

Project : Web site Deshaieslocation.com

We are an I.T. Company and we have a need for one of our customer.

The running website is based in Joomla 3.X :
we use Vik Rent Car extension to manage our Rent A Car solution.

We need to add some extra option to this Extension as the following:

Work requirements :

1. Integrate PayPlug payment gateway

- The integration of a new payment gateway in the Vik Rent Car module is well documented at this url: <https://extensionsforjoomla.com/documentation/vik-rent-car-official-documentation#payment-processor>

In the administrator/components/com_vikrentcar/payments directory, there is one php file for each gateway ; there are already several gateways in this directory including the paypal gateway file on which you can see how to do it. The code of this module is supplied at the end of this document.

- There is 3 way to use PayPlug gateway; the payment form to integrate in the Vik Rent Car is the Lightbox one (see <https://www.payplug.com/docs/api/paymentpage.html>)

The api of payplug is easy to setup and all needed documentation is provided at this url:
<https://www.payplug.com/docs/api/apiref.html>

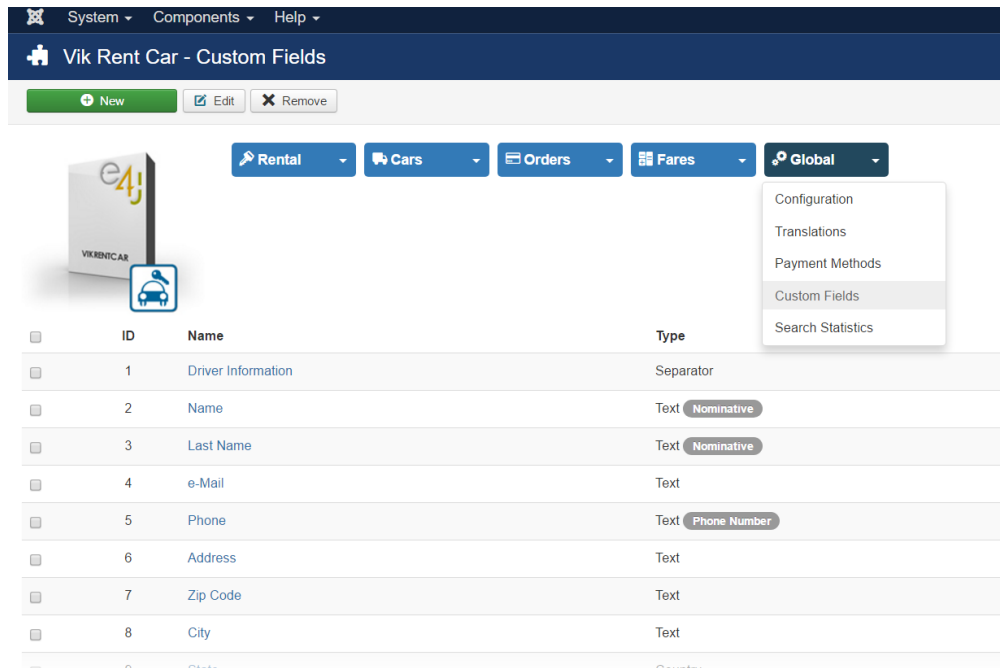
2. Modify export orders

Originally, there was a demand for this point but it is no longer wanted nor needed.

In place of it, we will need some help to setup the layout of the web site

3. Modifiy orders

In the administration of the module, we have the possibility to create custom fields :



With that possibility, as we want to take data for several drivers, I add there the needed fields :

Driver 1 information

- driver licence number
- Date of Driver Licence delivery
- Place of Driver Licence delivery

Separator Driver 2 information

- First name
- Last name
- Phone number
- Date of birth
- Place of birth
- Email address
- Street address
- driver licence number
- Date of Driver Licence delivery
- Place of Driver Licence delivery

Driver 3 and 4 information likewise

So up to there, no work for the programmer, all this is communicated for reference.

VRC Search

Lieu de départ
FLORENCE AIRPORT

Date de départ
Heure de départ
09 : 00

Date de Retour
Heure de retour
09 : 00

Lieu de retour
FLORENCE AIRPORT

Catégorie
AUCUN

RECHERCHE



To place an order, the customer have to do a search through the search module : (I take screenshots from the vikRentCar demo website)

Then, after choosing the start date /hour and the end date/hour and clic on search button

We go to the result of car disponibilities

And the customer can choose the car and go on the Following form :

Véhicules non trouvés: 4

	<p>City Car: Polo (or similar) Find everything you need to know about the Toyota iQ here, including reviews, tech specs and current offers. Visit us online today - Toyota iQ. Find everything you need to know about the Toyota iQ her ...</p>	<p>à partir de € 60.00</p> <p>SUITE</p>
<p> A Automatic Transmission 4x4 4 Wheels Drive Eletctric Powered Diesel Powered 3 Doors </p>		
	<p>City Car: Ford Focus Short description for Ford Focus</p>	<p>à partir de € 180.00 € 30.00 per Day</p> <p>SUITE</p>

Then after a detailed recap of the booking and possibility to check options we go to the form to fill with the driver data, choose the payment and ‘Confirm booking’ button:

(we will call this form ‘Confirm Booking Form’)

INFORMATIONS

* NOM	* Prénom	* e-Mail
<input type="text"/>	<input type="text"/>	<input type="text"/>
Mobile	Adresse	Code Postal
<input type="text"/>	<input type="text"/>	<input type="text"/>
Ville	* Pays	Date d'anniversaire
<input type="text"/>	<input type="text"/>	<input type="text"/>
Numéro de volm		
<input type="text"/>		
Example: You should only leave some notes in case you want us to see them		
Notes		
<input type="text"/>		
Méthode de paiement		
<input checked="" type="radio"/> Cash upon Arrival	<input type="radio"/> Offline Credit Card	<input type="radio"/> PayPal

CONFIRMER LA RÉSERVATION

Here, there is a need of change : we want here only the 3 top fields (first name, last name and email) and the note field visibles. So no more 'Mobile' 'Address' 'Zip Code' 'City' 'Country' 'Birthday', etc ...

(In fact, on that form, all fields that are listed in the administration menu 'Custom fields' are showed). So a good way for me is to add on administration menu 'Custom fields' a boolean field (called 'visible') for each field ; when this field would be checked, this field would be visible on the 'Confirm Booking Form'

The goal is to make it more easy to confirm the booking and avoid visitors to go out because of too much info to enter. But anyway, we need this information so we will ask it later to the customer.

Next step, we now get a form with recap of the order :



Numéro de Réservation 669 - Numéro de confirmation 368899151_1494878593 - Date de Réservation 15/05/2017 20:03

DONNÉES PERSONNELS:

NOM: Cutugno
Prénom: Toto
e-Mail: guyw777@gmail.com
Mobile: 590264946
Adresse: rue Donveau 18
Code Postal: 5621
Ville: Morialmé
Pays: Belgium
Date d'anniversaire: 27/03/64
Notes: test note



Véhicule loué: Polo (or similar)
de 06/07/2017 09:00 - à 21/07/2017 09:00
Lieu de départ: Florence Airport
Lieu de retour: Florence Airport

REI ITAL COST: € 270.00

TOTAL: € 270.00

MONTANT PAYÉ: € 270.00

Bank Transfer Info goes here



Download PDF

Annulation/demande de modification

[Cliquez ici pour une requête d'annulation de votre réservation](#)

On this form, we get a link to 'cancel or ask change'. **This button have to be removed.**

We get also an e-mail with reservation :

VikRentCar Réservation



Boîte de réception x



no-reply@extensionsforjoomla.com <no-reply@extensionsforjoomla.com>

À moi



VikRentCar

Numéro de Réservation: 669
Numéro de confirmation: 368899151_1494878593
Suivi de réservation: Terminé
Date de Réservation: 15/05/2017 20:03

Données Personnels:

NOM: Cutugno
Prénom: Toto
e-Mail: guyw777@gmail.com
Mobile: 590264946
Adresse: rue Donveau 18
Code Postal: 5621
Ville: Morialmé
Pays: Belgium
Date d'anniversaire: 27/03/64
Notes: test note

Véhicule en location: Polo (or similar)
Départ: 06/07/2017 09:00

Lieu de départ: Florence Airport

Retour: 21/07/2017 09:00

Lieu de retour: Florence Airport

Détails de Réservation:

Rental Cost - Km Included: unlimited

Total

Montant payé

EUR 270.00


EUR 270.00


EUR 270.00

Pour voir le détail de votre réservation, consultez la page suivante:


https://extensionsforjoomla.com/livedemo/vikrentcar/index.php?option=com_vikrentcar&task=vieworder&sid=368899151&ts=1494878593&Itemid=104

In that e-mail, there is a link to see the detail of the reservation. That link go to a page with the detail of the reservation :

VikRentCar 


 Numéro de Réservation 669 - Numéro de confirmation 368899151_1494878593 - Date de Réservation 15/05/2017 20:03

DONNÉES PERSONNELLES:
NOM: Cutugno
Prénom: Toto
e-Mail: guyv777@gmail.com
Mobile: 590264946
Adresse: rue Doniveau 18
Code Postal: 5621
Ville: Marialmé
Pays: Belgium
Date d'anniversaire: 27/03/64
Notes: test note

**Véhicule loué:** Polo (or similar)
de 06/07/2017 09:00 - **à** 21/07/2017 09:00
Lieu de départ: Florence Airport
Lieu de retour: Florence Airport

RENTAL COST: € 270.00
TOTAL: € 270.00
MONTANT PAYÉ: € 270.00

Bank Transfer Info goes here

 Download PDF

Annulation/demande de modification
[Cliquez ici pour une requête d'annulation de votre réservation](#)

We need that the link go to a page where the data already entered (this mean First name and last name of the first driver, email address and details of the order) are already showed and non-editable.

And under this, we need for the customer to be able to complete all the data of the first driver (and the other ones if applicable) :

(All fields that concern 1st driver and that are not already filled) :

- Date of birth
- Place of birth
- Street address
- driver licence number
- Date of Driver Licence delivery
- Place of Driver Licence delivery

And a check box ☐ Add a driver . When checked, all the fields of the second driver appear under.

And in the end another check box ☐ Add a driver . When checked, all the fields of the third driver appear under.

And in the end another check box ☐ Add a driver . When checked, all the fields of the forth driver appear under.

On administration / Order / order list

Vik Rent Car - Rental Orders

Export Generate Invoices View Order Delete Orders

Rental Cars Orders Fares Global

Orders List
Calendar
Overview
Graphs & Statistics

Customer Name/Confirmation Number

Any Location Pick-up Apply

ID	Date	Customer	Car	Pickup	Drop Off	Days	Total	Status
669	15/05/2017 09:00	Cutugno Toto	Polo (or similar)	06/07/2017 09:00	21/07/2017 09:00	15	€ 270.00 (€ 270.00)	Confirmed
668	15/05/2017 09:00	abc demo	Mini Countryman	18/05/2017 09:00	21/05/2017 07:00	3	€ 75.00 (€ 75.00)	Confirmed
667	15/05/2017 09:00	c c	Polo (or similar)	14/05/2017 08:45	16/05/2017 07:00	2	€ 20.00	Confirmed
666	15/05/2017 09:00	c c	Polo (or similar)	14/05/2017 08:45	16/05/2017 07:00	2	€ 20.00	Confirmed
665	15/05/2017 09:00	jean patrick djoux	Lancia Delta	13/05/2017 09:00	14/05/2017 09:00	1	€ 10.00 (€ 10.00)	Confirmed
664	15/05/2017 09:00	Hikoon Bbhjyann	Ford Focus	15/05/2017 09:00	22/05/2017 09:00	7	€ 280.00 (€ 280.00)	Confirmed
663	15/05/2017 09:00	serif staffs	Ford Focus	11/05/2017 00:00	31/05/2017 09:00	20	€ 590.00	Confirmed
662	15/05/2017 09:00	Markus Gb...	Ford Focus	11/05/2017 00:00	31/05/2017 09:00	20	€ 590.00	Confirmed

We click on one order :

Vik Rent Car - Rental Order

Back

Rental Cars Orders Fares Global

Orders List
Calendar
Overview
Graphs & Statistics

Order Date: 15/05/2017 20:03 Edit Reservation View in front site

Confirmed

RE-SEND EMAIL RE-SEND ORDER EMAIL + PDF

Order Number: 669 Confirmation Number: 368899151_1494878593

Download PDF

eMail Address:
guyw777@gmail.com

Customer Info:
NOM: Cutugno
Prénom: Toto
e-Mail: guyw777@gmail.com
Mobile: 590264946
Adresse: rue Donveau 18
Code Postal: 5621
Ville: Morialmé
Pays: Belgium
Date d'anniversaire: 27/03/64
Notes: test note

Fare:
Rental Cost: EUR 270.00
Km Included: unlimited

Total: EUR 270.00

Method of Payment: Cash upon Arrival
::Change method of payment::

Car: Polo (or similar)
Assign Unit #
Days of Rental: 15
Pickup: 06/07/2017 09:00
Drop Off: 21/07/2017 09:00
Pickup Location: Florence Airport
Drop Off Location: Florence Airport

There, the differents drivers have to be displayed and be editable when clic on Edit reservation

Appendix

Code of paypal.php found in /administrator/components/com_vikrentcar/payments directory :

```
<?php
/**
 * @package    VikRentCar
 * @subpackage com_vikrentcar
 * @author     Alessio Gaggii - e4j - Extensionsforjoomla.com
 * @copyright  Copyright (C) 2017 e4j - Extensionsforjoomla.com. All rights reserved.
 * @license    GNU General Public License version 2 or later; see LICENSE
 * @link       https://e4j.com
 */

defined('_JEXEC') OR die('Restricted Area');

class vikRentCarPayment {

    private $order_info;
    private $params;
    private $sandbox;

    /**
     * Do not edit this function unless you know what you are doing
     * it is just meant to define the parameters of the payment method
     */
    static function getAdminParameters () {
        return array(
            'logo' => array('type' => 'custom', 'label' => '', 'html' => ''),
            'account' => array('type' => 'text', 'label' => 'PayPal Account:'),
            'sandbox' => array('type' => 'select', 'label' => 'Test Mode://if ON, the
PayPal Sandbox will be used', 'options' => array('OFF', 'ON')),
            'tls12' => array('type' => 'select', 'label' => 'Force TLS 1.2://if ON, the
connection to PayPal will be established only through the TLS 1.2 protocol', 'options' =>
array('OFF', 'ON'))
        );
    }

    public function __construct ($order, $params = array()) {
        $this->order_info = $order;
        $this->params = $params;
        $this->sandbox = $params['sandbox'] == 'ON' ? 1 : 0;
        $this->params['tls12'] = $this->params['tls12'] == 'ON' ? 1 : 0;
    }

    public function showPayment () {
        $depositmess="";
        //coupon
    }
}
```



```

        if ($this->order_info['total_tax'] < 0) {
            $this->order_info['total_tax'] = 0;
        }
        if (($this->order_info['total_net_price'] + $this->order_info['total_tax']) > $this->order_info['total_to_pay']) {
            $this->order_info['total_net_price'] = $this->order_info['total_to_pay'];
            $this->order_info['total_tax'] = 0;
        }
        //
        if($this->sandbox == 1) {
            $paypal_url = "https://www.sandbox.paypal.com/cgi-bin/webscr";
        } else {
            $paypal_url = "https://www.paypal.com/cgi-bin/webscr";
        }
        $paypalaccount = !empty($this->params['account']) ? $this->params['account'] :
$this->order_info['account_name'];
        $form="<form action=\"".$paypal_url."\" method=\"post\">\n";
        $form.="<input type=\"hidden\" name=\"business\" value=\"\".
$paypalaccount."\"/>\n";
        $form.="<input type=\"hidden\" name=\"cmd\" value=\"_xclick\"/>\n";
        $form.="<input type=\"hidden\" name=\"amount\" value=\"\".number_format($this->order_info['total_net_price'], 2).\"\"/>\n";
        $form.="<input type=\"hidden\" name=\"item_name\" value=\"\".$this->order_info['transaction_name'].\"\"/>\n";
        $form.="<input type=\"hidden\" name=\"item_number\" value=\"\".$this->order_info['vehicle_name'].\"\"/>\n";
        $form.="<input type=\"hidden\" name=\"quantity\" value=\"1\"/>\n";
        $form.="<input type=\"hidden\" name=\"tax\" value=\"\".number_format($this->order_info['total_tax'], 2).\"\"/>\n";
        $form.="<input type=\"hidden\" name=\"shipping\" value=\"0.00\"/>\n";
        $form.="<input type=\"hidden\" name=\"currency_code\" value=\"\".$this->order_info['transaction_currency'].\"\"/>\n";
        $form.="<input type=\"hidden\" name=\"no_shipping\" value=\"1\"/>\n";
        $form.="<input type=\"hidden\" name=\"rm\" value=\"2\"/>\n";
        $form.="<input type=\"hidden\" name=\"notify_url\" value=\"\".$this->order_info['notify_url'].\"\"/>\n";
        $form.="<input type=\"hidden\" name=\"return\" value=\"\".$this->order_info['return_url'].\"\"/>\n";
        $form.="<input type=\"image\"
src=\"https://www.paypal.com/en_US/i/btn/btn_paynow_SM.gif\" name=\"submit\" alt=\"PayPal -
The safer, easier way to pay online!\">\n";
        $form.="</form>\n";
        if($this->order_info['leave_deposit']) {
            $depositmess="<p><strong>.JText::_('VRLEAVEDEPOSIT')."
".vikrentcar::numberFormat($this->order_info['total_to_pay'])." ".$this->order_info['currency_symb'].</strong></p><br/>";
        }
        //output form
        echo $depositmess;
        echo $this->order_info['payment_info']['note'];
        echo $form;

```

```

        return true;
    }

    public function validatePayment () {
        $log="";
        $array_result=array();
        $array_result['verified']=0;

        //cURL Method HTTP1.1 October 2013
        $raw_post_data = file_get_contents('php://input');
        $raw_post_array = explode('&', $raw_post_data);
        $myPost = array();
        foreach ($raw_post_array as $keyval) {
            $keyval = explode ('=', $keyval);
            if (count($keyval) == 2)
                $myPost[$keyval[0]] = urldecode($keyval[1]);
        }
        $req = 'cmd=_notify-validate';
        if(function_exists('get_magic_quotes_gpc')) {
            $get_magic_quotes_exists = true;
        }
        foreach ($myPost as $key => $value) {
            if($get_magic_quotes_exists == true && get_magic_quotes_gpc() == 1) {
                $value = urlencode(stripslashes($value));
            } else {
                $value = urlencode($value);
            }
            $req .= "&$key=$value";
            $log.=$key." : ".$value."\n";
        }

        if(!function_exists('curl_init')) {
            $log = "FATAL ERROR: cURL is not installed on the server\n\n".$log;
            $array_result['log']=$log;
            return $array_result;
        }

        if($this->sandbox == 1) {
            $paypal_url = "https://www.sandbox.paypal.com/cgi-bin/webscr";
        } else {
            $paypal_url = "https://www.paypal.com/cgi-bin/webscr";
        }

        $ch = curl_init($paypal_url);
        if ($ch == FALSE) {
            $log = "Curl error: ".curl_error($ch)."\n\n".$log;
            $array_result['log']=$log;
            return $array_result;
        }

        curl_setopt($ch, CURLOPT_HTTP_VERSION, CURL_HTTP_VERSION_1_1);
        curl_setopt($ch, CURLOPT_POST, 1);
    }

```

```

curl_setopt($ch, CURLOPT_RETURNTRANSFER,1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $req);
curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, 1);
curl_setopt($ch, CURLOPT_SSL_VERIFYHOST, 2);
if (defined('CURLOPT_SSLVERSION') && ($this->sandbox == 1 || $this-
>params['tls12'] == 1)) {
    //TLS 1.2
    curl_setopt($ch, CURLOPT_SSLVERSION, 6);
}
curl_setopt($ch, CURLOPT_FORBID_REUSE, 1);
curl_setopt($ch, CURLOPT_CONNECTTIMEOUT, 30);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Connection: Close'));

// CONFIG: Please download 'cacert.pem' from
"http://curl.haxx.se/docs/caextract.html" and copy it in the same folder as this php file
// This is mandatory for some environments.
// $cert = dirname(__FILE__) . "/cacert.pem";
// curl_setopt($ch, CURLOPT_CAINFO, $cert);

$res = curl_exec($ch);
if (curl_errno($ch) != 0) {
    $log .= date('[Y-m-d H:i e] '). "Can't connect to PayPal to validate IPN
message: " . curl_error($ch) . PHP_EOL;
    curl_close($ch);
    $array_result['log']=$log;
    return $array_result;
} else {
    $log .= date('[Y-m-d H:i e] '). "HTTP request of validation request:".
curl_getinfo($ch, CURLINFO_HEADER_OUT) . " for IPN payload: $req" . PHP_EOL;
    $log .= date('[Y-m-d H:i e] '). "HTTP response of validation request: $res" .
PHP_EOL;
    curl_close($ch);
}

if (strcmp (trim($res), "VERIFIED") == 0) {
    $array_result['tot_paid']=$_POST['mc_gross'];
    $array_result['verified'] = 1;
}elseif (strcmp ($res, "INVALID") == 0) {
    $log .= date('[Y-m-d H:i e] '). "Invalid IPN: $req"."$res" . PHP_EOL;
}

//END cURL Method HTTP1.1 October 2013

//old IPN method before October 2013
// $req = 'cmd=_notify-validate';
// foreach ($_POST as $k => $v) {
//     $req .= "&". $k . "=" . urlencode(stripslashes($v));
//     $log.=$k.": ".$v."\n";
//     if($k=='mc_gross') {
//         //cannot be in decimals
//         $array_result['tot_paid']=$v;
//     }

```

```
//
// $array_result['log']=$log;
// $sheader .= "POST /cgi-bin/webscr HTTP/1.0\r\n";
// $sheader .= "Content-Type: application/x-www-form-urlencoded\r\n";
// $sheader .= "Content-Length: " . strlen($req) . "\r\n\r\n";
//
// $fp = fsockopen ('ssl://www.paypal.com', 443, $errno, $errstr, 30);
// $res = "";
// if ($fp) {
//     fputs ($fp, $sheader.$req);
//     while (!feof($fp)) {
//         $res .= fgets ($fp, 1024);
//     }
//     fclose ($fp);
//     if (strcmp ($res, "VERIFIED") == 0 || substr($res, -8, 8) == "VERIFIED") {
//         $array_result['verified']=1;
//     }
// }
// //END old IPN method before October 2013
//
// $log .= "\n\n".$res;
// $array_result['log']=$log;
//
// return $array_result;
//
}
```

2.