### AIRBNB MANAGEMENT SYSTEM

- SRIRAM HARIHARAN NEELAKANTAN
- JOANN RACHEL JACOB



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#### INTRODUCTION

- ▶ Airbnb is a popular platform that connects hosts and travelers worldwide.
- ▶ Managing a property on Airbnb can be complex.
- A robust Airbnb management system helps streamline property management and provide a seamless experience for guests
- ▶ We have designed a basic user-interactive application that conducts multiple CRUD operations in the backend.
- ► Simple imitation of Airbnb website

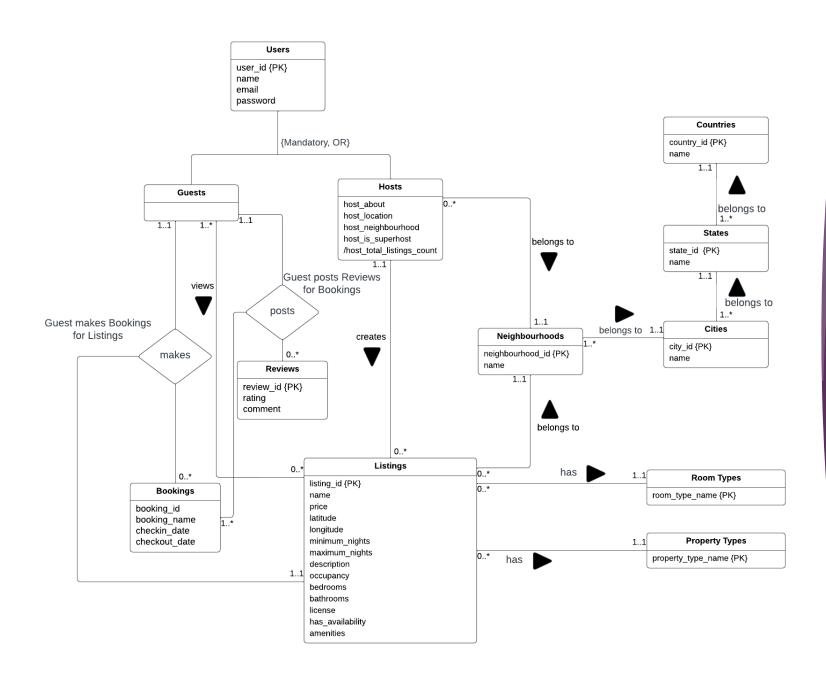
# DATASET & TECHNICAL SPECIFICATIONS

**Dataset**: The Inside Airbnb dataset, contains detailed information about Airbnb listings in different cities around the world. It includes csv files for neighbourhoods, listings and reviews which includes information about users as well.

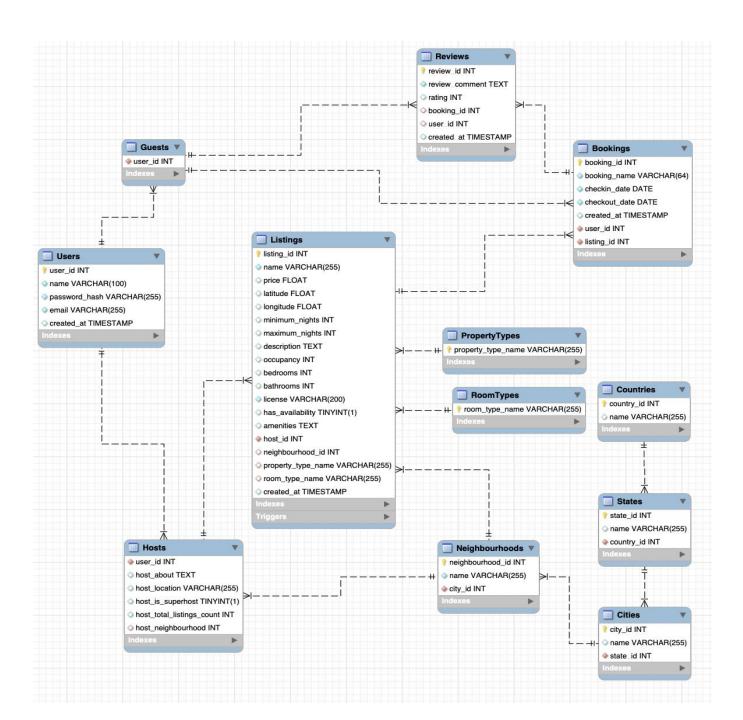
We have used Boston dataset.

#### **Technical Specs:**

- ▶ Backend Python3,
- ► Frontend Streamlit
- ► MySQL Server, MySQL Workbench, VSCode.
- ► Libraries pandas, pymysql, hashlib, BeautifulSoup.



# CONCEPTUAL DESIGN



#### LOGICAL DESIGN

#### If user does not exist Select Register User If user exists Log In If Host If Guest Create Listings View View All Book View My Post Review Reviews Listings bookings Listings bookings Display all listings Select Listing Enter details Edit Details Display all listings Display booked listings Select booking Display all available Listings Select Filters Select Create Select Booking Enter Reviews Select Save Filtered Select Listing and Select Delete Listings Listings enter Name Change Select Book Select Post Select Logout

### USER FLOW DIAGRAM

### DEMO

## THANK YOU