

Cars Rental Management System (CRMS)
SaaS

Obuda University
Gonzalo de la Cruz
Jan 2019

Table of contents / Index

[License](#)

[About](#)

[What can I do with this software?](#)

[Hardware and software requirements](#)

[Repository](#)

[Installation](#)

[Getting started](#)

[Basic use Diagram](#)

[Operations](#)

[Future dev – TO-DO list](#)

[Issues](#)

[Uninstalling](#)

[Bibliography](#)

License

All this software is distributed under MIT License. All libraries included

Permissions	Conditions	Limitations
<ul style="list-style-type: none">● Commercial use● Distribution● Modification● Private use	<ul style="list-style-type: none">● License and copyright notice	<ul style="list-style-type: none">● Liability● Warranty

Copyright (c) 2019 Gonzalo de la Cruz

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Please read the EULA agreement carefully

This End-User License Agreement ("EULA") is a legal agreement between you and My Company

This EULA agreement governs your acquisition and use of our My App software ("Software") directly from My Company or indirectly through a My Company authorized reseller or distributor (a "Reseller").

Please read this EULA agreement carefully before completing the installation process and using the My App software. It provides a license to use the My App software and contains warranty information and liability disclaimers.

If you register for a free trial of the My App software, this EULA agreement will also govern that trial. By clicking "accept" or installing and/or using the My App software, you are confirming your acceptance of the Software and agreeing to become bound by the terms of this EULA agreement.

If you are entering into this EULA agreement on behalf of a company or other legal entity, you represent that you have the authority to bind such entity and its affiliates to these terms and conditions. If you do not have such authority or if you do not agree with the terms and conditions of this EULA agreement, do not install or use the Software, and you must not accept this EULA agreement.

This EULA agreement shall apply only to the Software supplied by My Company herewith regardless of whether other software is referred to or described herein. The terms also apply to any My Company updates, supplements, Internet-based services, and support services for the Software, unless other terms accompany those items on delivery. If so, those terms apply.

License Grant

My Company hereby grants you a personal, non-transferable, non-exclusive licence to use the My App software on your devices in accordance with the terms of this EULA agreement.

You are permitted to load the My App software (for example a PC, laptop, mobile or tablet) under your control. You are responsible for ensuring your device meets the minimum requirements of the My App software.

You are not permitted to:

- Edit, alter, modify, adapt, translate or otherwise change the whole or any part of the Software nor permit the whole or any part of the Software to be combined

- with or become incorporated in any other software, nor decompile, disassemble or reverse engineer the Software or attempt to do any such things
- Reproduce, copy, distribute, resell or otherwise use the Software for any commercial purpose
 - Allow any third party to use the Software on behalf of or for the benefit of any third party
 - Use the Software in any way which breaches any applicable local, national or international law
 - use the Software for any purpose that My Company considers is a breach of this EULA agreement

Intellectual Property and Ownership

My Company shall at all times retain ownership of the Software as originally downloaded by you and all subsequent downloads of the Software by you. The Software (and the copyright, and other intellectual property rights of whatever nature in the Software, including any modifications made thereto) are and shall remain the property of My Company.

My Company reserves the right to grant licences to use the Software to third parties.

Termination

This EULA agreement is effective from the date you first use the Software and shall continue until terminated. You may terminate it at any time upon written notice to My Company.

This EULA was created by eulatemplate.com for My App

It will also terminate immediately if you fail to comply with any term of this EULA agreement. Upon such termination, the licenses granted by this EULA agreement will immediately terminate and you agree to stop all access and use of the Software. The provisions that by their nature continue and survive will survive any termination of this EULA agreement.

Governing Law

This EULA agreement, and any dispute arising out of or in connection with this EULA agreement, shall be governed by and construed in accordance with the laws of My Country.

About authors:

This software is developed by Gonzalo de la Cruz, computer science student.

Please use the following data to contact with the author:

g.delacruz@alumnos.urjc.es
@gdelacc

What can I do with this software?

With this software you can manage a basic car rental company. You have the possibility to add clients, cars, rentals, car repairing and car brands deal contracts (TODO).

In addition, this is a private software, with login system for company employees and register form. Only logged uses can add, view, edit, delete details of different sections.

Hardware and software requirements:

To run this software in localhost you need a basic XAMPP (PHP+mySQL/MariaDB +Apache) stack software installed on your computer. Win/Mac/Linux system is supported.

Composer Package Manager (required):

Composer helps you declare, manage, and install dependencies of PHP projects.

See <https://getcomposer.org/> for more information and documentation.

Minimum requirements:

PHP +7 version
mySQL +5.6

This software uses Symfony 4 PHP Framework with dependencies specified on composer.json file

Repository:

All the software code is hosted at Github code repository. Is strongly recommend install before using this manual.

You can find all the code in a Github repository:

```
https://github.com/gdelacc/php\_final\_project\_gonzalo/
```

Installation:

Fork/clone github repository to your local folder. Open a new terminal window:

Create a new folder and enter on it then type:

```
$ git clone https://github.com/gdelacc/php_final_project_gonzalo
```

Then run composer to install dependencies: (var and vendor folders)

```
$ composer install
```

```
$ composer update
```

Now we need to config our database connection. Please open .env file and change database credentials and database name

```
DATABASE_URL=mysql://db_user:@db_host:db_port/db_name?charset=UTF8
```

Now we have to create the database if not exist and create the basic schema:

To create the DB (we will get an error if the DB exists)

```
$ php bin/console doctrine:database:create
```

To create the basic app schema:

```
$ php bin/console doctrine:schema:update --force
```

After that you're ready to run the project.

Please read “getting started” section to run the software.

If you want to load default example values please type:

```
$ php bin/console doctrine:fixtures:load --no-interaction -vvv
```

Getting started:

To run the software just type:

```
$ php bin/console server:run
```

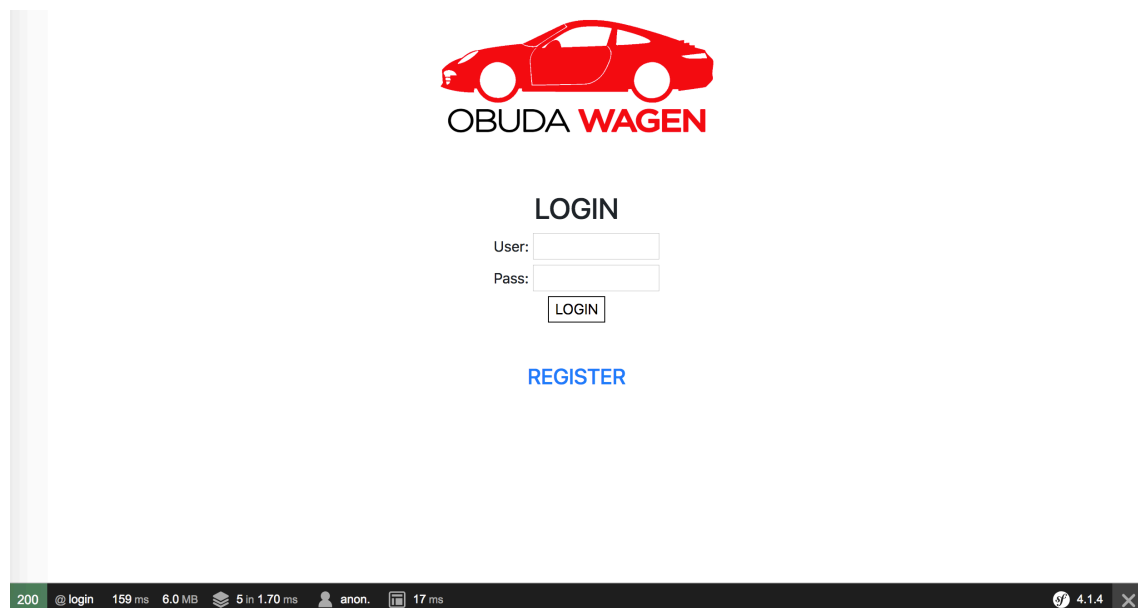
Then open your browsers on with the url proporcionated by terminal:

```
[OK] Server listening on http://127.0.0.1:8001

// Quit the server with CONTROL-C.

PHP 7.2.9 Development Server started at Sat Jan 12 18:58:48 2019
Listening on http://127.0.0.1:8001
Document root is /Users/gonzalo/_git/_OBUDA/php/RETAKE_11DIC/demo_v4/public
Press Ctrl-C to quit.
```

So open <http://localhost:8001> or <http://127.0.0.1:8001> to run the software. You should view something like that:

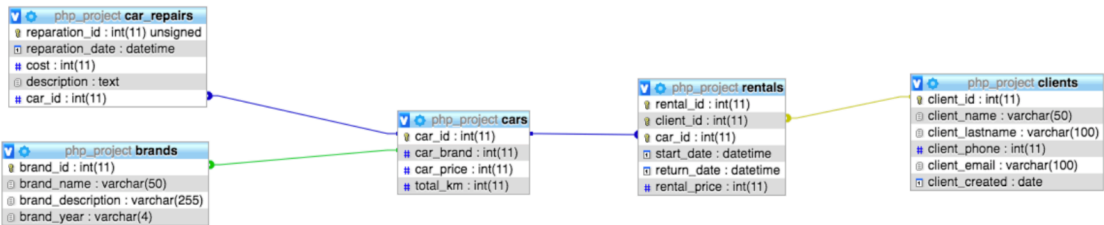


It means that it works!!! Enjoy!

PHP Symfony 4 Project

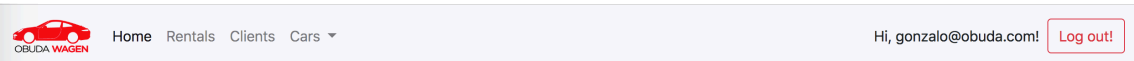


Basic use diagram and database description



Operations

Use navbar to reach each section:



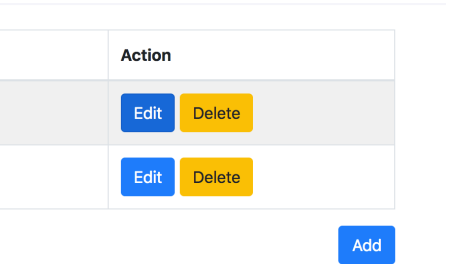
In home section you see the list of whole cars available:

Car Brand	Car Model	Price	Create Date	Action
BMW	116i	12345	2019-01-14 20:37:57	Edit Delete
AUDI	A3	28000	2019-01-14 20:37:57	Edit Delete

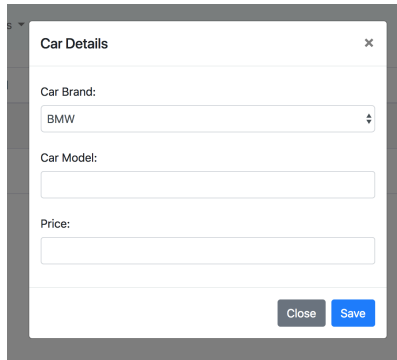
[Add](#)

Manage cars:

You can add, edit and delete cars using the actions panel:



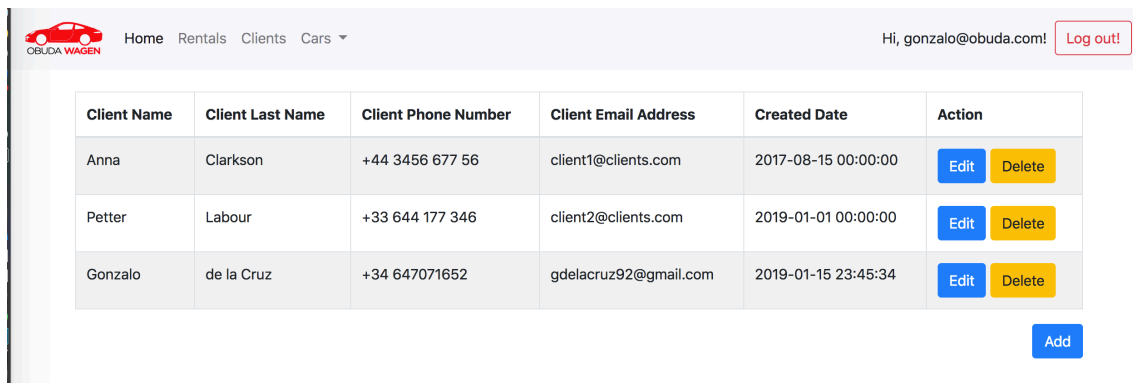
Edit and creating details using a modal dialog included in bootstrap framework:



A modal dialog titled "Car Details" with a close button (X). It contains three input fields: "Car Brand:" with a dropdown menu showing "BMW", "Car Model:" with a text input, and "Price:" with a text input. At the bottom right, there are "Close" and "Save" buttons.

Manage clients:

The functionality of clients and rentals are basically the same. You can edit add delete using action panel:



The screenshot shows the "Clients" management page. At the top, there is a navigation bar with "Home", "Rentals", "Clients", and "Cars" (with a dropdown arrow). On the right, it says "Hi, gonzalo@obuda.com!" and has a "Log out!" button. Below the navigation bar is a table with the following columns: "Client Name", "Client Last Name", "Client Phone Number", "Client Email Address", "Created Date", and "Action". The table contains three rows of client data. Below the table is an "Add" button.

Client Name	Client Last Name	Client Phone Number	Client Email Address	Created Date	Action
Anna	Clarkson	+44 3456 677 56	client1@clients.com	2017-08-15 00:00:00	Edit Delete
Petter	Labour	+33 644 177 346	client2@clients.com	2019-01-01 00:00:00	Edit Delete
Gonzalo	de la Cruz	+34 647071652	gdelacruz92@gmail.com	2019-01-15 23:45:34	Edit Delete

[Add](#)

Manage rentals:

Rentals are the same.

Client Name	Car Brand	Car Model	Price	Start Date	End Date	Action
Petter	BMW	116i	250	2018-07-20 11:33:19	2018-07-28 11:33:19	Edit Delete
Anna	AUDI	A3	380	2017-07-19 00:00:00	2018-07-22 00:00:00	Edit Delete
Gonzalo	AUDI	A3	45	2019-01-17 11:34:45	2019-01-19 11:34:45	Edit Delete

[Add](#)

Should be great show what cars are rented or not. And avoid new rentals for cars occupied.

Car brands and car repairs:

....Under development....

Future dev – TO-DO list

- Avoid renting cars if the car is rented in the same period.
- Create section for car brands management
- Create section for car repairs management
- UX improvements f.ex: confirmation messages for update succesfull, created , errors, etc.. Formating flashbag inside bootstrap.
- Independient login for admins and employeers.
- AJAX responses with state codes: 200 OK, 400, 404, etc

Know bugs:

There are no issues known.

Uninstalling:

Deleting the database:

```
$ php bin/console doctrine:schema:delete --force
```

Just delete the folder containing all files.

Bibliography and resources:

<https://eulatemplate.com/generator>

<https://symfony.com/doc/current/index.html>

<https://getbootstrap.com/docs/4.1/getting-started/introduction/>

<https://stackoverflow.com/questions/tagged/symfony>

<https://symfony.es/noticias/2017/05/02/symfony-4-un-ejemplo-practico/>

<https://twig.symfony.com/doc/2.x/templates.html>

<http://gitnacho.github.io/Twig/>