

CS425 Project Report

Roles:

Application Implementation: Nick Wanninger

Database Design: Weicong Hong

ER Diagram Creation: Trevor Pritchett

Implementation:

We wrote the app using NodeJS and react. The frontend is able to call to the server to make queries as needed. There are two kinds of accounts, both of which you can log into and register as

Login

Account Type:

☒ customer

☐ dealer

Login

Register

Account Type:

☒ customer

☐ dealer

Register

Once logged in as a dealer, you can add cars to your lot, with a maximum number of parking spaces. You can also see all your previous sales to customers

Dealer: Grossinger Inc

Inventories

amount	brand_name	model_name	body_style	color	engine	transmission	actions
10	Buick	Suburban	4-door	Black	3.2L	Automatic	Buy More
8	Lexus	Enclave	4-door	Black	3.2L	Automatic	Buy More
11	Lexus	Enclave	4-door	Black	3.2L	Automatic	Buy More
8	Chevrolet	Camaro	2-door	Black	3.2L	Automatic	Buy More
10	Buick	Suburban	4-door	Black	3.2L	Automatic	Buy More
9	Toyota	Cascada	2-door	White	2.4L	Manual	Buy More
6	Lexus	Enclave	4-door	White	2.4L	Manual	Buy More

Sold

vin	customer_name	brand_name	model_name	body_style	color	engine	transmission
2	Noah Jones	Buick	Suburban	4-door	Black	3.2L	Automatic
SUJUSL87VNBLCVZ3	Test	Buick	Suburban	4-door	Black	3.2L	Automatic
XXB7B1RF5ESLYQO	Test	Lexus	Enclave	4-door	Black	3.2L	Automatic
QOZGYHKN3BPHOR	Test	Lexus	Enclave	4-door	Black	3.2L	Automatic
Z14PC6F4WYQLYKQ43	Test	Lexus	Enclave	4-door	Black	3.2L	Automatic
E2JHK82HQACWCNR	Test	Lexus	Enclave	4-door	Black	3.2L	Automatic
NB3PNEHLHQVBYCP	Test	Buick	Suburban	4-door	Black	3.2L	Automatic
T6M21ALBQ4YIELM	Test	Chevrolet	Camaro	2-door	Black	3.2L	Automatic
2084AJ07PNJE8BK4	Test	Chevrolet	Camaro	2-door	Black	3.2L	Automatic
XKMBYPP7J5WWRBYQE	Test	Chevrolet	Camaro	2-door	Black	3.2L	Automatic
PHRYLSB8AP5ATPX	Test	Chevrolet	Camaro	2-door	Black	3.2L	Automatic
PM3Z7H3GE8LXUQK	Test	Chevrolet	Camaro	2-door	Black	3.2L	Automatic
LOEOCH9P00OWZE2FC	Test	Buick	Suburban	4-door	Black	3.2L	Automatic
CSCKF1KW8GZLZKJL	Test	Chevrolet	Camaro	2-door	Black	3.2L	Automatic
7GLAYUS8FOEEDAEOC	Nick Wanninger	Chevrolet	Camaro	2-door	Black	3.2L	Automatic

Buy More Cars for your lot

Parking Spaces left: 38

Brand/ModelOptions10

Edit Account

Grossinger Inc

1561

Fremont

apt_number

Chicago

IL

60642

312-582-1331

100

dealer@test.com

Save Changes

Once logged into a customer account, you can see all the cars you own and buy new cars from dealers who have them on their lots

Customer: Nick Wanninger

Your vehicles

vin	brand_name	model_name	body_style	color	engine	transmission
7GLAYUS8FOEEDAEOC	Chevrolet	Camaro	2-door	Black	3.2L	Automatic
LC4371EXOBUR0YCBT	Buick	Suburban	4-door	White	2.4L	Manual
8L68B8MGEZYMPF8Y	Buick	Suburban	4-door	White	2.4L	Manual
TCU6SHKGQBF10YCVR	Buick	Suburban	4-door	White	2.4L	Manual
YT6JOC39VNMATULHK	Buick	Suburban	4-door	White	2.4L	Manual

Purchase a vehicle

amount	dealer_name	brand_name	model_name	body_style	color	engine	transmission	actions
10	Trevor Pritchett	Chevrolet	Camaro	2-door	Red	100L	Automatic	Purchase
8	Grossinger Inc	Chevrolet	Camaro	2-door	Black	3.2L	Automatic	Purchase
20	Trevor Pritchett	Buick	Suburban	4-door	Black	3.2L	Automatic	Purchase
10	Grossinger Inc	Buick	Suburban	4-door	Black	3.2L	Automatic	Purchase
10	Grossinger Inc	Buick	Suburban	4-door	Black	3.2L	Automatic	Purchase
96	Trevor Pritchett	Buick	Suburban	4-door	White	2.4L	Manual	Purchase
9	Grossinger Inc	Toyota	Cascada	2-door	White	2.4L	Manual	Purchase
11	Grossinger Inc	Lexus	Enclave	4-door	Black	3.2L	Automatic	Purchase
8	Grossinger Inc	Lexus	Enclave	4-door	Black	3.2L	Automatic	Purchase
6	Grossinger Inc	Lexus	Enclave	4-door	White	2.4L	Manual	Purchase

Edit Account

Nick Wanninger

street_number

Main Street

100

Chicago

IL

60616

999-888-7777

annual_income

nickwanninger@gmail.com

Save Changes

Both accounts allow you to edit your account features and data.