

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

An awesome car rating website  
by mustached-ninja

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# What is it?

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

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# Stand Out Features

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



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# User Personas

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## 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

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# Personas

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## 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.





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# Must Have

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

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# Should Have

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

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# Could Have

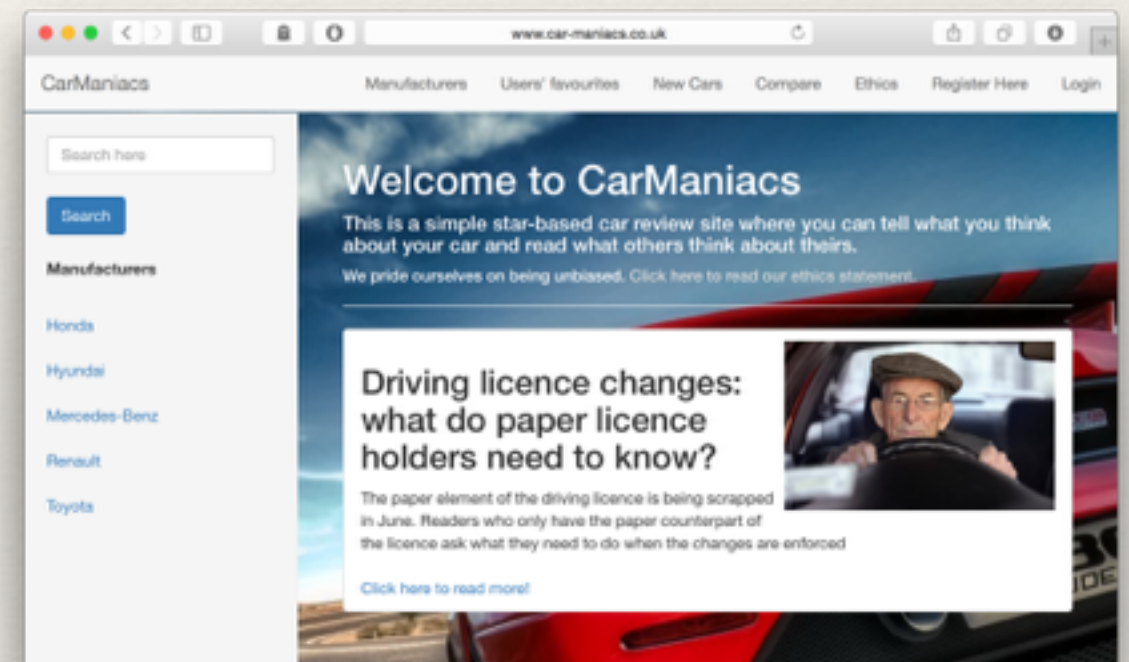
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- ❖ Price engine provided by a 3rd party
- ❖ Car of the Month
  - ❖ E.g. most visited
- ❖ Ads?
  - ❖ From companies that aren't car manufacturers
  - ❖ No way to purchase biased reviews



# Main Screen

- ❖ Search Bar
- ❖ List of manufacturers
- ❖ Pictures, news



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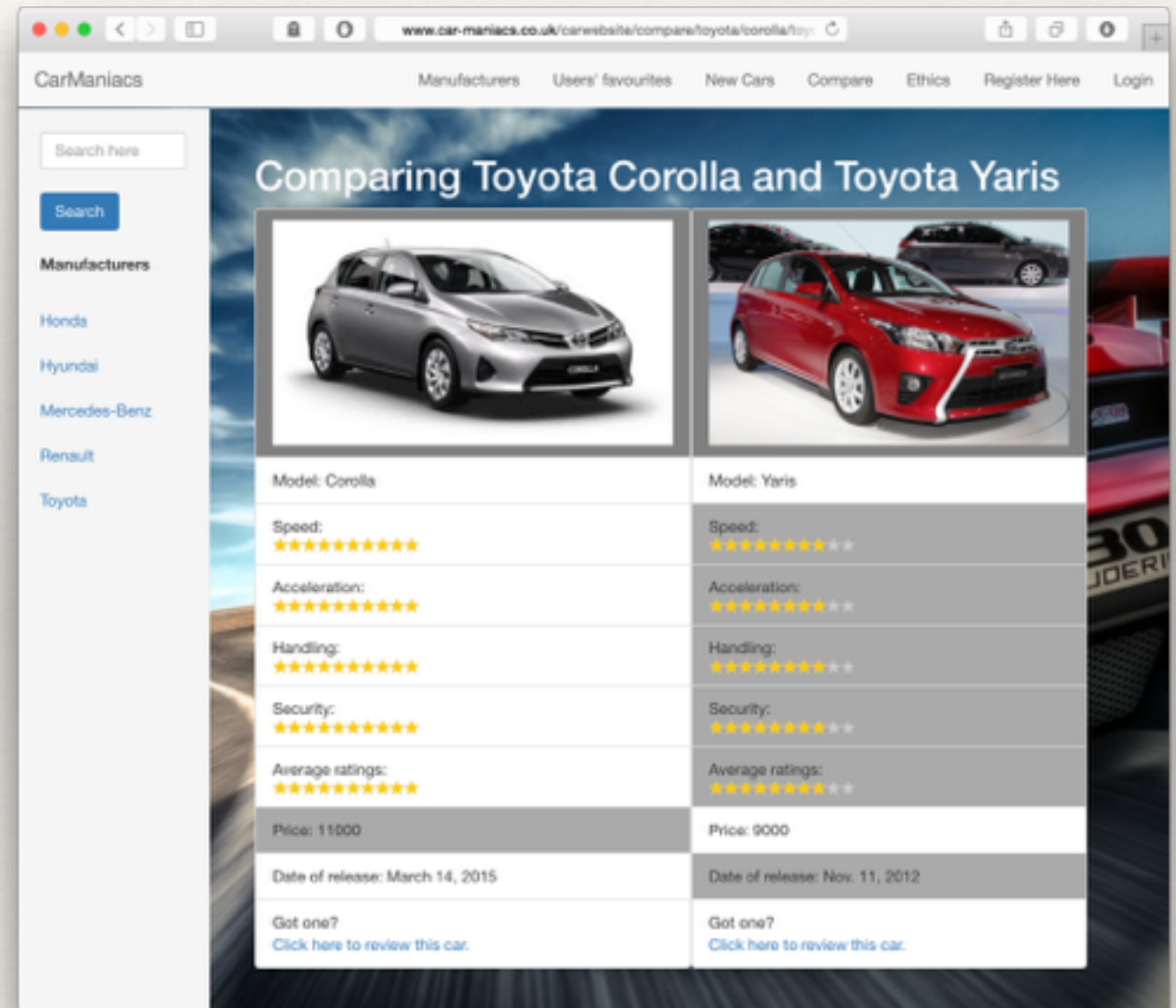
# Won't Have

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- ❖ A fancy UI for administrators

# Compare

- ❖ Easy
- ❖ Relevant fields next to each other
- ❖ See which is better



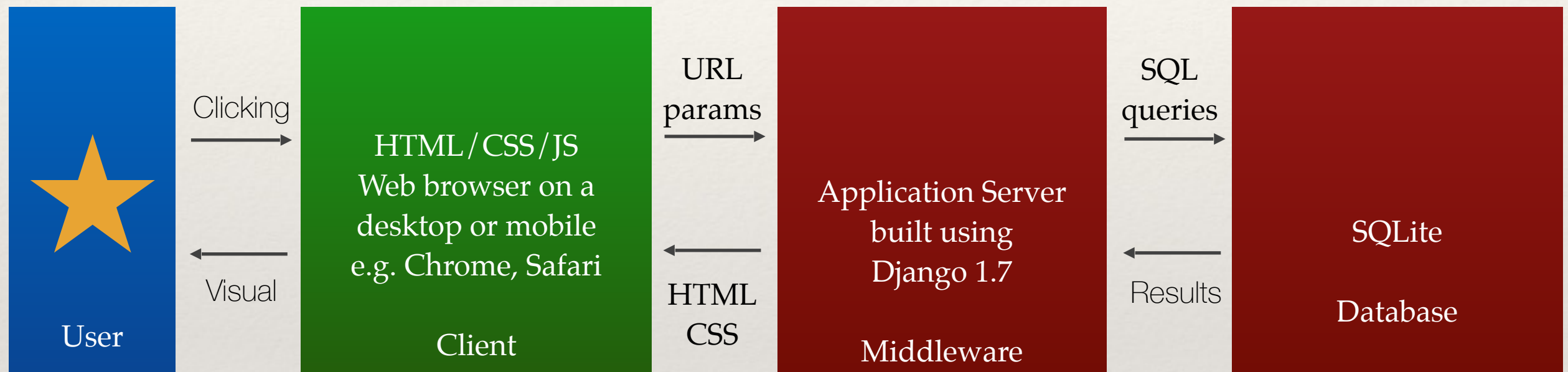


# Manufacturer

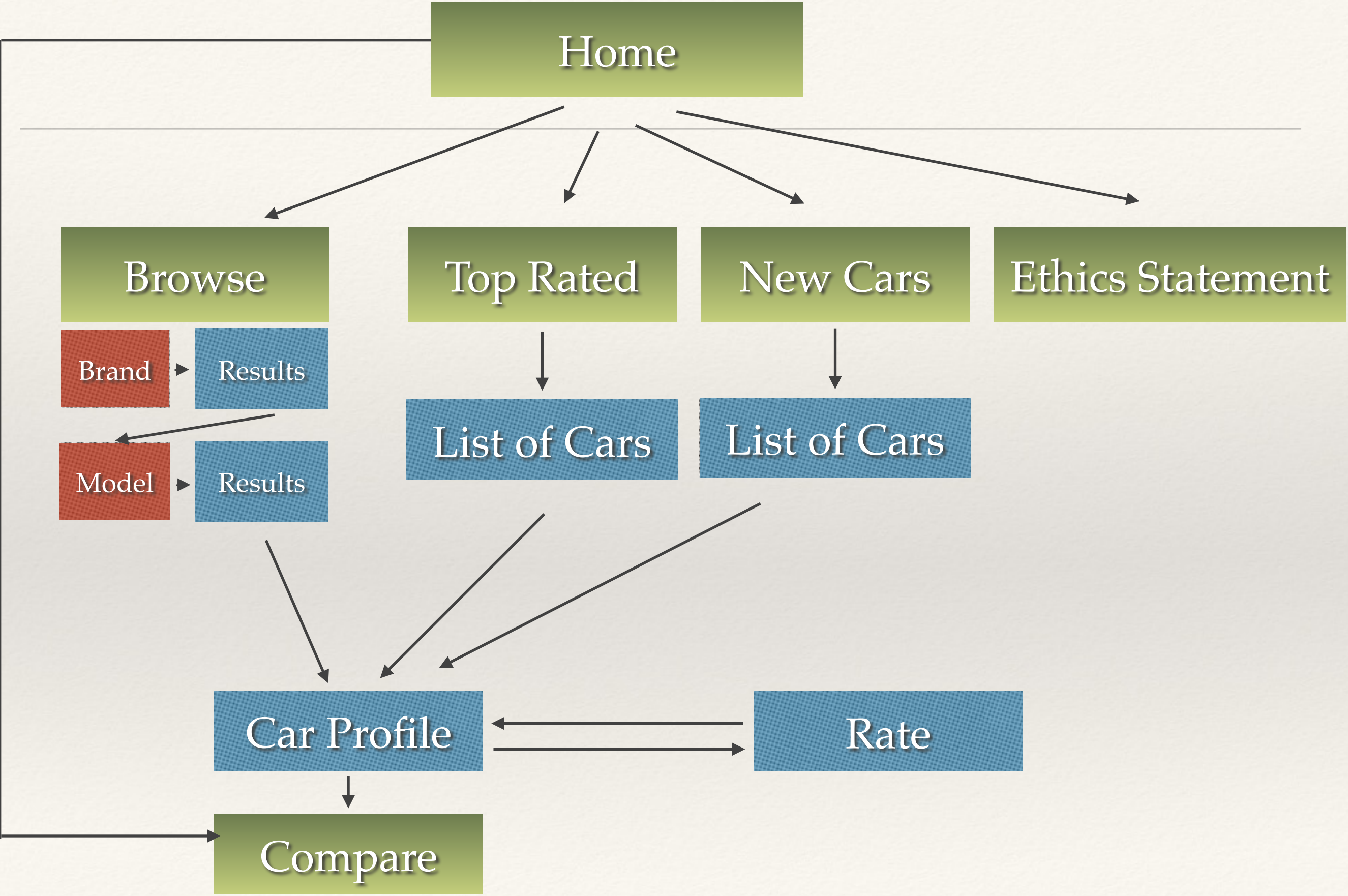
- ❖ List of models
- ❖ Clickable



# 3-tier Architecture









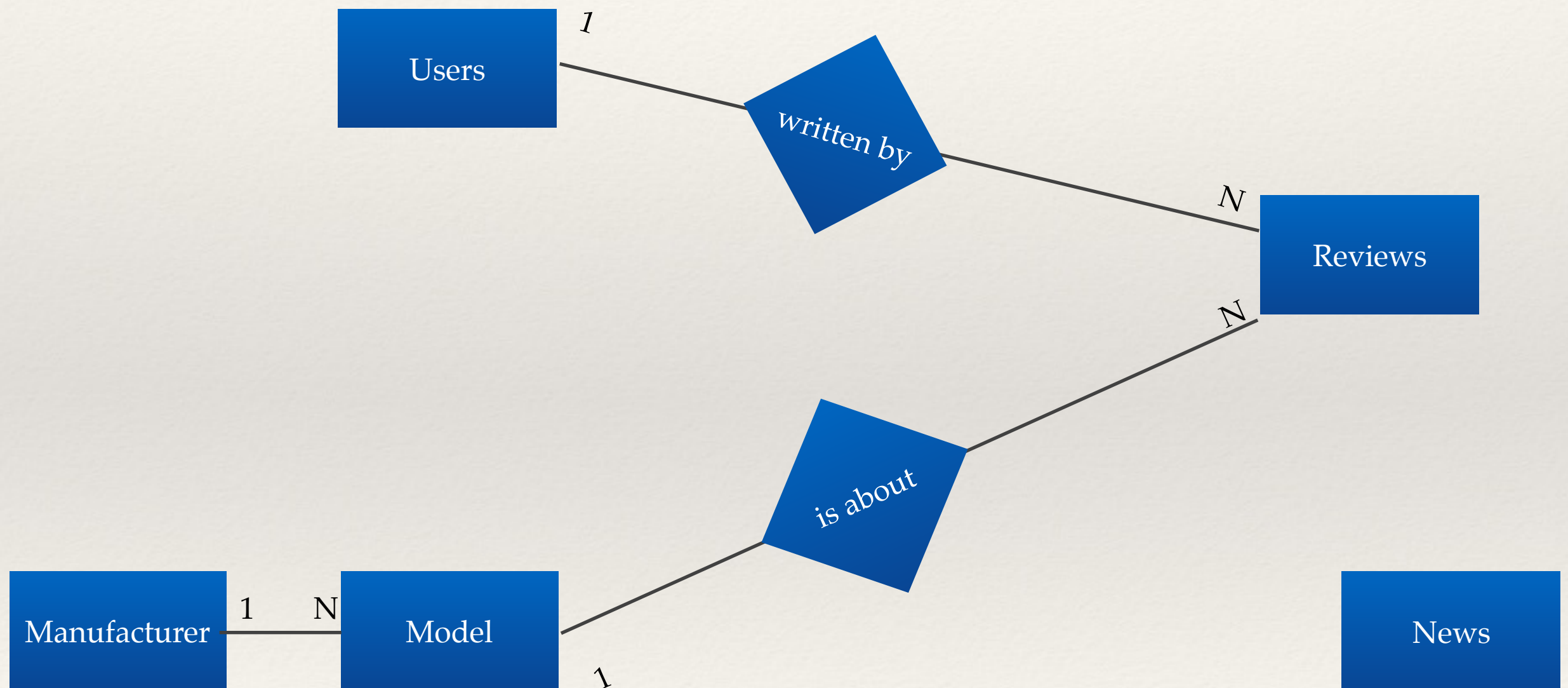
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# Domain Design

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- ❖ /
- ❖ /manufacturer/toyota/corolla
- ❖ /rate/toyota/corolla
  - ❖ GET and POST too
- ❖ /top Rated
- ❖ /new\_cars
- ❖ /compare/toyota/corolla/honda/civic
- ❖ /search
- ❖ /accounts
- ❖ /admin

# ER Diagram



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# Model

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Field	Type
manufacturer	ForeignKey(Manufacturer)
title	CharField
averageRatings	FloatField
speed	PositiveIntegerField
acceleration	PositiveIntegerField
handling	PositiveIntegerField
security	PositiveIntegerField
dateOfRelease	DateField
price	PositiveIntegerField
slug	SlugField
picture	ImageField



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# Review

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Field	Type
reviewer	ForeignKey(User)
model	ForeignKey(Model)
speed	PositiveIntegerField
acceleration	PositiveIntegerField
handling	PositiveIntegerField
security	PositiveIntegerField

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# News

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Field	Type
intro	CharField
title	CharField
link	CharField
show	BooleanField
slug	SlugField
picture	ImageField

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# Manufacturer

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Field	Type
name	CharField
slug	SlugField
picture	ImageField



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