

DB design:

User:

user_id (PK)

Username (email)

Password (encrypted)

First Name

Last Name

Sign up date

contact details: Mobile number.

Login details

login_id (PK)

User id (foreign key to user table)

Login time

Logout time

Parking Slots:(Available)

parking_slot_id (PK)

Advertiser -(foreign key to user)

Booking time frame - Hourly/Daily (By default hourly)

Minimum booking time frame - 1 day/1 hour/ half an hour (by default 1 hour)

Address_id (FK to addresses)

Rate (rate is related to booking time frame and minimum booking time frame)

(To be done later)

Landmarks:

landmark_id (Pk)

Parking slot id (foreign key to parking slot)

Address_id (foreign key to addresses)

Addresses:

Address_id (PK)

Street number:

Street name

Suburb

State:

Post code

Name for premises

Slot Booking:(Booked)

slot_booking_id (PK)

parking_slot_id (FK to parking slots)

date_time_from

date_time_to

booked_by (FK to user)

Price (calculated based on rate, minimum booking time frame(1 hour) and the time duration calculated based on time_from - time_to)

(After every entry made in this table emails would be sent to parking_slot_id(user_id) and booked_by(user_id))