

# *Herbie's Auto Shop*



Bailey, Louis,  
Karissa, & Reese



# From humble beginnings...

Ruby on Rails Web application for “Herbie’s Auto Shop”

To be used by store employees, managed by owners

Stores information on customers and their cars and the work that is being done on their cars

Invoices can be created to display a report

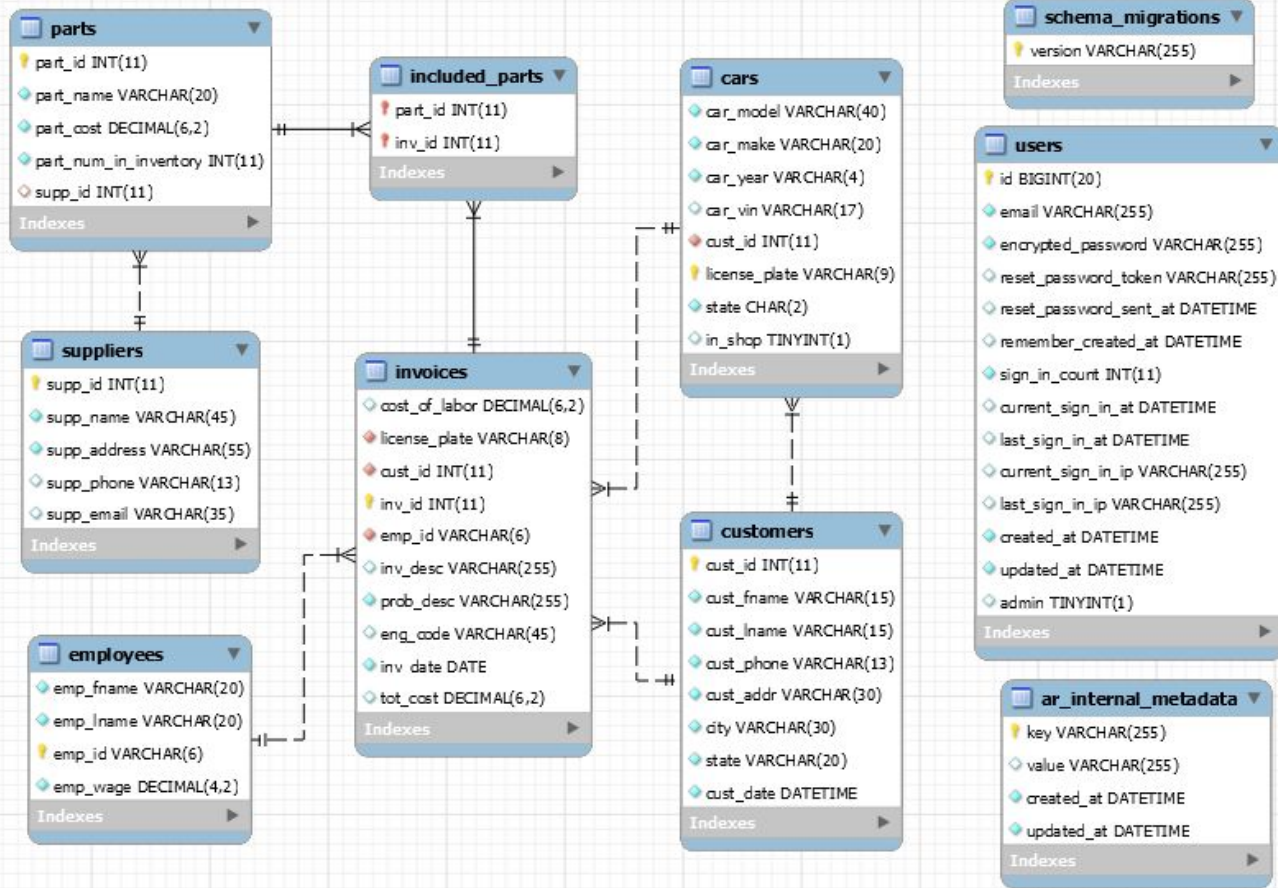
Employees can modify database but only the owner will be able to delete records and view/edit employees



# Technologies Used

- We used Ruby on Rails with MySQL including adding extra gems to help it run more smoothly
- We also used Bootstrap & CSS for styling
- Major Gems: `schema_to_scaffold` and `devise`

# Database Structure



# Styling With Bootstrap



Herbie's Auto Shop

Logged in as karissa.schick@sbcglobal.net

[Home](#)

[Edit profile](#)

[Log Out](#)

## Navigation

[Customers](#) 

[Cars](#) 

[Invoices](#) 

[Parts](#) 

[Suppliers](#) 

## Customers

ID	First Name	Last Name	Phone Number	Address	Date			
1	John	Smith	362-124-8888	174 Foxtail Drive	2017-10-30 00:00:00 UTC	<a href="#">Edit</a>	<a href="#">New Car</a>	<a href="#">Show Cars</a>
2	Kari	Smith	630-335-2455	746 Johnny Drive	2017-11-02 00:00:00 UTC	<a href="#">Edit</a>	<a href="#">New Car</a>	<a href="#">Show Cars</a>
4	Jake	Jennings	630-677-4354	1765 Drury Lane	2017-11-03 00:00:00 UTC	<a href="#">Edit</a>	<a href="#">New Car</a>	<a href="#">Show Cars</a>

[New Customer](#)

# Creating Customers & Cars

## New Customer

Customer ID

First Name

Last Name

Phone Number

Address

Date Registered

Submit

Back

## New Car

VIN

Make

Model

Year

Customer ID

License Plate

License State

Submit

Back



# Viewing Cars

## Cars

VIN	Make	Model	Year	Customer ID	License Plate	License State	
DJFIV864JF	Acura	RSX	2004	1	11111	IL	<a href="#">Edit</a>
12345678910	Hyundai	Sonata	2015	5	170 3RG	IL	<a href="#">Edit</a>
45NH9N3R4T	Bugatti	Chiron	2017	1	2FAST4U	IL	<a href="#">Edit</a>
FGV4598C48C	Honda	Accord	1999	2	3DD3F	IL	<a href="#">Edit</a>
894C3943NV	Lamborghini	Gallardo	2008	3	3RFG40	IL	<a href="#">Edit</a>
SDF464VRW6969	Ferrari	F12berlinetta	2017	2	H1Q0RA	IL	<a href="#">Edit</a>

[New Car](#)

# Suppliers & Parts

## Suppliers

Name	Address	Phone	Email		
Auto Parts Galore	111 Auto Lane	630-535-1119	supplies@autopartsgalore.com	<a href="#">Edit</a>	<a href="#">Destroy</a>
Auto Heaven	52 Brakher Ave	708-453-5683	order@autoheaven.com	<a href="#">Edit</a>	<a href="#">Destroy</a>
O'Malley Auto Parts	532 Washington Lane	342-563-5432	parts@omalleyautoparts.com	<a href="#">Edit</a>	<a href="#">Destroy</a>
AutoParts Zone	453 S. Route 59	212-642-7890	supply@autopartszone.com	<a href="#">Edit</a>	<a href="#">Destroy</a>
Waterpebble Complete Auto Care	9482 127th Street	630-513-5992	lol@waterpebble.com	<a href="#">Edit</a>	<a href="#">Destroy</a>

[New Supplier](#)

## Parts

Part ID	Name	Cost	Number in inventory	Supplier		
1	spark plug	15.99	10	1	<a href="#">Edit</a>	<a href="#">Destroy</a>
2	brake pads	95.99	10	2	<a href="#">Edit</a>	<a href="#">Destroy</a>
3	air filter	5.99	10	1	<a href="#">Edit</a>	<a href="#">Destroy</a>
4	generic hose	222.0	9	4	<a href="#">Edit</a>	<a href="#">Destroy</a>
5	exhaust pipe	575.0	10	3	<a href="#">Edit</a>	<a href="#">Destroy</a>

[New Part](#)



# Viewing and Creating Invoices

## New Invoice

Cost Of Labor

License Plate

Customer ID

Employee ID

Work Done

Problem Description

Engine Code

Invoice Date

Total Cost

Submit

Back

## Invoices

Cost of labor	License Plate	Customer ID	Employee ID	Work Done	Description of Problem	Engine code	Invoice date	Total cost	
50.0	H1Q0RA	2	2	Put in new spark plug	Engine misfiring	N/A	2017-11-28		<a href="#">Edit</a>
225.0	3RFG40	3	4	Replaced Brakes	Grinding noise when braking	N/A	2017-11-29		<a href="#">Edit</a>
60.0	11111	1	1	Replaced hose	Leaky hose	N/A	2017-11-27		<a href="#">Edit</a>
40.0	170 3RG	5	5	Put in new air filter after oil change	None	N/A	2017-11-29		<a href="#">Edit</a>
537.0	H1Q0RA	2	2	Replaced exhaust pipe	Massive hole in exhaust pipe	N/A	2017-12-03		<a href="#">Edit</a>

New Invoice

# Adding Employee Information

## New Employee

ID#

Employee First Name

Last Name

Wage

Submit

[Back](#)

## Employees

ID	First Name	Last Name	Hourly Wage		
1	Jay	Doe	23.0	<a href="#">Edit</a>	<a href="#">Destroy</a>
2	Khal	Drogo	44.0	<a href="#">Edit</a>	<a href="#">Destroy</a>
3	Lindsey	Cukachoo	13.0	<a href="#">Edit</a>	<a href="#">Destroy</a>
4	Herc	Ules	22.0	<a href="#">Edit</a>	<a href="#">Destroy</a>
5	John	Watson	18.0	<a href="#">Edit</a>	<a href="#">Destroy</a>

[New Employee](#)

[Home](#)



# Creating Users with Devise

Devise gem allows user creation - took a lot of research!

On our app only Admins can view employees and delete records



# Creating Users with Devise

Logged in as rmodloff01@aurora.edu - Admin

[Home](#)

[Edit profile](#)

[Log Out](#)

## Herbie's Auto Shop

[Home](#)

[Sign up](#)

[Login](#)

### Sign up

Email

Password (6 characters minimum)

Password confirmation

Sign up

[Log in](#)

### Herbie's Auto Shop

### Log in

Email

Password

☐ Remember me

Log In

[Sign up](#)

[Forgot your password?](#)

# Printable Invoices

Herbie's Auto Shop

Logged in as karissa.schick@sbcglobal.net - Admin

Home

Edit profile

Log Out

Navigation

Customers

Cars

Invoices

Parts

Suppliers

Employees

Invoice #2

Customer Information

**Dillon Odinson:**  
65 Drury Lane  
Plainfield  
IL  
**630-123-4567**

Car Information

**Make/Model:** Lamborghini Gallardo  
**Year:** 2008  
**License Plate:** 3RFG40  
**Color:** Blue

Summary:

**Issue:** Grinding noise when braking  
**Engine Code:** N/A  
**Work Done:** Replaced Brakes

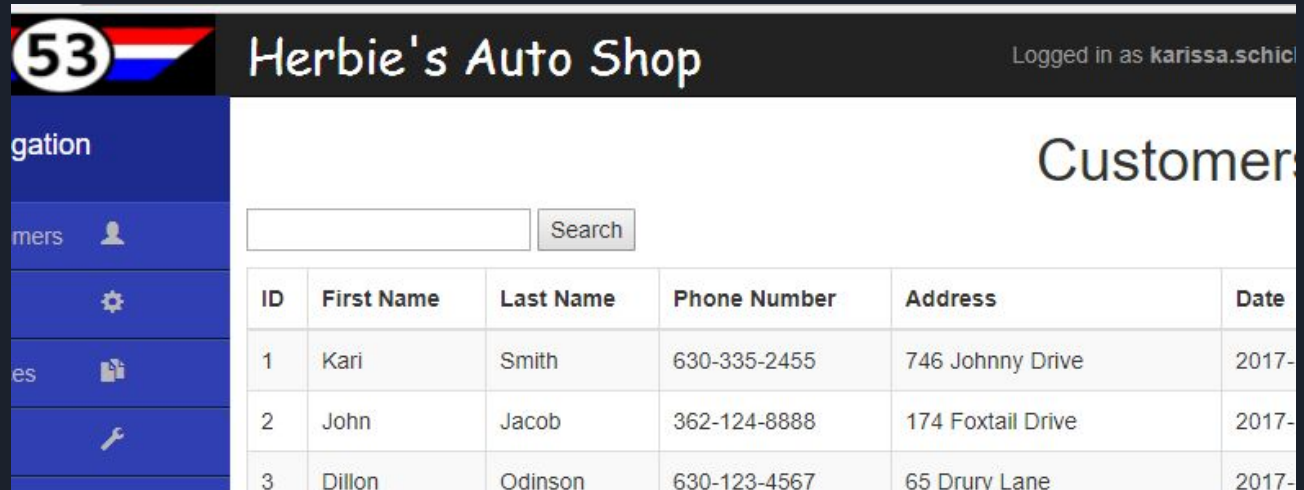
Costs:

Part Name	Part Price
brake pads	\$95.99
air filter	\$5.99
generic hose	\$222.00
<hr/>	
<b>Parts Total</b>	\$323.98
<b>Labor</b>	\$225.00
<b>Total</b>	\$548.98

# Searching Feature

Able to search customers by phone number

Search is simple, all it does is reload table with new parameters.



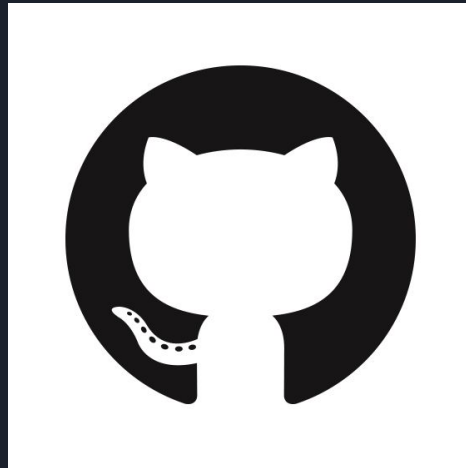
The screenshot displays the Herbie's Auto Shop web application. The header includes a logo with the number 53 and the text "Herbie's Auto Shop". The user is logged in as "karissa.schick". The left sidebar contains navigation links: "Administration", "Customers", "Settings", "Reports", and "Tools". The main content area is titled "Customers" and features a search bar with a "Search" button. Below the search bar is a table with the following data:


ID	First Name	Last Name	Phone Number	Address	Date
1	Kari	Smith	630-335-2455	746 Johnny Drive	2017-
2	John	Jacob	362-124-8888	174 Foxtail Drive	2017-
3	Dillon	Odinson	630-123-4567	65 Drury Lane	2017-



# Version Control

We used Github to collaborate on our project and stay up to date with the latest version





# Problems Encountered Along the Way

- Tried to implement rails admin - didn't work for our specific needs
- Complications with user authentication - never figured out how to add users while logged in
- Ran into some roadblocks while trying to add parts to an invoice while editing it





# Demo



# What We Learned

It's best to get your DB design down before beginning development

Ruby on Rails has its issues

Keeping it simple is the way to go, but extensibility is important

Research is very important!



# What could be added in the future

- Searching by part name
- Total cost automatically derived in database
- Only create new users from admin account
- Have an option to only list cars in the shop
- Checkout button to remove car from list in shop



Any Questions?