





System Description

Create a spontaneous itinerary with Travel Buddy!

- Android application written in Kotlin, XML
- After the user specifies their proposed departure and destination locations, this program will create an itinerary including:
 - Airline tickets
 - Hotel Room Reservations
 - Transportation Rentals



Implementation Details

Integrated Development Environment (IDE)

- Android Studio 3.2.1

Database

- SQLite3 implemented with SQLDBHelper and Anko

Language

- Kotlin, XML



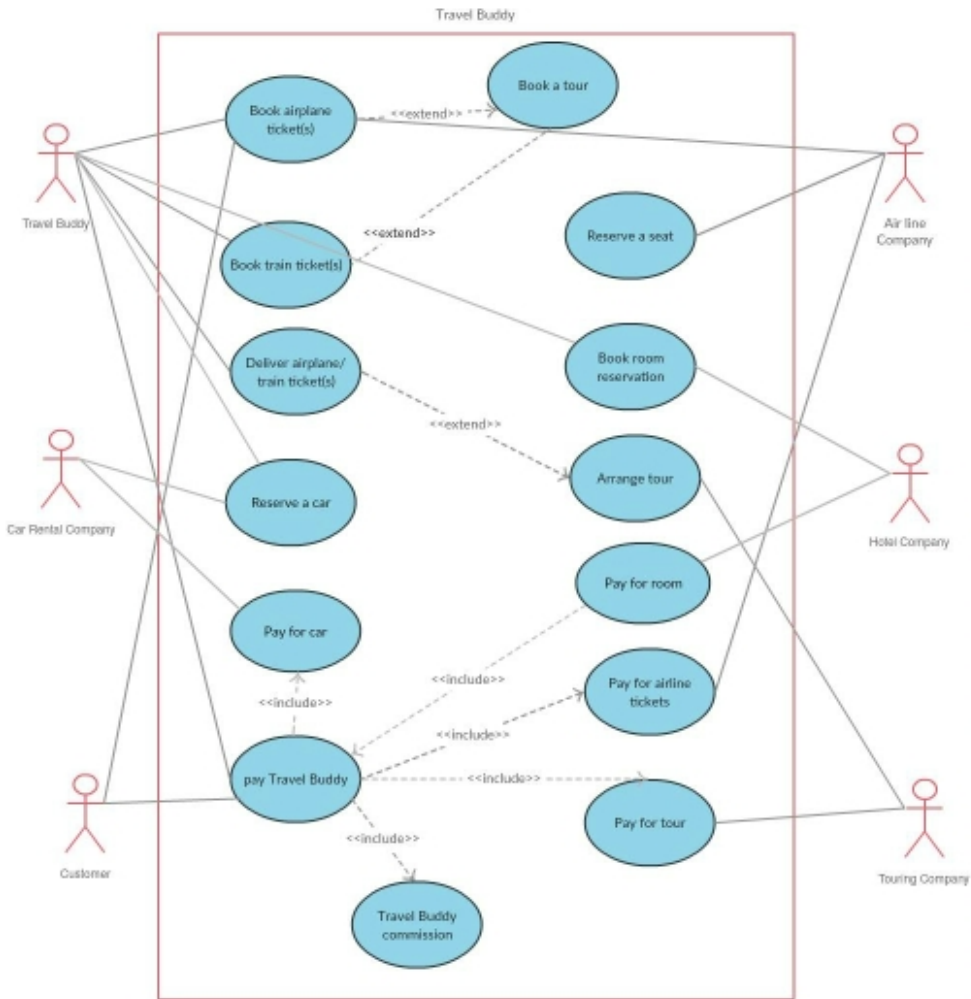


Most Important Use-Cases

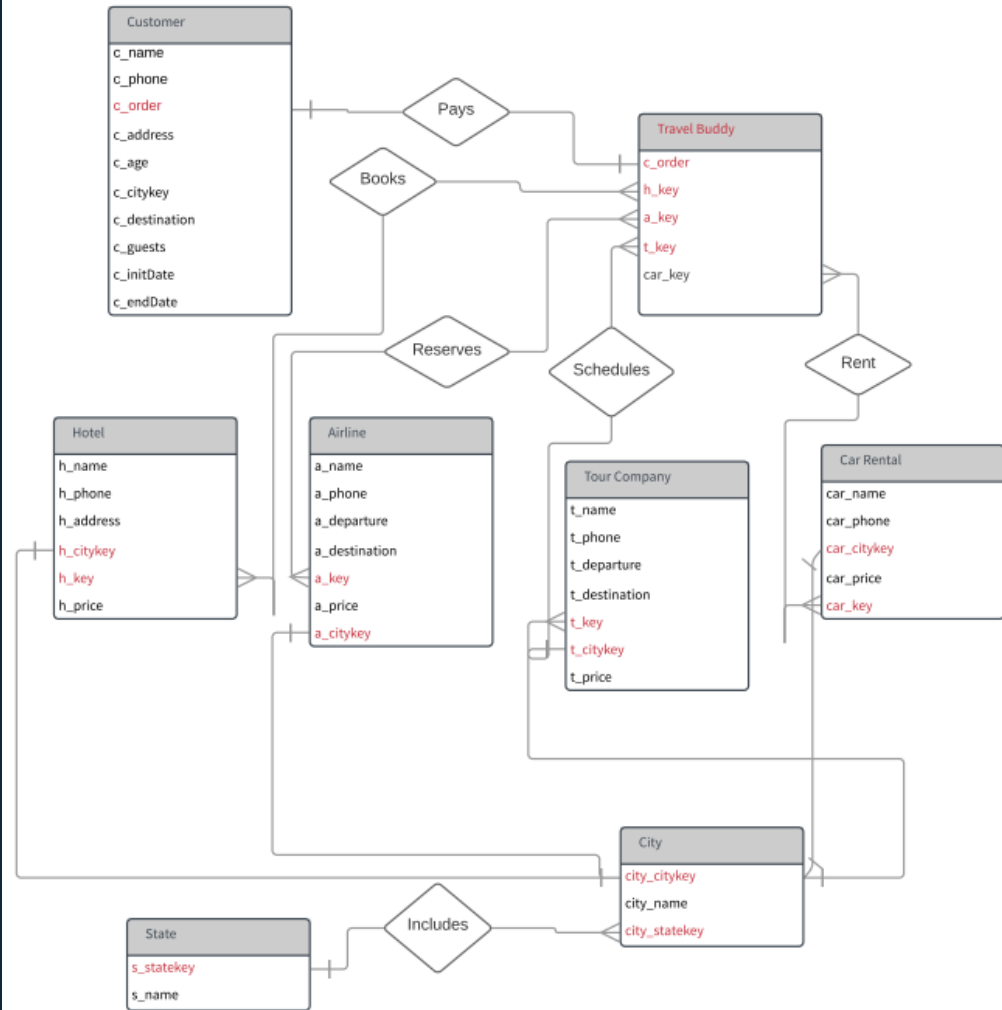
- **User Use Cases:**
 - Inputs Departure and Destination locations, outputs itinerary and costs
 - Pay Travel Buddy for all reservation costs
- **Travel Buddy Use Cases:**
 - Books all reservations (airline, hotel, tour, car rental) for user
 - Keeps record of all user reservations, can return all information to user upon request
 - Can apply discounts to bookings (seasonal, promotional, etc.)



Use-Case Diagram



E/R Diagram





Relational Schema

Customer

- c_name, c_phone, c_order, c_address, c_age, c_citykey, c_destination, c_guests, c_initDate, c_endDate

Travel Buddy

- c_order, h_key, a_key, t_key, car_key

Hotel

- h_name, h_phone, h_address, h_citykey, h_key, h_price

State

- s_statekey, s_name

Airline

- a_name, a_phone, a_departure, a_destination, a_key, a_price, a_citykey

Tour Company

- t_name, t_phone, t_departure, t_destination, t_key, t_citykey, t_price

Car Rental

- car_name, car_phone, car_citykey, car_price, car_key

City

- city_citykey, city_name, city_state

Promo

- promo_key, promo_discount





Thanks!

Demo time...

