

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

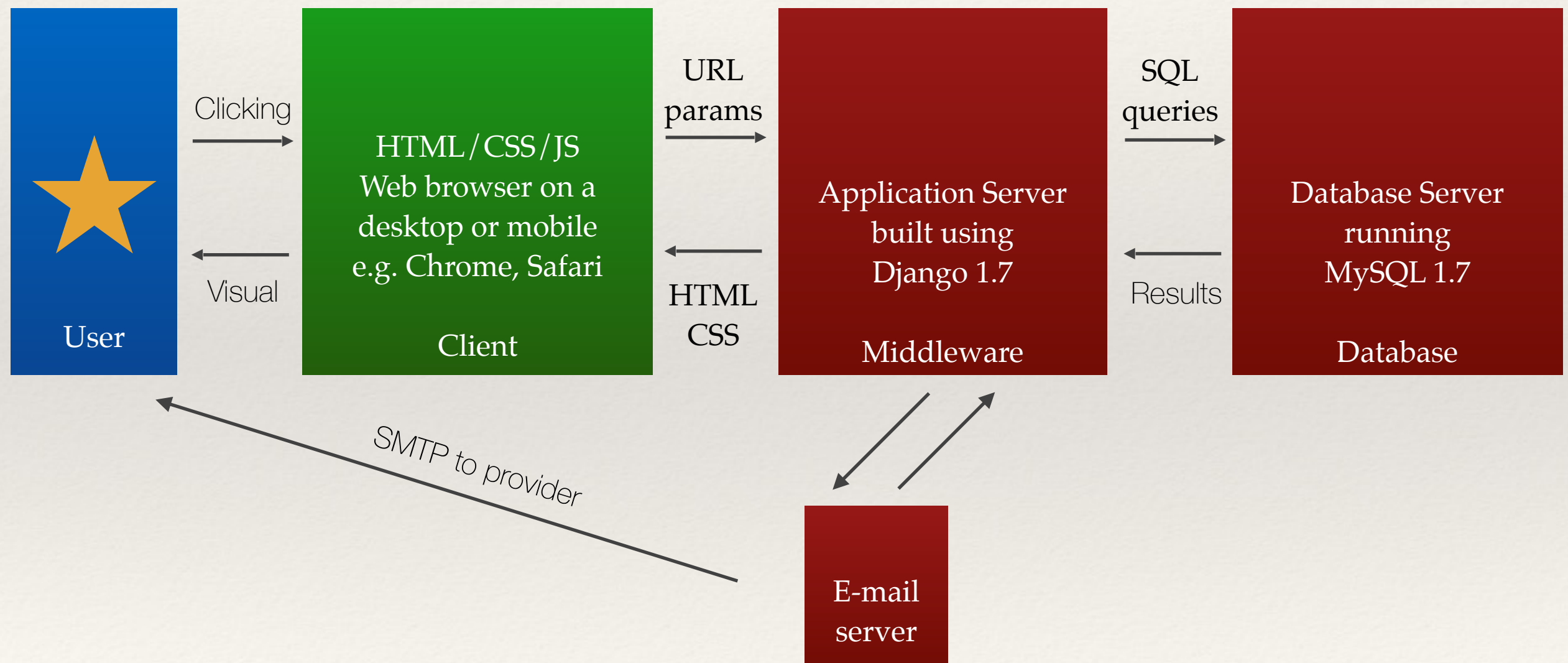
Could Have

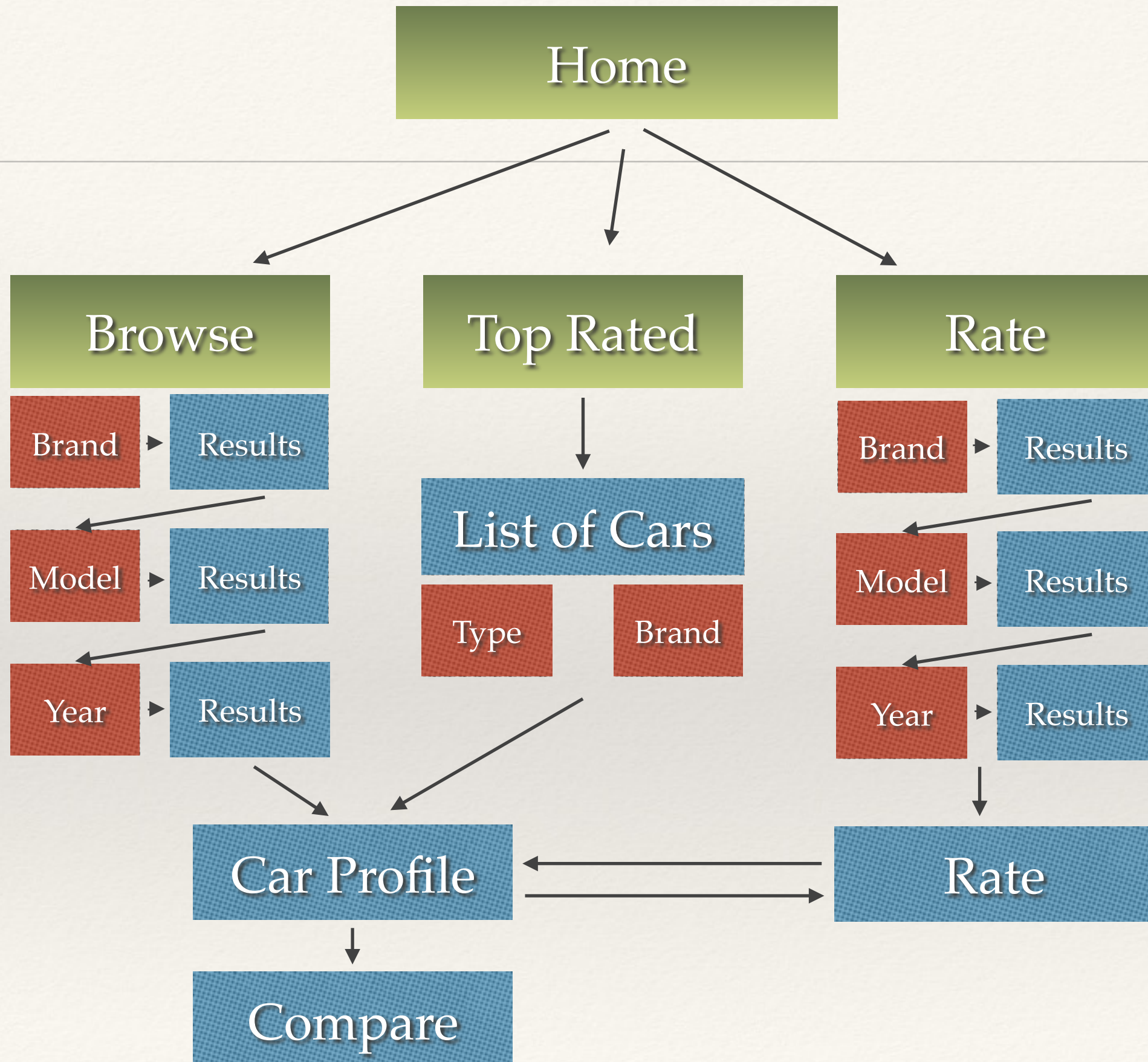
- ❖ Price engine provided by a 3rd party
- ❖ Car of the Month
 - ❖ E.g. most visited
- ❖ Ads?
 - ❖ From companies that aren't car manufacturers
 - ❖ No way to purchase biased reviews

Won't Have

- ❖ A fancy UI for administrators

3-tier Architecture

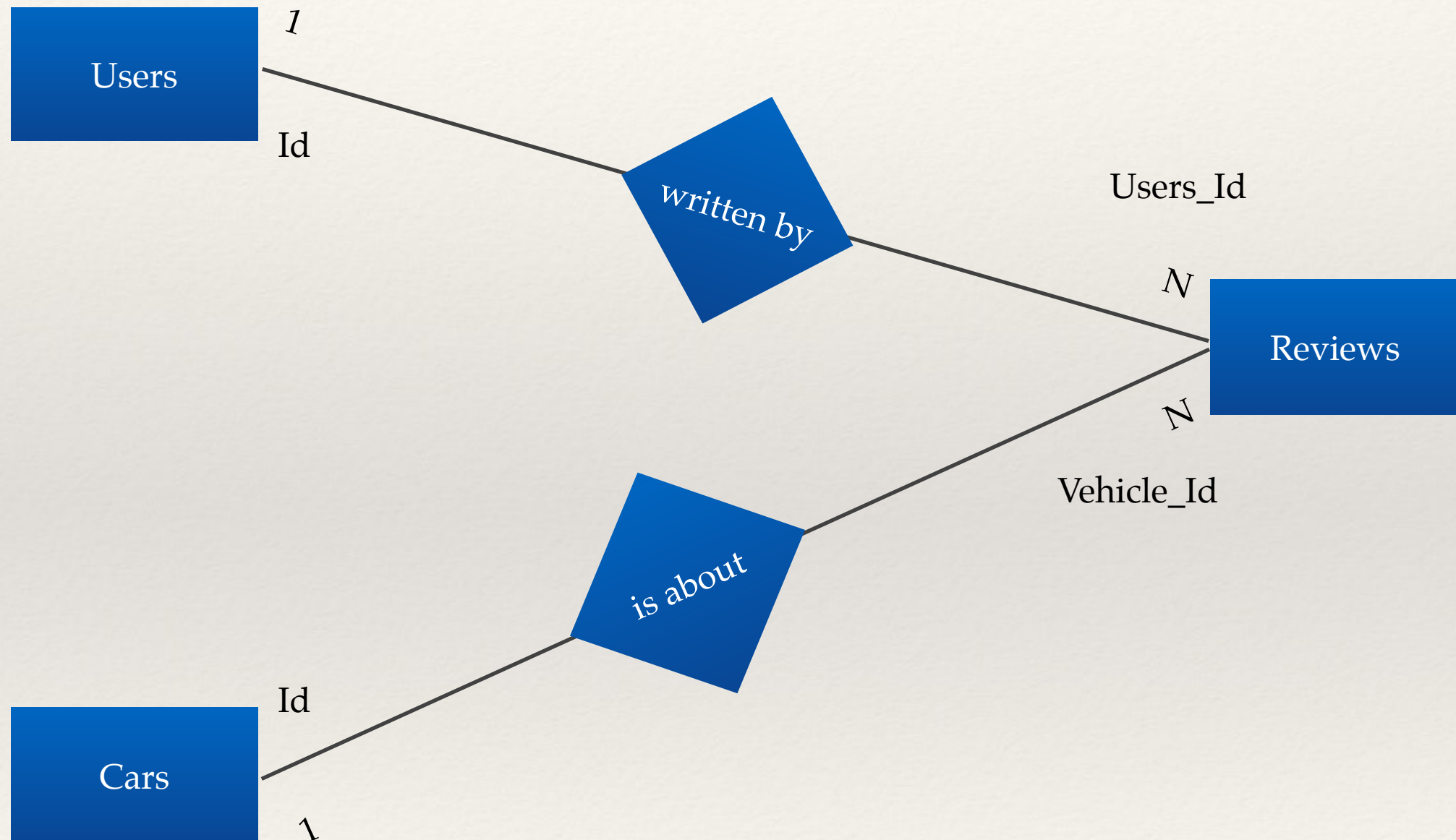




Domain Design

- ❖ /
- ❖ /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 Diagram



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