

Introduction to Database Systems: Tutorial

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Welcome to the Westside Auto vehicle database system.
Here is the home page(the first page you will see):

The screenshot shows the Westside Autos home page. At the top, there is a grey header bar with the text "Westside Autos" and a subtitle "Welcome to your all-in-one solution for purchasing and sales." Below the header, the main content area is white and contains a grid of seven buttons. The buttons are arranged in two columns: the left column has four buttons and the right column has three buttons. The buttons are labeled as follows: "Sell a Vehicle", "Add a Vehicle to the Inventory", "Add a New Customer", "Add a New Employee", "Lookup Vehicles", "Lookup Customers", and "Lookup Sales".

Westside Autos	
Welcome to your all-in-one solution for purchasing and sales.	
Sell a Vehicle	
Add a Vehicle to the Inventory	Lookup Vehicles
Add a New Customer	Lookup Customers
Add a New Employee	Lookup Sales

You can see that each section is labeled for usability. Since most of the add/lookup sections are very similar we will only show how to use one example of each. (Note: from any page you may click on the "Westside Auto" header to come back to the home page)

To add a vehicle to the inventory click on “Add a Vehicle to the Inventory” button and you will be brought to this page:



Add a new vehicle

Date (YYYY-MM-DD)

Location

Seller/Dealer


Auction

Make <input type="text" value="Enter make of the vehicle"/>	Model <input type="text" value="Enter model of the vehicle"/>	Year <input type="text" value="Enter year of the vehicle"/>
Colour <input type="text" value="Enter Colour"/>	Kilometers <input type="text" value="Enter mileage"/>	Condition <input type="text" value="Enter condition"/>
Interior Colour <input type="text" value="Enter Interior Colour"/>	Style <input type="text" value="Style"/>	Trim <input type="text" value="Enter trim"/>
Book Price <input type="text" value="Enter the book price"/>	Purchased Price <input type="text" value="Enter the purchased price"/>	
Vehicle VIN <input type="text" value="Enter the VIN number"/>		

Fill in all the fields for the vehicle, you can also add any predicted repairs the vehicle may need including estimated cost.

Clicking on “Lookup a vehicle” will bring you to this page (Note: “Lookup Customer” and “Lookup Sale” look similar):

Westside Autos



Lookup Vehicles

Make

Enter make of the vehicle

Model

Enter model of the vehicle

Year

Enter year of the vehicle

☒ Vehicles on lot

☐ Vehicles sold

☐ With warranty


Search

Reset

*leave fields blank for all vehicle

When you enter the desired vehicle fields and click search you will be brought to a page similar to this (Note: leaving any or all fields blank will return values with no restrictions on these values):

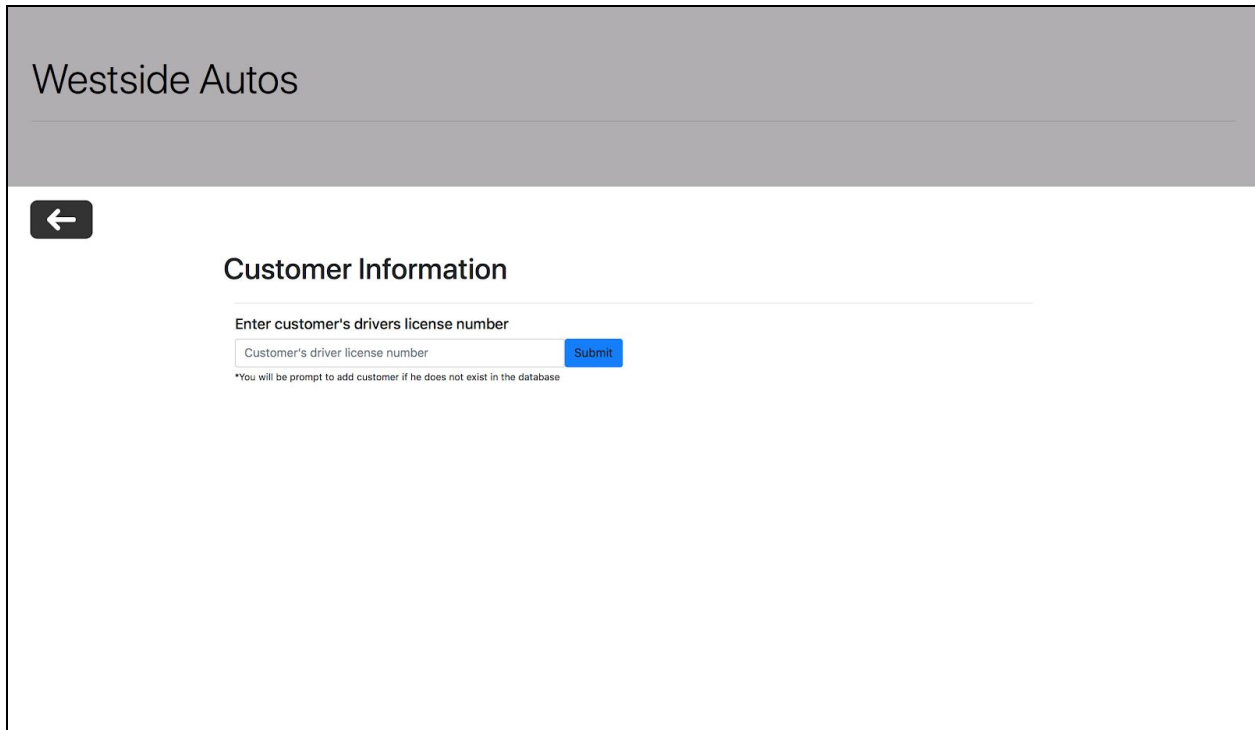
Westside Autos



Lookup Vehicles

Make: BMW KM's: 12000	Model: M3 Style: Coupe	Year: 2006 Interior: Black	Trim: SS Price: \$0	Colour: White VIN: 109283FD31SC	Condition: Excellent
Make: Subaru KM's: 120000	Model: WRX Style: Coupe	Year: 2006 Interior: Black	Trim: STI Price: \$24000	Colour: Blue VIN: 123124342324	Condition: Good
Make: Audi KM's: 1200	Model: RS5 Style: Coupe	Year: 2018 Interior: Black	Trim: R Price: \$90000	Colour: Gun Metal VIN: 124VNJDM34MXS32	Condition: Excellent
Make: Porsche KM's: 10	Model: Carrera 911 Style: Coupe	Year: 2018 Interior: Black	Trim: S4 Price: \$174000	Colour: Black VIN: 234HJN87NH7H21	Condition: Excellent
Make: Cadillac KM's: 320000	Model: Escalade Style: SUV	Year: 2003 Interior: Beige	Trim: XT Price: \$1200	Colour: Gold VIN: 23FDC3123VD3D4	Condition: Poor
Make: Hyundai KM's: 100912	Model: Elantra Style: Sedan	Year: 2012 Interior: Black	Trim: None Price: \$9800	Colour: Red VIN: 85FG3W6Y89CA9023B	Condition: Great

Selling a vehicle has a few more steps, we will go through them here. Clicking on “Sell a Vehicle” will bring you to this page:




The screenshot shows a web interface for 'Westside Autos'. At the top is a grey header with the company name. Below the header is a white content area. On the left side of the content area is a dark button with a white left-pointing arrow. To the right of the arrow is the title 'Customer Information'. Below the title is a form with the label 'Enter customer's drivers license number'. The form contains a text input field with the placeholder text 'Customer's driver license number' and a blue 'Submit' button. Below the input field is a small asterisked note: '*You will be prompt to add customer if he does not exist in the database'.

This first step of selling a vehicle requires the employee to enter the customer’s driver’s license number. If the customer is not in the database it will redirect the employee to the “Add a new Customer” page, once the customer has been added it will move on to step 2. If the customer was already in the database it directly goes to step 2.

The next page for step 2:

Westside Autos



Vehicle information


Vehicle Identification Number

Price: \$0 Trim: SS	VIN: 109283FD31SC Year: 2006	Make: BMW Colour: White	Model: M3
Price: \$24000 Trim: STI	VIN: 123124342324 Year: 2006	Make: Subaru Colour: Blue	Model: WRX
Price: \$90000 Trim: R	VIN: 124VNVJDM34MXS32 Year: 2018	Make: Audi Colour: Gun Metal	Model: RS5
Price: \$174000 Trim: S4	VIN: 234HJN87NH7H21 Year: 2018	Make: Porsche Colour: Black	Model: Carrera 911
Price: \$1200 Trim: XT	VIN: 23FDC3123VD3D4 Year: 2003	Make: Cadillac Colour: Gold	Model: Escalade
Price: \$9800 Trim: None	VIN: 85FG3W6Y89CA9023B Year: 2012	Make: Hyundai Colour: Red	Model: Elantra

The employee is now required to enter which vehicle is being sold, it requires the vehicle's VIN.
For ease of use the full list of vehicles on the lot is shown below.

The next page for step 3:

Westside Autos



Vehicle Sale

Customer name: Carley Herbert

Vehicle Information: 2018 Audi RS5

Date (YYYY-MM-DD)

Warranty?

Warranty Name

☐ WestSide Auto Exterior ☐ Gold Package ☐ Vehicle Theft

Cost of Vehicle Down Payment Finance Amount (5%)

Employee id Sale commission

This page requires the employee to complete the transaction by filling out the remaining fields including their own employee id.