

# [www.car-maniacs.co.uk](http://www.car-maniacs.co.uk)

An awesome car rating website  
by mustached-ninja

# What is it?

- A simple website
- People can rate cars
- Star-based system
- Browse cars by rating

# Stand Out Features

- Simple
- Easy to use
- No need to register
- Unbiased
  - Ethics Statement
  - Transparency

# User Personas

## Owner

Browse cars (4/5)  
Rate that car (5/5)  
Compare their car to others (2/5)

## Visitor

Browse cars (5/5)  
See ratings (5/5)  
Compare those ratings (5/5)  
See ranking (5/5)

## Administrator

Reviews ratings  
Deletes malicious  
ratings  
Manages ads and  
price engine



# Personas

Alex, has a big crush on cars

I have always been passionate about cars. I chose to become a mechanical engineer just because I wanted to know intimate details about how the car works.  
I need an website were I could find exciting news about the cars/ car manufacturers.



Dean, father of two

I need a platform that could help me find a suitable car.  
I am currently commuting from Glasgow to Stirling.  
I need a reasonably-priced car which does not **consume** a lot of fuel. I would really appreciate a comparing facility to help me make up my mind faster, I already have a shortlist.



# Main Screen

- Search Bar
- Dropdown box for manufacturers
- Rankings
- Pictures, news

# Must Have

- Database about cars
- Ratings
- Ranking bar (best and worst)
- Browsing
- Comparing cars

# Should Have

- Comments (text)
- Searchable comments
- Search bar
- Users



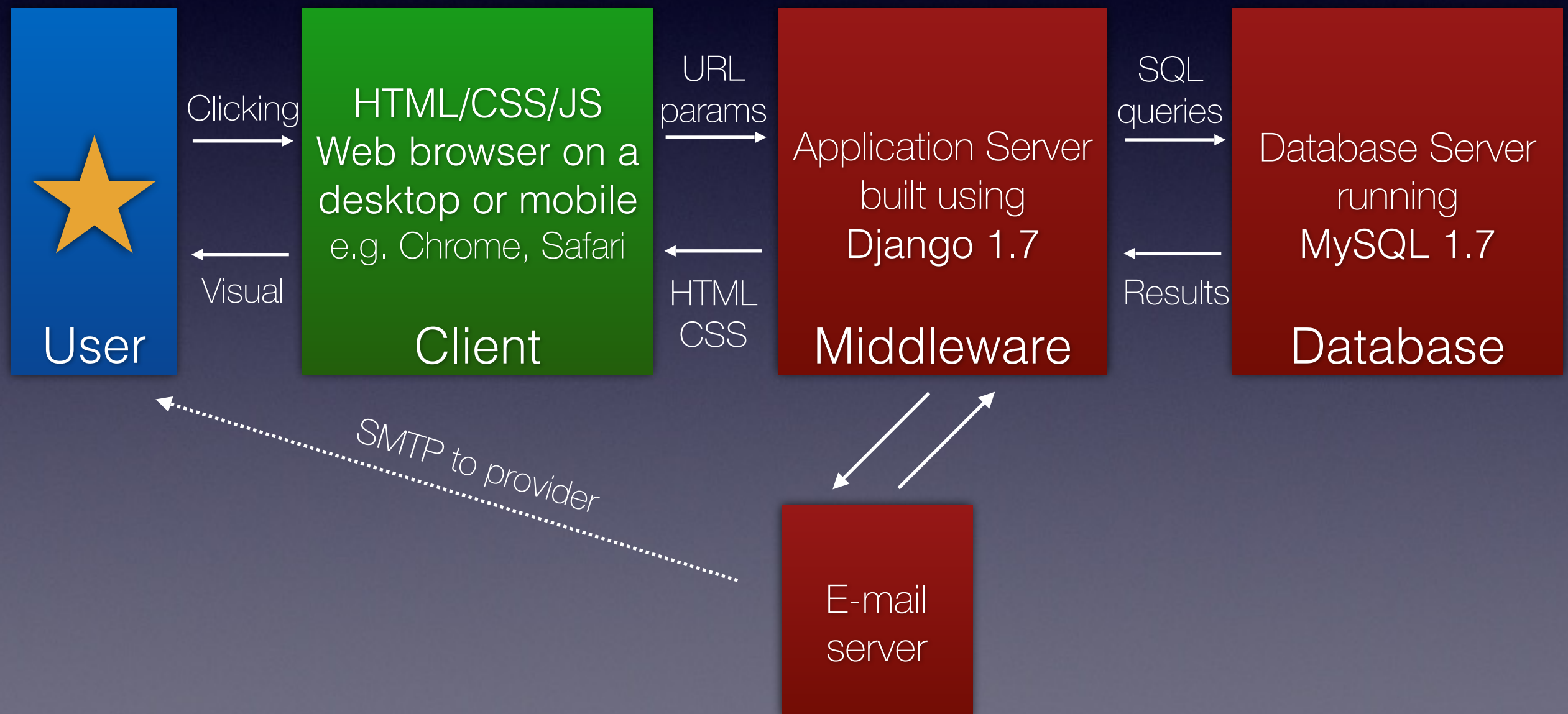
# Could Have

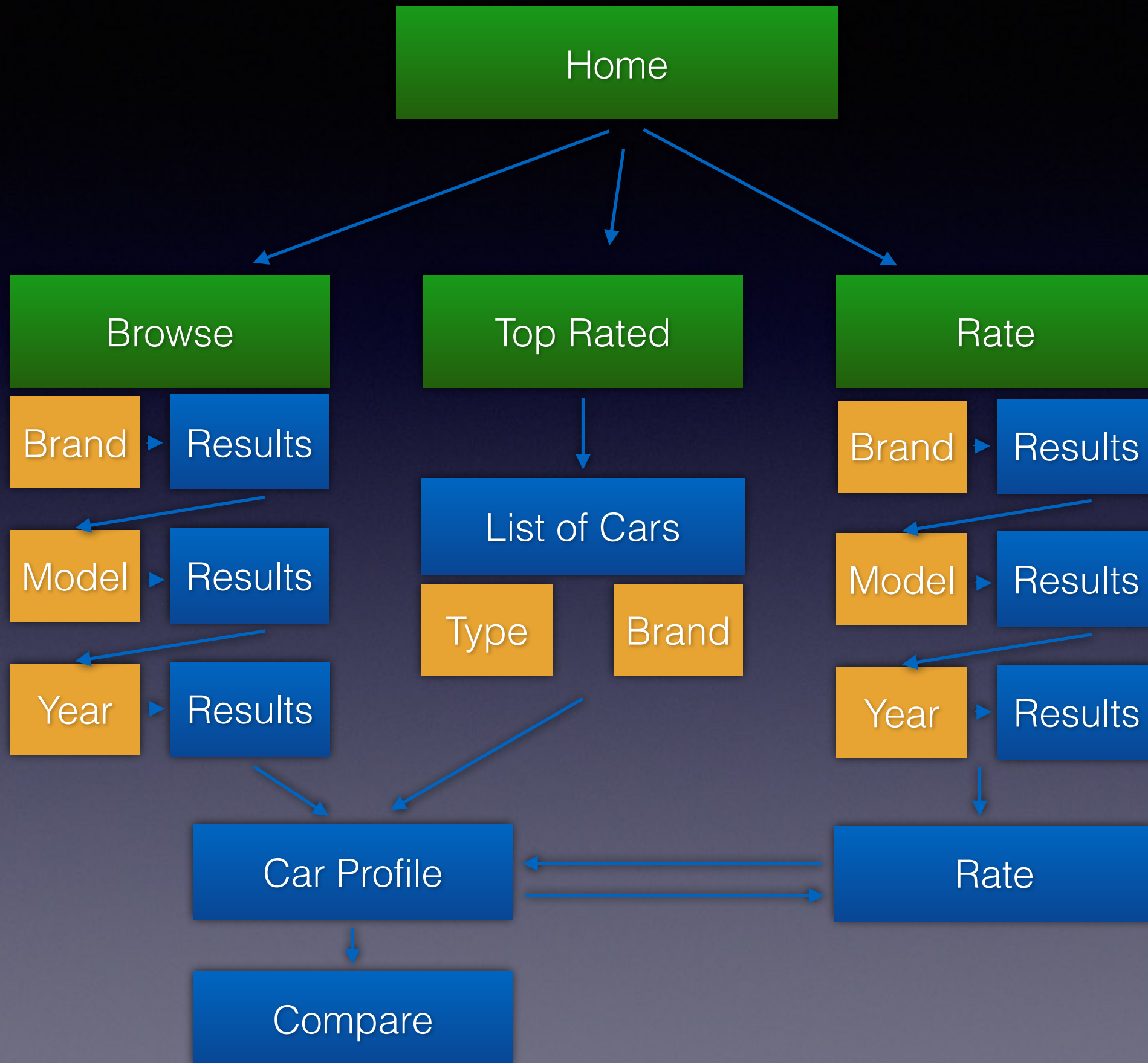
- Price engine provided by a 3rd party
- Car of the Month
  - E.g. most visited
- Ads?
  - From companies that aren't car manufacturers
  - No way to purchase biased reviews

# Won't Have

- A fancy UI for administrators

# 3-tier Architecture



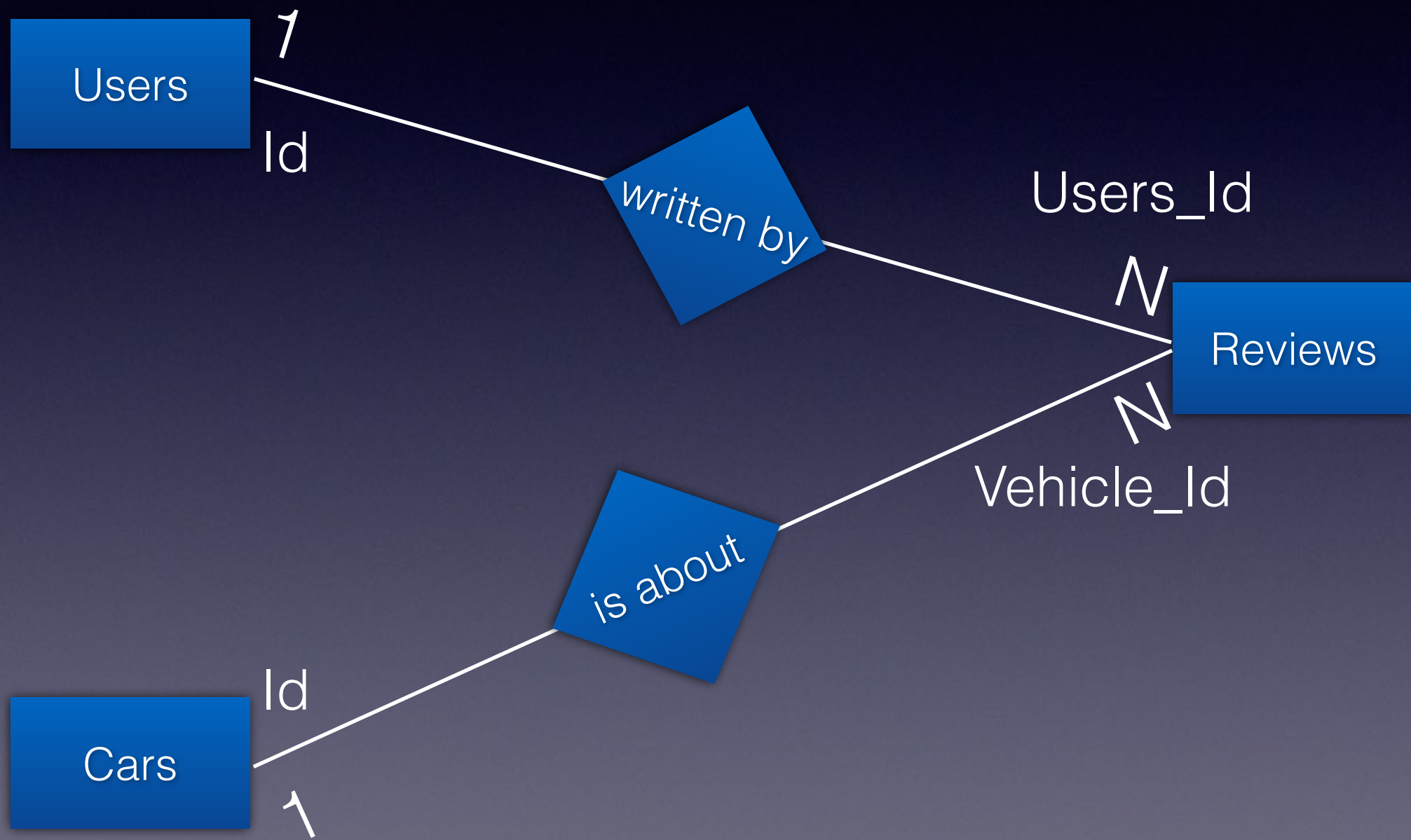




# Domain Design

- /
- /cars/toyota/corolla/2003-2005
  - /rate - POST-ing reviews
- /top?type=suv&brand=toyota  
&order=reliability
- /compare?car1=id1&car2=id2
- /search?term=huge+boot
- /login
- /logout

# ER



# Users

Field	Type
Id	Integer
UserName	Char(16)
Email	Char(128)
PasswordHash	Char(128)
PasswordSalt	Char(128)
IsAdmin	Boolean

# Cars

Field	Type
Id	Integer
Manufacturer	Char(64)
Type	Char(64)
Year	Char(64)
Model	Char(64)
Picture	Char(64)
etc	



# Reviews

Field	Type
Vehicles_Id	Integer
Users_Id	Integer
OverallRating	Integer
MaintenanceCostRating	Integer
ComfortRating	Integer
PerformanceRating	Integer
ReliabilityRating	Integer
MechanicRating	Integer
PersonalPreferenceRating	Integer
AverageRating	Float
Comment	Char(256)
Hidden	Boolean
Timestamp	Date

[github.com/akoss/mustached-ninja](https://github.com/akoss/mustached-ninja)