and links it to the addresses from the house table
- Select address, school rating from house, borough where school rating = user selection and house.borough = borough.borough
- Combined Queries
 - Combined queries will ask the user for multiple criteria (example: school rating + price range) and return the results that match both these criteria
 - There will be multiple of these based off the simple queries specified above
 - Result numbers will be related to the results from the basic queries listed above
 - Example: the 1/30 return result from the price range query and the 1/30 return result from the school rating query will create a 1/30 result from the combined query, 2800 results dramatically decreasing the number of options for the user to look over
 - Will create a view of all the houses that match the criteria specified by the user and link the appropriate tables