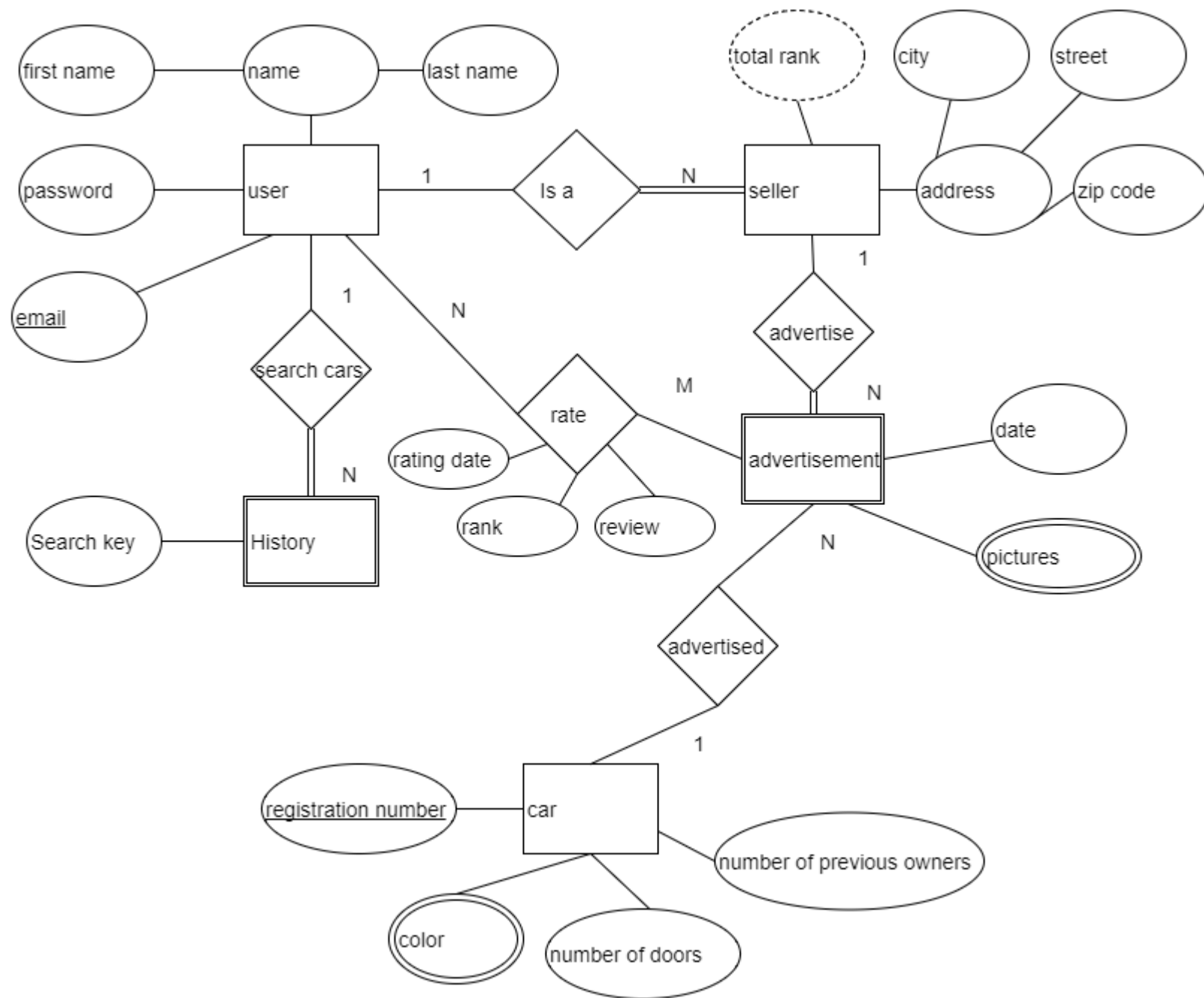


The Car Web Portal Database

- The portal provides the facility to register users online and provides different services for users based on their categories.
- Users might be sellers or normal users. The sellers can create new car advertisements; other users can explore and search for cars.
- All users should provide their full name and a valid email address during registration. The email address will be used for logging in.
- The seller should also provide an address.
- The user can rate the advertisement and the seller's service quality.
- All users' search history should be maintained for later use.
- The sellers have ranks and this affects the advertisement search; the rank is determined by the number of posted advertisements and the user's rank.
- The car advertisement has a date and the car can have many attributes such as color, number of doors, number of previous owners, registration number, pictures, and so on.



- Download files

- <https://github.com/PacktPublishing/Learning-PostgreSQL-11-Third-Edition>

- In Ubuntu

The screenshot shows a web browser window with the title "GitHub - PacktPublishing/Learning-PostgreSQL-11-Third-Edition: Learning PostgreSQL 11, Third Edition, Published by Packt - Mozilla Firefox". The address bar shows the URL "https://github.com/PacktPublishing/Learning-PostgreSQL-11-Third-Edition". The GitHub navigation bar is visible with links for "Why GitHub?", "Enterprise", "Explore", "Marketplace", and "Pricing", along with a search bar and "Sign in" and "Sign up" buttons.

The repository page for "PacktPublishing / Learning-PostgreSQL-11-Third-Edition" is displayed. It shows 8 watches, 2 stars, and 1 fork. The "Code" tab is selected, showing options for "Issues", "Pull requests", "Projects", and "Insights".

A banner promotes joining GitHub today, stating "GitHub is home to over 31 million developers working together to host and review code, manage projects, and build software together." with a "Sign up" button.

The repository name "Learning PostgreSQL 11, Third Edition, Published by Packt" is shown. Below it, statistics are listed: 23 commits, 1 branch, 0 releases, 4 contributors, and MIT license.

The "Branch: master" dropdown and "New pull request" button are visible. A "Find file" button and a "Clone or download" button are also present.

A file list shows the repository structure:

File/Folder	Description
nileshpackt Update README.md	
Chapter01	Folders renamed
Chapter02	Folders renamed
Chapter03	Folders renamed
Chapter04	Folders renamed

A modal dialog titled "Clone with HTTPS" is open, showing the URL "https://github.com/PacktPublishing/Lea" and a "Download ZIP" button.

```
joshua@joshua-Virtual-Machine:~$ ls
Desktop  Downloads  Music  Public  Templates
Documents  examples.desktop  Pictures  shared-drives  Videos
joshua@joshua-Virtual-Machine:~$ cd Downloads
joshua@joshua-Virtual-Machine:~/Downloads$ ls
joshua@joshua-Virtual-Machine:~/Downloads$ unzip Learning-PostgreSQL-11-Third-Edition-master.zip -d ~/Documents
Archive:  Learning-PostgreSQL-11-Third-Edition-master.zip
6f4414c2a0edb1bc0e280ca4d1589b89b7205671
  creating: /home/joshua/Documents/Learning-PostgreSQL-11-Third-Edition-master/
  creating: /home/joshua/Documents/Learning-PostgreSQL-11-Third-Edition-master/Chapter01/
  inflating: /home/joshua/Documents/Learning-PostgreSQL-11-Third-Edition-master/Chapter01/and_or_operator.sql
  inflating: /home/joshua/Documents/Learning-PostgreSQL-11-Third-Edition-master/Chapter01/not_operator.sql
  extracting: /home/joshua/Documents/Learning-PostgreSQL-11-Third-Edition-master/Chapter01/rename_operator.sql
  creating: /home/joshua/Documents/Learning-PostgreSQL-11-Third-Edition-master/Chapter02/
  inflating: /home/joshua/Documents/Learning-PostgreSQL-11-Third-Edition-master/Chapter02/file_fdw_log.sql
  inflating: /home/joshua/Documents/Learning-PostgreSQL-11-Third-Edition-master/Chapter02/phone_type.sql
  inflating: /home/joshua/Documents/Learning-PostgreSQL-11-Third-Edition-master/Chapter02/postgres_install_ap
tu.txt
  inflating: /home/joshua/Documents/Learning-PostgreSQL-11-Third-Edition-master/Chapter02/postgres_install_source.t
xt
  inflating: /home/joshua/Documents/Learning-PostgreSQL-11-Third-Edition-master/Chapter02/proc_number.sh
  creating: /home/joshua/Documents/Learning-PostgreSQL-11-Third-Edition-master/Chapter03/
```



```
inflating: /home/joshua/Documents/Learning-PostgreSQL-11-Third-Edition-master/README.md
joshua@joshua-Virtual-Machine:~/Downloads$ cd ~/Documents
joshua@joshua-Virtual-Machine:~/Documents$ ls
Learning-PostgreSQL-11-Third-Edition-master
joshua@joshua-Virtual-Machine:~/Documents$ cd Learning-PostgreSQL-11-Third-Edition-master/
joshua@joshua-Virtual-Machine:~/Documents/Learning-PostgreSQL-11-Third-Edition-master$ ls
Chapter01 Chapter03 Chapter05 Chapter07 Chapter09 Chapter11 Chapter14 Chapter16 README.md
Chapter02 Chapter04 Chapter06 Chapter08 Chapter10 Chapter12 Chapter15 LICENSE
joshua@joshua-Virtual-Machine:~/Documents/Learning-PostgreSQL-11-Third-Edition-master$ cd Chapter03/car_portal/
joshua@joshua-Virtual-Machine:~/Documents/Learning-PostgreSQL-11-Third-Edition-master/Chapter03/car_portal$ ls
data.sql schema.sql
joshua@joshua-Virtual-Machine:~/Documents/Learning-PostgreSQL-11-Third-Edition-master/Chapter03/car_portal$ sudo -u
postgres psql -f schema.sql
[sudo] password for joshua:
CREATE ROLE
psql:schema.sql:5: NOTICE: database "car_portal" does not exist, skipping
DROP DATABASE
CREATE DATABASE
You are now connected to database "car_portal" as user "postgres".
CREATE SCHEMA
SET
SET
CREATE TABLE
CREATE TABLE
CREATE TABLE
CREATE TABLE
CREATE TABLE
CREATE TABLE
CREATE TABLE
CREATE TABLE
CREATE TABLE
CREATE TABLE
CREATE TABLE
joshua@joshua-Virtual-Machine:~/Documents/Learning-PostgreSQL-11-Third-Edition-master/Chapter03/car_portal$ sudo -u
postgres psql -f data.sql
You are now connected to database "car_portal" as user "postgres".
SET
SET
INSERT 0 481
INSERT 0 99
INSERT 0 229
INSERT 0 146
INSERT 0 784
joshua@joshua-Virtual-Machine:~/Documents/Learning-PostgreSQL-11-Third-Edition-master/Chapter03/car_portal$
```

```
joshua@joshua-Virtual-Machine:~/Documents/Learning-PostgreSQL-11-Third-Edition-master/Chapter03/car_portal$ sudo -u postgres psql
psql (11.1 (Ubuntu 11.1-3.pgdg18.04+1))
Type "help" for help.

postgres=# \c car_portal
You are now connected to database "car_portal" as user "postgres".
car_portal=# SET search_path to car_portal_app;
SET
car_portal=# SET role car_portal_app;
SET
car_portal=> select *
car_portal-> from   account
car_portal-> limit  1;
 account_id | first_name | last_name | email          | password
-----+-----+-----+-----+-----
          1 | James     | Butt     | jbutt@gmail.com | 1b9ef408e82e38346e6ebbf2dcc5ece
(1 row)
```