Software Requirements Specification

Rental Cars

In this web application you can track and record car rental orders, customer base and car base.

You can:

- See all orders
- Update list of orders (add, delete and edit)
- See all clients
- Update list of clients (add, delete and edit)
- See all cars
- Update list of cars (add, delete and edit)
- Filtering by date for orders and clients
- Filtering by rental cost for cars

In the application we have a menu with buttons where we can choose orders, clients or cars

1. Orders

When you select "Orders" you can see Orders list

Orders list Orders Clients Cars									
date from: дд.мм.рррр 🗂 by: дд.мм.рррр 🗂 add									
ID	Car number	Client passport number	Add date	Rental time	Car rental cost	Total cost			
1	BC8742OB	ab2413	2021-11-22	2	80	160	P		
2	BC8771KK	ac5678	2021-11-15	1	70	70			
3	ВС3457НО	ab3421	2021-10-30	3	85	255			
4	BC8734AA	af3553	2021-09-08	2	60	120			
5	BC9812MM	ac4123	2021-10-20	1	75	75			
9									

Orders list consist:

- Id number of order
- Car number unique number of each car
- Client passport number unique client passport number
- Add date date of adding an order
- Rental time amount of days
- Car rental cost cost of one rental day
- Total cost rental time * car rental cost

In this window you can add, delete or edit your order

You can also filter orders by date by setting a range. Then, clicking the refresh button will open a filtered list of orders.

To filter, the start date must be less than the end date. The data will be updated only by clicking on the "refresh" button

Add order

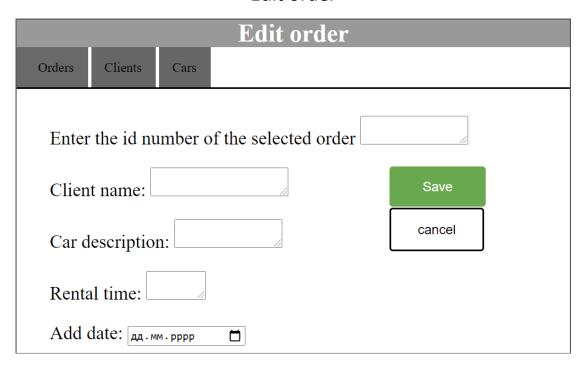
Add order							
Orders Clients Cars							
Passport number:	Save						
Car number:	cancel						
Rental time:		I					
Add date: дд.мм.рррр 🗖							

Clicking on the add button opens a form in which you enter the data displayed on the screen. Clicking on the button to save your data, if they are entered correctly, is added to the order database and you will reopen the entire list of orders. If the data was entered incorrectly, you will receive a message.

If you click the cancel button, no data will be saved and you will return to the order list

- Client name client's first and last name;
- Car description car description;
- Rental time rental time in days, minimal time is one day;
- Add date date of adding a rental order.

Edit order

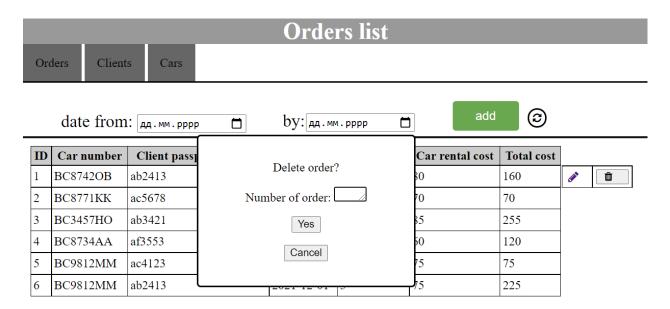


Clicking on the edit button opens the same form as in the add application in which you enter the data displayed on the screen. Clicking on the button to save your data, if they are entered correctly, will be updated in the order database and you will reopen the entire list of orders. If the data was entered incorrectly, you will receive a message.

If you click the cancel button, no data will be saved and you will return to the order list.

- Client name client's first and last name;
- Car description car description;
- Rental time rental time in days, minimal time is one day;
- Add date date of adding a rental order.

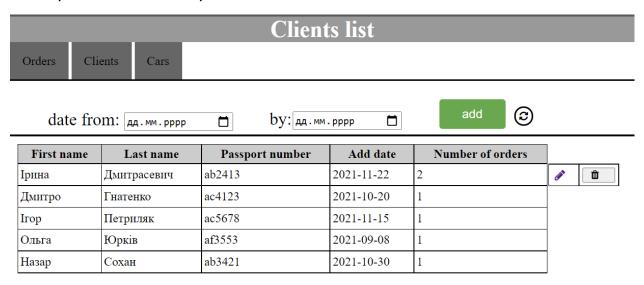
Delete order



Clicking the delete button will open a dialog box whether you really want to delete an order. User must enter a number of order which want to delete. Clicking on the button "yes" selected order will be deleted from the order database. If you select the "cancel" button, you will return to the order list.

2. Clients

When you select "Clients" you can see Clients list



Clients list consist:

- First name first name of each client
- Last name last name of each client
- Passport number unique passport number of client
- Registration date client's date registration
- Number of orders

In this window you can add, delete or edit clients

You can also filter clients by date by setting a range. Then, clicking the refresh button will open a filtered list of clients.

To filter, the start date must be less than the end date. The data will be updated only by clicking on the "refresh" button

Add client

Add client							
Orders	Clients	Cars					
	name:				save		
-	ort numb	er:			cancel		
Add	date: дд.	мм.рррр					

Clicking on the add button opens a form in which you enter the data displayed on the screen. Clicking on the button to save your data, if they are entered correctly, is added to the clients database and you will reopen the entire list of clients. If the data was entered incorrectly, you will receive a message.

If you click the cancel button, no data will be saved and you will return to the client list

- First name client's first name;
- Last name client's last name;
- Passport number unique client's passport number;
- Add date date registration.

Edit client

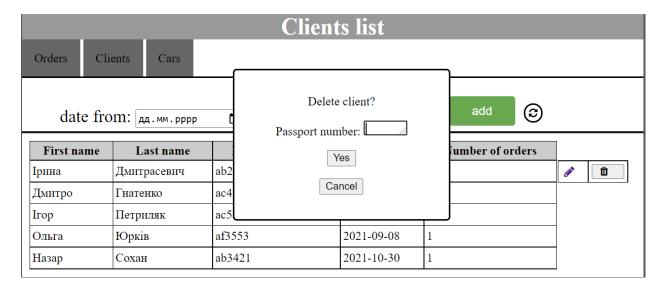
Edit client								
Orders	Clients	Cars						
Enter the passport number of the selected client								
First	name:		//		Save			
Last	name:				cancel			
Passp	oort numb	er:	//					
Add	date: дд.м	м.рррр						

Clicking on the edit button opens the same form as in the add application in which you enter the data displayed on the screen. Clicking on the button to save your data, if they are entered correctly, will be updated in the clients database and you will reopen the entire list of clients. If the data was entered incorrectly, you will receive a message.

If you click the cancel button, no data will be saved and you will return to the client list.

- Enter the passport number of the selected client
- First name client's first name;
- Last name client's last name;
- Passport number unique client's passport number;
- Add date date registration.

Delete client



Clicking the delete button will open a dialog box whether you really want to delete an client. User must enter a passport number of client which want to delete. Clicking on the button "yes" selected client will be deleted from the clients database. If you select the "cancel" button, you will return to the clients list.

3. Cars

When you select "Cars" you can see Cars list

			Cars list				
Orders C	Clients Car	rs					
rental cost from: by:							
Car des	cription	Car number	Rental cost	Number of orders			
Mercedes		BC9812MM	75	2			
Renault		BC8771KK	70	1			
Opel		BC8734AA	60	1			
bmw		ВС3457НО	85	1			
Audi		BC8742OB	80	1			

Cars list consist:

- Car description car brand
- Car number unique car number
- Rental cost rental cost of car per day
- Numbers of orders orders amount of each car

In this window you can add, delete or edit your car.

You can also filter cars by rental cost by setting a range. Then, clicking the refresh button will open a filtered list of cars.

To filter, the start cost must be less than the end cost. The data will be updated only by clicking on the "refresh" button.

Add car

Add car							
Orders	Clients	Cars					
Can description							
Car description: Car number:					save		
Renta	al cost:	//			cancel		

Clicking on the add button opens a form in which you enter the data displayed on the screen. Clicking on the button to save your data, if they are entered correctly, is added to the clars database and you will reopen the entire list of cars. If the data was entered incorrectly, you will receive a message.

If you click the cancel button, no data will be saved and you will return to the cars list

- Car description car's brand;
- Car number unique car's number;
- Rental cost rental cost of car per day.

Edit car

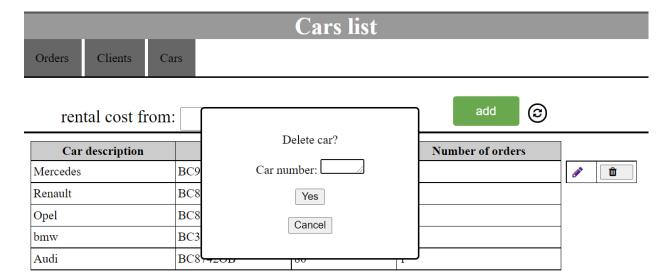
Edit car							
Orders	Clients	Cars					
Enter	Enter the car number of the selected car						
Car d	escription	n:	//		Save		
Car n	umber:				cancel		
Renta	al cost:						

Clicking on the edit button opens the same form as in the add application in which you enter the data displayed on the screen. Clicking on the button to save your data, if they are entered correctly, will be updated in the cars database and you will reopen the entire list of cars. If the data was entered incorrectly, you will receive a message.

If you click the cancel button, no data will be saved and you will return to the cars list.

- Enter the car number of the selected car
- Car description car's brand;
- Car number unique car's number;
- Rental cost rental cost of car per day.

Delete car



Clicking the delete button will open a dialog box whether you really want to delete a car. User must enter the car number which want to delete. Clicking on the button "yes" selected car will be deleted from the cars database. If you select the "cancel" button, you will return to the cars list.