

# Exercise

Course	Web Development
Module	PHP
Exercise	Framework CodeIgniter

## Summary

The main objective of this exercise is to familiarize the trainee with the codeigniter framework and its use in an MVC environment. The knowledge acquired throughout the course should be applied.

## A. Data base

1. Import the attached "automoveis.sql" database using the database manager of your choice.
2. This database will be used as the reference database of the website of an international rent-a-car company.

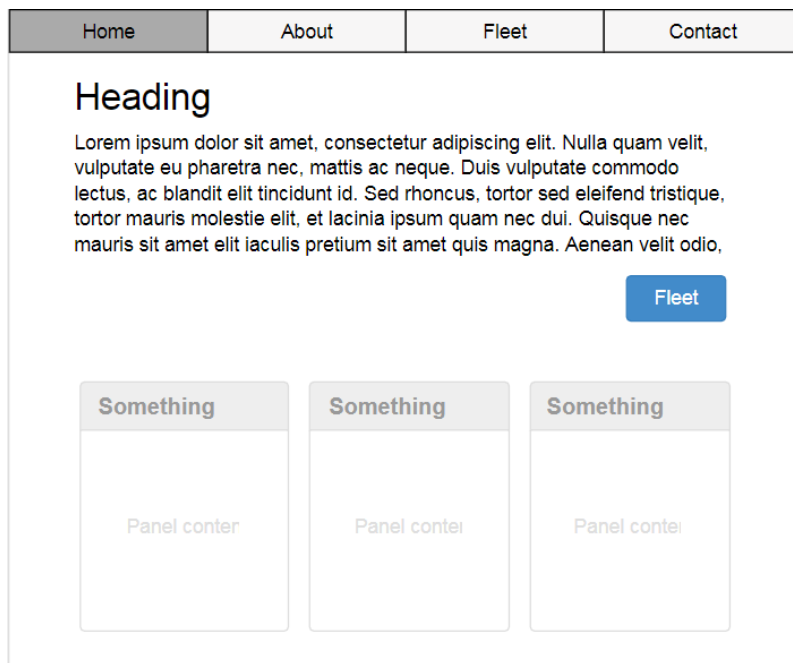
## B. Public Zone

1. The rent-a-car site must have the following public areas:
  - a. "home" page of entrance of the site with generic information on rent-a-car:.
  - b. "about" should contain a short presentation of the company.
  - c. "contact" form for sending messages to the administration.
  - d. "car fleet" available fleet search page.
    - i. submenu "add new" allows adding new cars to the existing fleet.
2. As a way to create urls compatible with good Search engine optimization (SEO) practices, urls from previous zones should be as follows:
  - a. domain/public/about
  - b. domain /public/contact
  - c. domain/fleet/search
    - i. domain/fleet/add
    - ii. domain/fleet/edit

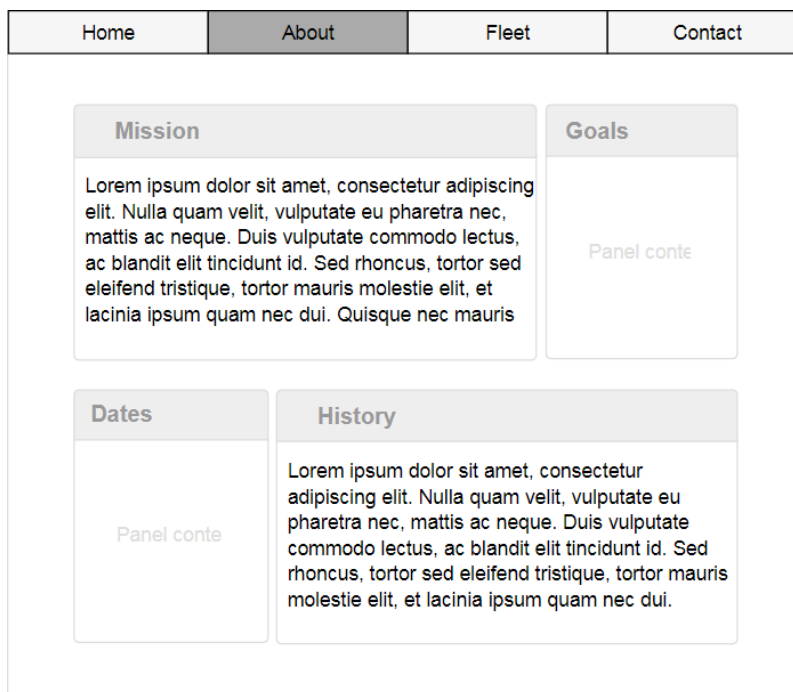
## C. Features

1. The rent-a-car website should list all cars and include a search form.
  1. Cars can be searched through the following fields:
    - i. Car model
    - ii. licence plate
    - iii. Manufacturer
2. The link for the edit vehicle should be :  
domain/fleet/edit/{car\_id}
3. It can be possible to delete a vehicle from the system only when it is available, and a message of success or failure is presented as the result.
  - A. The link to remove the vehicle from the system should be:  
domain/fleet/remove/{ car\_id }
4. The contact form allows you to send messages to the site management team. The data should be treated and validated in php.

## D. Mockups



Picture 1 - Home Page.



Picture 2 - About Page.

[Home](#)
[About](#)
[fleet](#)
[contact](#)

Manufacturer ▼

Manufacturer	Model	color	license plate	available	actions
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	

«
1
2
3
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7
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9
»

Picture 3 - Fleet Page.

[Home](#)
[About](#)
[fleet](#)
[contact](#)

### Edit Vehicle/add vehicle

Manufacturer  ▼

Model  ▼

Color  ▼

License plate

Cancel -> Go to Search page  
Save -> Go to search page with a success message

Picture 4 - Fleet page – Add new/edit.

Home About **fleet** contact

✓ Change Success













Manufacturer ▼

Search

Search

New

Manufacturer	Model	color	license plate	available	actions
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	 
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	 
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	 
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	 
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	 

« 1 2 3 4 5 6 7 8 9 »

Figura3 - Fleet Page – edit / save with success

[Home](#)
[About](#)
[fleet](#)
[contact](#)

## Confirm Delete

Delete vehicle XX-XX-XX

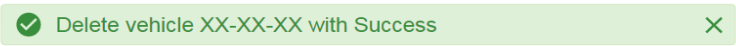
[Cancel](#)
[Save](#)

Cancel -> Go to search page

Save -> Go to search page with success message

Figura3 - Fleet Page – delete Vehicle.

[Home](#)
[About](#)
[fleet](#)
[contact](#)



[Manufacturer](#)

[Search](#)
[New](#)

Manufacturer	Model	color	license plate	available	actions
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	

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[3](#)
[4](#)
[5](#)
[6](#)
[7](#)
[8](#)
[9](#)
[»](#)

Figura3 - Fleet page –Vehicle deleted with succes.

[Home](#)
[About](#)
[fleet](#)
[contact](#)

✖ Error on Delete vehicle XX-XX-XX ✖

Manufacturer ▼

Manufacturer	Model	color	license plate	available	actions
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	

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Figura3 - Fleet Page – Vehicle not deleted.

[Home](#)
[About](#)
[fleet](#)
[contact](#)

Name

Email

Message

Figura3 - Contact page.