HOLIKEY Project By Meriem Cherradi 16.06.2020

Plan

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1. Project Description

HOLIKEY Project is a multivendor plateform that relates vehicle rental agencies with their direct customers.

The platform allows the users to search and book a vehicle.

The concerned agencies are located in Morocco and a client can be located in any country in the world.

The platform offers an online payment: 20% (at least) or 100% (optional)

Possible pickup locations of a vehicle

- the agency address
- the airports
- train stations
- bus stations
- city centers.

Each agency defines a set of pickup locations among the possible pickup locations.

2. A General Use Case

Mr. Faysal Cherradi needs a car in Beni Mellal train station from 12.06 to 20.06. He opened the home page of Holikey platform, searched the car. The result shows 10 vehicules with their prices and main features.

Mr. Cherradi filtered the search results to show only small cars and then, sorted them by the cheapest. He selected the car *Smart* offered by the agency *MoroccoRent*. He decided to book this car.

He added an extra booster seat for his 5 years old son.

In the next step, he entered his personal data and then chose to pay with his VISA card. For that, he enetered the card codes and pay all the total amount of the rental. He received a confirmation mail with the possibility to cancel his reservation.

Agency got notification mail for a new pending reservation. The admin of the agency checks the availability then confirmed the reservation.

After the confirmation from the agency the required amount to pay is booked from the VISA Card of the customer. Mr. Cherradi received the final confirmation per mail. He printed the rental document and picked up the car on the start date.

3. Users and Entities

Three users of the plateform

- Administrator: accept/reject an agency
- Agency: publishes vehicles, confirm/reject a reservation
- **Client:** searchs and rents a vehicle

Business Entities

- Agency
- Client
- **Vehicle:** several types (small car, transporter, etc)
- Reservation: performed by the client. A reservation can be confirmed or rejected by the concerned agency or canceled by the client before the deadline.

Non-business Entities

- Address: street, number, postal code, city, state and country.
- Price:

reservation price = price per day * duration

+

price of extra added services (insurance, seats, navigation system and second driver)

The price of a vehicle depends on the season (high or low) and the days (business days or public holidays).

Properties of Entities

Agency	Customer	Vehicle	Reservation
Number	Id	Id	Number*
Name	First name*	Vehicle number*	Date*
Surname	Last name*	Vehicle Type	Start date*
Address*	Company	Category (the agency	End date*
Phone*	Date of birth*	defines its own categories)	Pickup location*
Email*	Phone number*	Brand*	Pickup time
Join date (registration date)	Email*	Model*	Customer*

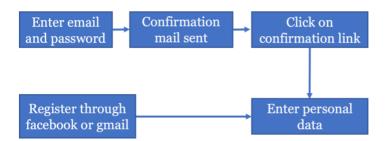
Contact (his full name)	Driving license	Year	Vehicle*
Description	number*	Energy*	Agency*
Payment methods	Issued date*	Gear type	Status*: pending,
Provided seats (baby, child,	Address	Doors*	confirmed, canceled or
booster)		Seats*	completed.
Navigation System		Air conditionning	Payment date
Insurance*		Air bags	Paid price*
Second driver price		Navigation system	Total paid*
Pickup locations		Low price*	
Cancellation dealine		High price*	
Review		Holidays price*	
Review comments		Description	

4. Workflows

Customer signup

First, the user enters only the email and password. Then, a confirmation mail that contains a confirmation link is sent to the user. After clicking the link, the user is redirected to enter his personal data.

The user can also register via his existing gmail or facebook accounts.



First and final confirmations

The user confirms the payment of his reservation, then a first confirmation mail is sent to him and a notification is sent to the concerned agency. At this stage, the reservation has the status **pending**. The agency checks the availability of the vehicle and confirms the reservation. At this step, the status of the reservation is **confirmed**. The paid amount of the reservation is then taken from the user account. Finally a final confirmation mail is sent to the user.



5. Front end

Steps of booking a vehicle

1. Home page:

Three mandatory search fields.

The start date is opened directly after selecting the pickup location.

After selecting the start date, end date is automatically opened.

When the search button clicked, the results are displayed.

2. Search results:

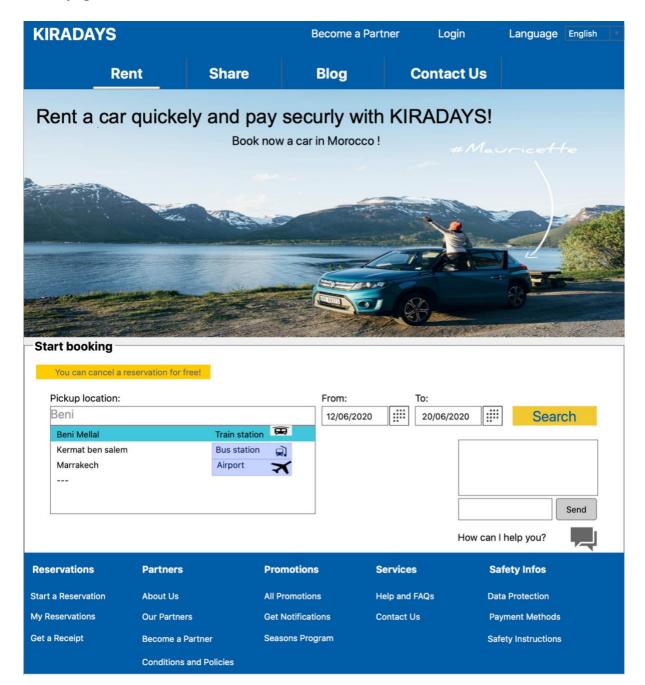
The search result shows 10 vehicles per page.

The list of vehicles is sorted by default by the best rated. Then the the cheapest. The user can modify his search or filter the results by several vehicle features and

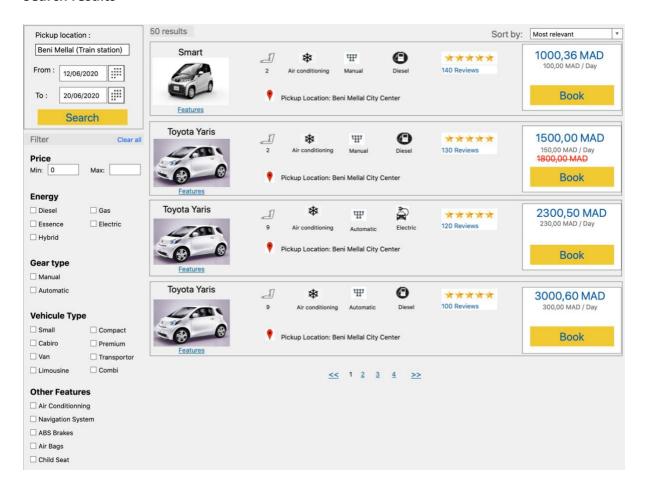
agency services.

- 3. Extras services: insurance, seats, navigation system and second driver
- 4. **Personal data:** signed in case and not signed in case
- 5. **Payment:** the client should pay either the total price or 20% of it
- 6. **Confirmation:** a first confirmation is shown with a link to immediately cancel the reservation. The user is also informed about the mail sent and the agency cancellation policy
- 7. **First mail:** contains a confirmation and a link to cancel the reservation
- 8. **Final mail**: contains all the rental infos and a link to cancel it. The amount to pay is booked at this step.

Home page



Search results

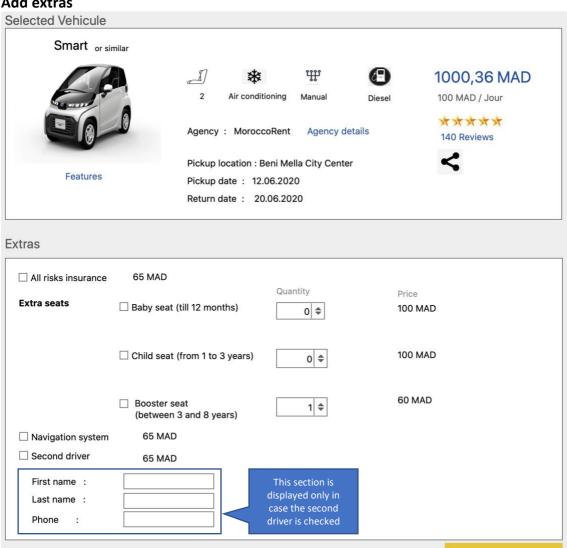


Reviews details

When clicking the reviews, the following frame is displayed. It contains the rating, the number of people who reviews the item and comments



Add extras



Next

Personal data: not registered case

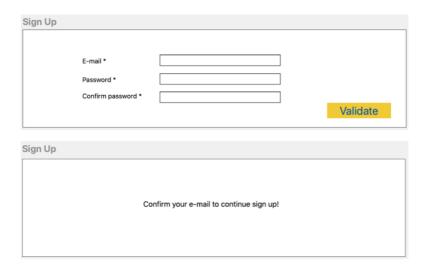
sonal Data	Login	now and save time!	Login	Sign up
Mr 💠				
First Name *		Last Name	*	
Company		Date of Birt	h 12/06/	2020
E-mail *		Driving Lice	ence Num	
Phone		Issued Date	e	
Address				
Street, Nr		Country	Moroc	co v
City		State	Casab	lanca ▼
Postal Code				
Flight Number		Terminal		
I am the main clien	t	First Name	e	
O I am booking for so	omeone else	Last Name		
Comment				
* Please fill in				
Data protection				
Price Details		_		
Rental Price :	1000,36 MAD	Pay all the t		2004 on the minimum date
Extras		○ Pay 20% of	tne total price and	80% on the pickup date
Booster Seat : Total Price :	60 MAD			
	1060,36 MAD			Next

Personal data: registered case

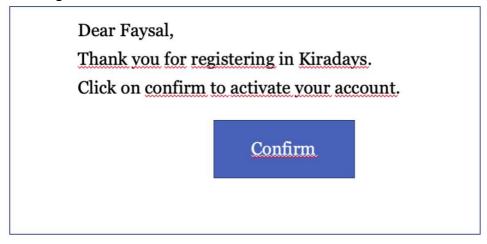
onal Data		Hello Faysal Cherradi! See my rese
Mr Fayaal Charradi		Deliving License Number - D0725 4404
Mr Faysal Cherradi		Driving Licence Number: D87354401
+212675434233		Issued date : 03.04.2010
fcherradi@gmail.com		Edit personal data
Flight Information (o	ptional)	
Flight Number		Terminal
- Ingrici (danise)		
I am the main client		First Name
O I am booking for sor	meone else	Last Name
-		Phone Number
Comment		
Price Details		
Rental Price :	1000,36 MAD	Pay all the total price
		\bigcirc Pay 20% of the total price and 80% on the pickup date
Extras Booster Seat	60 MAD	
Total Duice	1060,36 MAD	
Total Price :		

Sign up client

Enter email and password (Popup)



Send registration confirmation mail



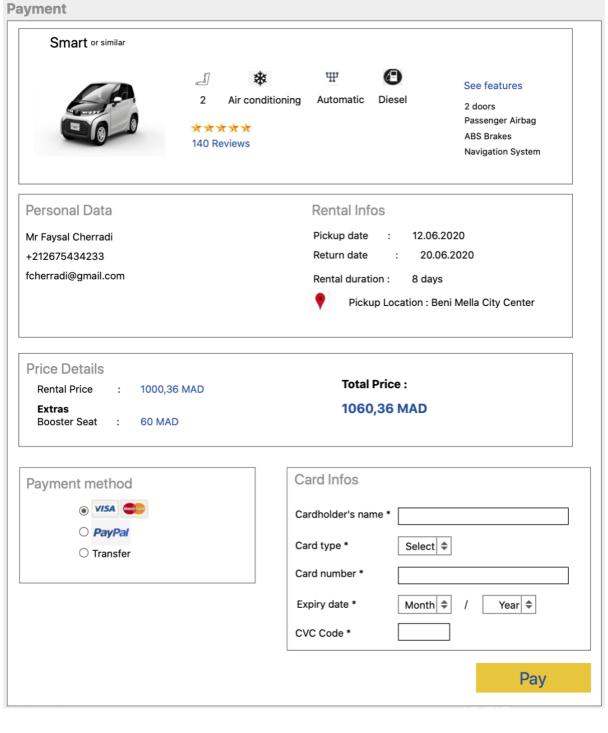
The user enters his personal data and click save to complete the signup process.

Personal data

Personal Data			
Mr 💠			
First Name *		Last Name *	
Company		Date of birth *	12/06/2020
Email *		Phone *	
Address			
Street, Nr		Country	Morocco 🔻
City	Casablanca 🔻	State	Casablanca ▼
Postal Code			
Password *		Driving Licence Num	nber *
Confirm passwor	rd *	Issued Date *	12/06/2020
* Please fill in			
<u>Data protection</u>			Save

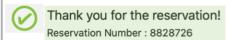
Payment

_



First confirmation

Hello Faysal Cherradi! See my reservations



Cancel this reservation

Confirmation mail is sent

Agency canceling policy

In this section:

The deadline to cancel the reservation. If the user didn't cancel the reservation before the deadline, this is considered as a final confirmation. The user lose 20% of the total price in case he didn't come at the pickup time.

Agency signup

The following interface is displayed after clicking on "become a partner" in the home page menu. Any agency can fill the form and validate it. A notification is sent to the admin and he can accept or reject the agency.

Agency Sign Up	
Name	Allowed Payment
Surname	Pay all only
Address	□ Pay 20%
Street, Nr	Which type of seats do you provide?
City	☐ Baby seat Price (MAD)
Postal Code	☐ Child seat Price (MAD)
Country	☐ Booster seat Price (MAD)
Contact Infos	Do you provide Navigation System? Yes 🕏
Full name	Pickup Locations
Email	\square Set agency address as a pickup location
Phone	Default Pickup Location Marrakech ♦
Role	Set agency address as a default pickup location
Login Infos	Add a Pickup Location +
User Name	
Password	Insurance
Confirm Password	Price (MAD)
	Do you provide other extras services?
	Comment
	Validate

6. Backend

- · Two backend modes
 - Admin backend
 - · Agency backend
- Every list in the backend is equiped with a sort by dates and/or price, and a search field.
- By delete we mean that the item is deactivated or archived.

6.1. User Privilegs

Agency

- Sign up and sign in/out
- Modify profile
- Vehicle operations
- List vehicles
- List reservations for a vehicle
- Add a new vehicle
- Modify a vehicle
- Delete a vehicle
- Reservation operations
- List reservations
- Confirm a pending reservation and cancel a reservation
- Set post-reservation (in case of vehicle damage or accident)
- Exclude time frames of not possible reservation
- Client operations
- List customers
- List reservations for a customer

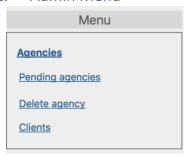
Client

- Sign up and sign in/out
- Modify profile
- · Rent a vehicule
- List reservations
- Cancel a reservation before deadline

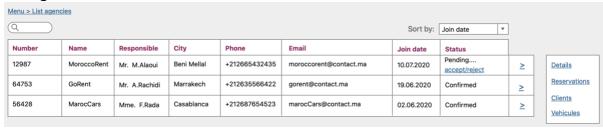
Admin

- Sign in/out
- Agency operations
- List agencies
- List agency profile (Display the rating)
- Accept an agency
- Reject an agency
- Delete an agency
- List agency customers
- List agency vehicules
- List agency reservations
- List all customers
- Consult reporting

6.2. Admin Menu



List Agencies



Details Agency

Menu > List agencies > details Accept Reject Agency: MoroccoRent (Num 12987) Surname MoroccoRent **Address** Boulevard Ettazi, Num 27, Beni Mellal 45060 (Azilal) Maroc **Phone** +212665432435 **Email** moroccorent@contact.ma 10.07.2020 Join date **Contact** Mr. Mohammed Alaoui (responsable marketing) **Allowed payment** Pay all/ pay 50% **Provided seats** Baby seat 100 MAD Child seat 100 MAD Booster seat **Navigation system** Yes 65 MAD Insurance Yes 65 MAD **Second driver** 65 MAD **Pickup locations** Beni Mellal Agency Address Beni Mellal City Center Beni Mellal Train Station (name, address) Beni Mellal Bus Station (name, address) Casablanca Casablanca Airport (mohammed 5) 4.5 Rating

Reservations Agency

Review Comments

150 comments



Clients Agency



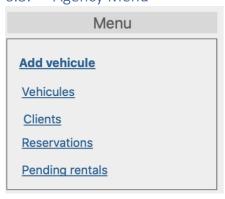
Vehicles Agency



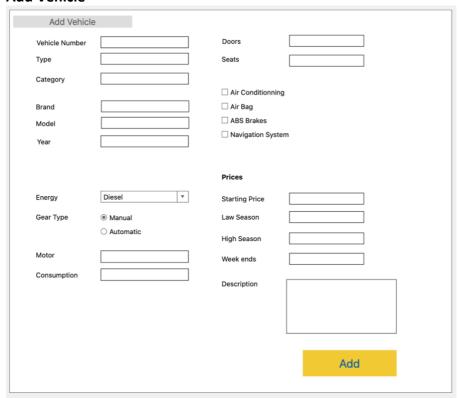
All Clients



6.3. Agency Menu



Add Vehicle



Vehicles



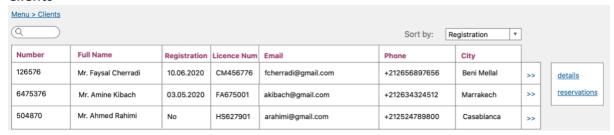
Vehicle Details

/ehicle Details			
Menu > Vehicles > details			
Smart(Smart) Num F	M2098		
,			
Year	2012		Edit
Type/category	small		Delete
Gear type	Manual		Delete
Energy	Diesel		
Motor	Label		
Consumption	Label		
Doors	2		
Seats	2		
Air Conditionning	Yes		
Passenger Airbug	Yes		
ABS Brakes	Yes		
Navigation System	Yes		
Prices	Starting		
	Low	80	
	Hot	150	
	WE	120	

Vehicle Reservations



Clients



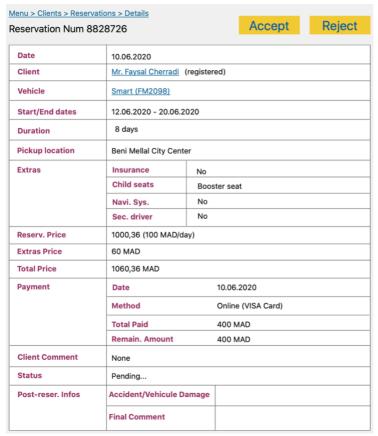
Details

Menu > Clients > details		
Client Num 126576		Reservations
Full Name	Mr. Faysal Cherradi	
Company		
Licence Num./Date	CM456776/03.04.2010 (10 ans)	
Date of Birth	20.05.1980	
Registration/date	10.06.2020	
Email	fcherradi@gmail.com	
Phone	+212656897656	
Address	Elfassi street 21 beni Mellal (Azilal) 40820 Morocco	
Comment		

Client -> Reservations



Client -> reservation -> details



Agency Menu -> Reservations



Agency Menu -> Reservations -> Details

Menu >Reservations > deta	ils	_		
Reservation Num 882	8726		Accept	Reject
Data .				
Date	10.06.2020			
Client	Mr. Faysal Cherradi (registered)			
Vehicle	Smart (FM2098)			
Start/End dates	12.06.2020 - 20.06.2	020		
Duration	8 days			
Pickup location	Beni Mellal City Cente	Beni Mellal City Center		
Extras	Insurance	No		
	Child seats	Booster seat		
	Navi. Sys.	No		
	Sec. driver	No		
Reserv. Price	1000,36 (100 MAD/da	ay)		
Extras Price	60 MAD			
Total Price	1060,36 MAD			
Payment	Date	10.06.2	:020	
	Method	Online	(VISA Card)	
	Total Paid	400 M	AD	
	Remain. Amount	400 M	AD	
Client Comment	None			
Status	Pending			
Post-reser. Infos	Accident/Vehicle Dar	nage		
	Final Comment			

Client Profile

vation date : 05.06.	1020	1	I			I
Smart	Start/End dates	Pickup location	Agency	Total paid	Total price	Status
	12.06.2020	Beni Mellal Train Station	MoroccoRent	400 MAD	1200,36 MAD	Pending
Features	20.06.2020	Train Station	Infos			Cancel
vation date : 05.03.	2019					
Toyota Yaris	Start/End dates	Pickup location	Agency	Total paid	Total price	Status
500	10.03.2019	Beni Mellal	MoroccoRent	2065 MAD	2065 MAD	Confirmed
A	20.03.2019	Train Station	Infos			
Features						
vation date : 20.01.2	2019		I			I
Smart	Start/End dates	Pickup location	Agency	Total paid	Total price	Status
6	01.02.2019	Marrakech	GoRent	1300 MAD	1300 MAD	Confirme
	01.02.2013	Airport				

7. Requirements

- Documentation of the custom code following the Magento standards
- The custom code is not override by the magento update
- Description of the implemented architecture
- Responsive design and SEO
- Credential data must be provided
- User data tracking: the user experience data can be gathered
- Languages : english, french, german.

8. Reporting

- Admin and Agencies needs some report to evaluation the situation:
 - Agency (Filter as timeframe could be used):
 - Number of users saw their cars
 - Number of reservations
 - Overall review
 - Admini of the platform (Filter as timeframe and agency could be used):
 - Number of users saw their cars
 - Number of reservations
 - Overall review

