



AIRBNB MANAGEMENT SYSTEM

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AGENDA

- ▶ Introduction
- ▶ Dataset & Technical Specifications
- ▶ Conceptual Design
- ▶ Logical Design
- ▶ User flow / CRUD Operations
- ▶ Demonstration

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

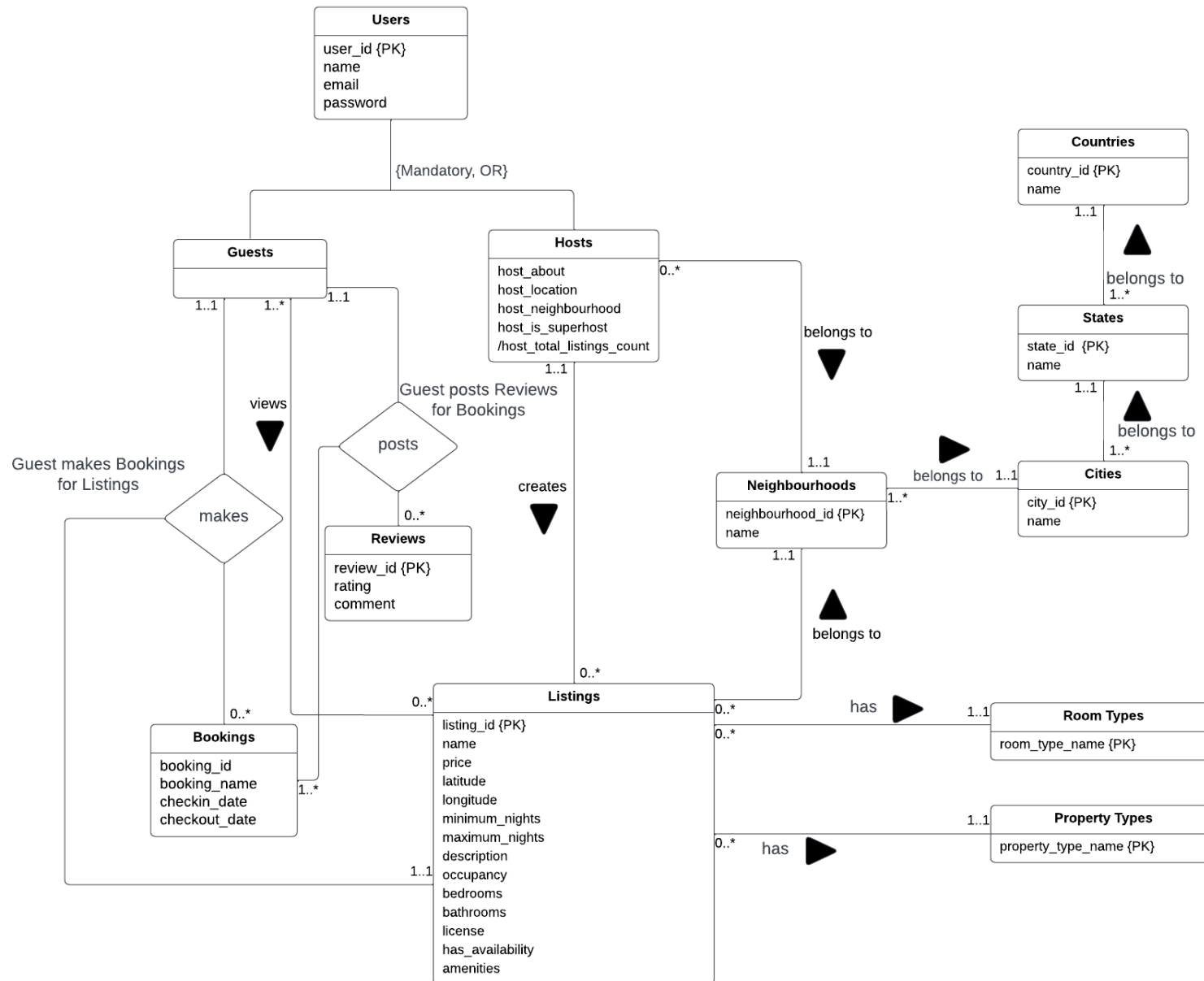
DATASET & TECHNICAL SPECIFICATIONS

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.

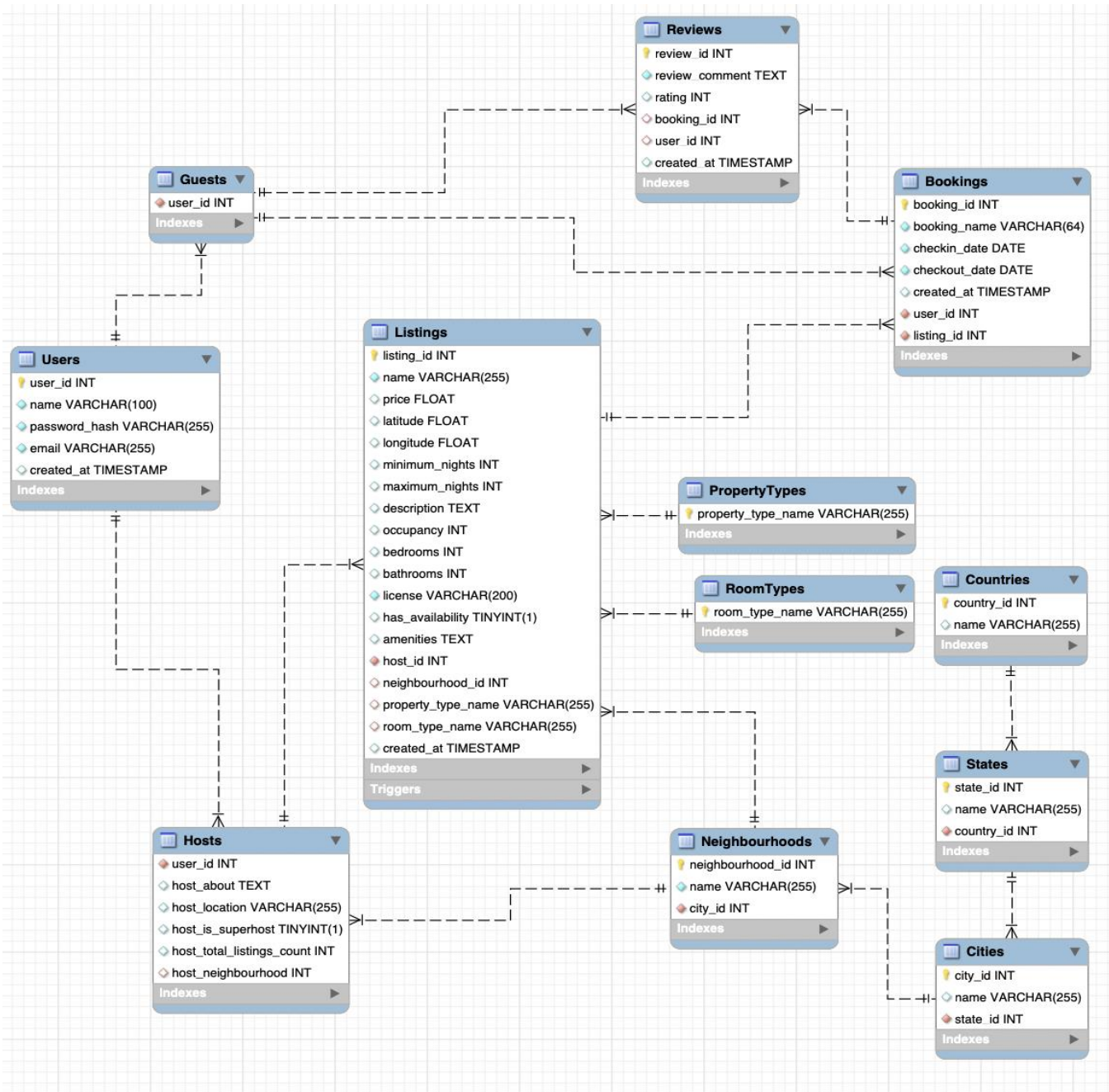
We have used Boston dataset.

Technical Specs:

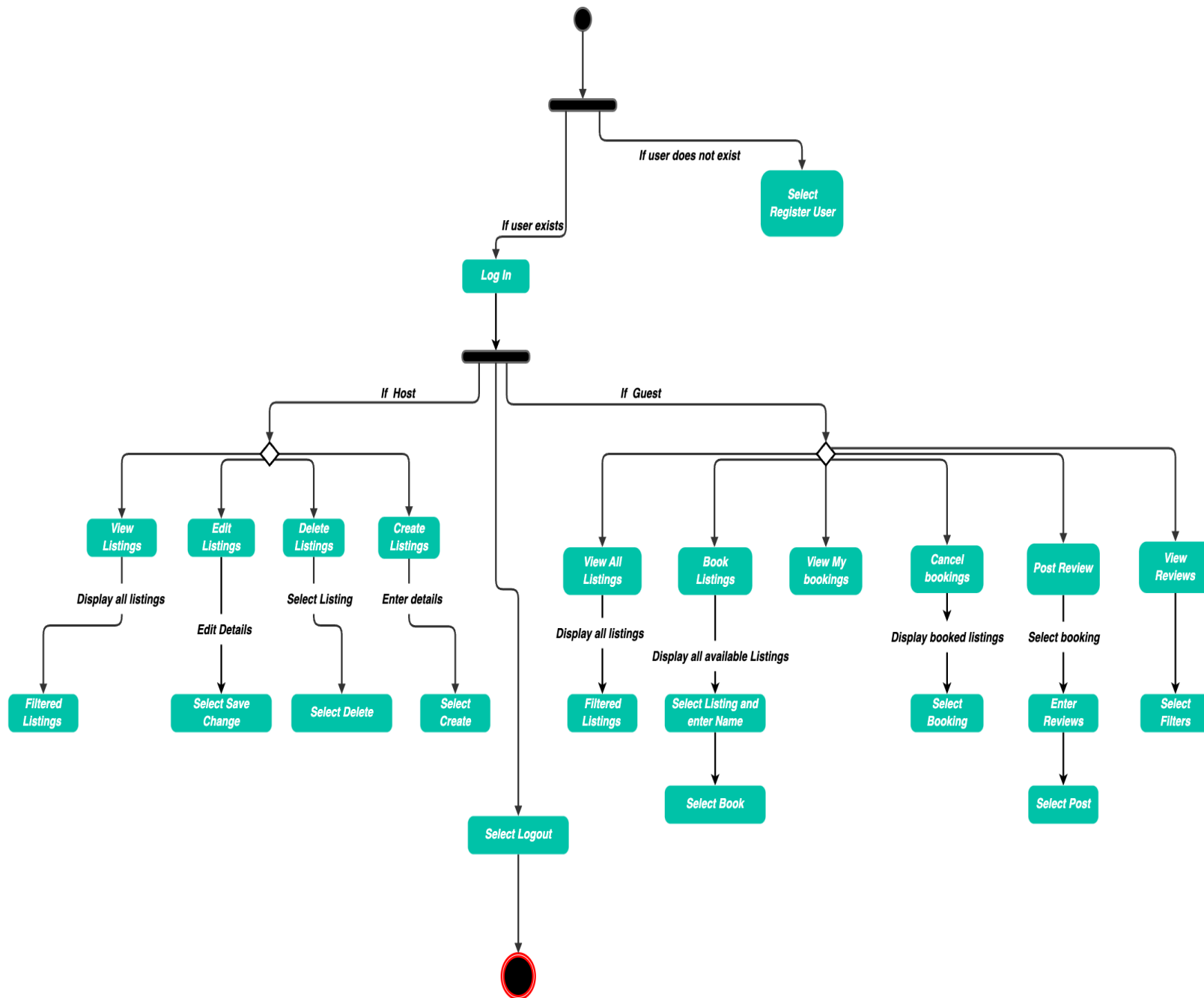
- ▶ Backend – Python3,
- ▶ Frontend - Streamlit
- ▶ MySQL Server, MySQL Workbench, VSCode.
- ▶ Libraries – pandas, pymysql, hashlib, BeautifulSoup.



CONCEPTUAL DESIGN



LOGICAL DESIGN



USER FLOW DIAGRAM

DEMO

THANK YOU

