Herbie's Auto Shop

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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

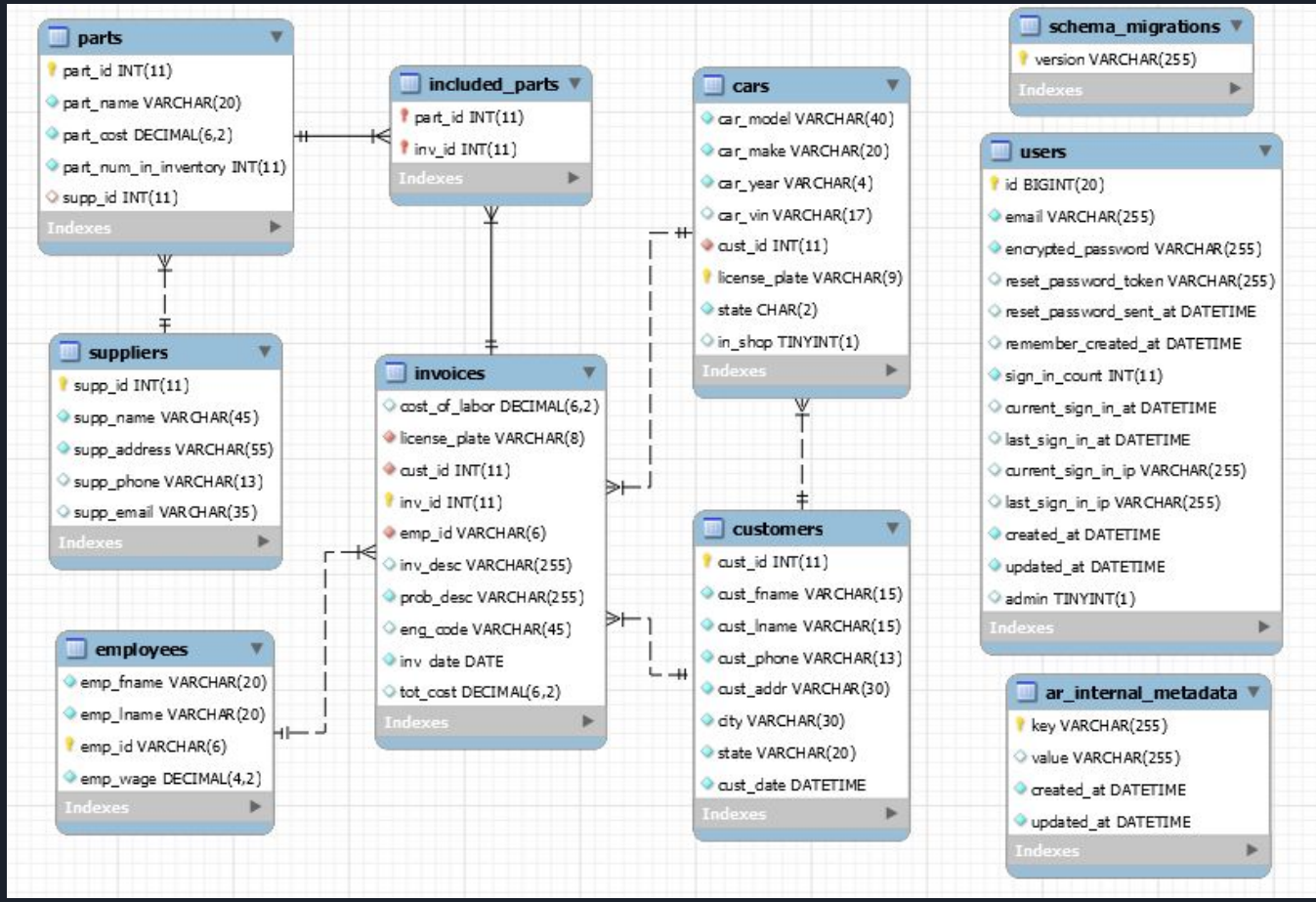
Invoices can be created to display a report

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

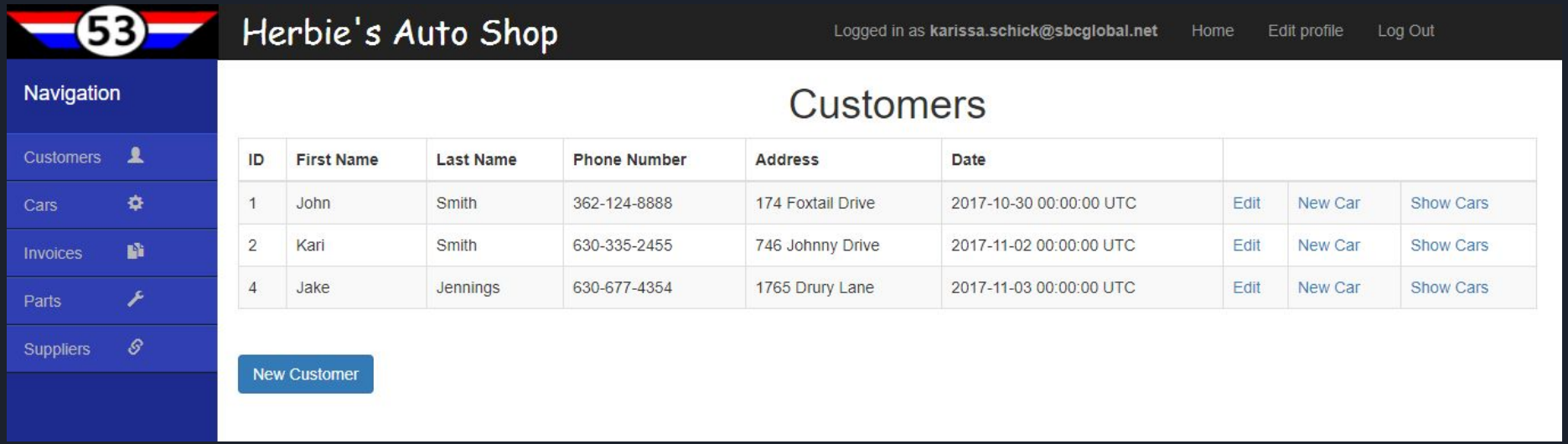
Technologies Used

- 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

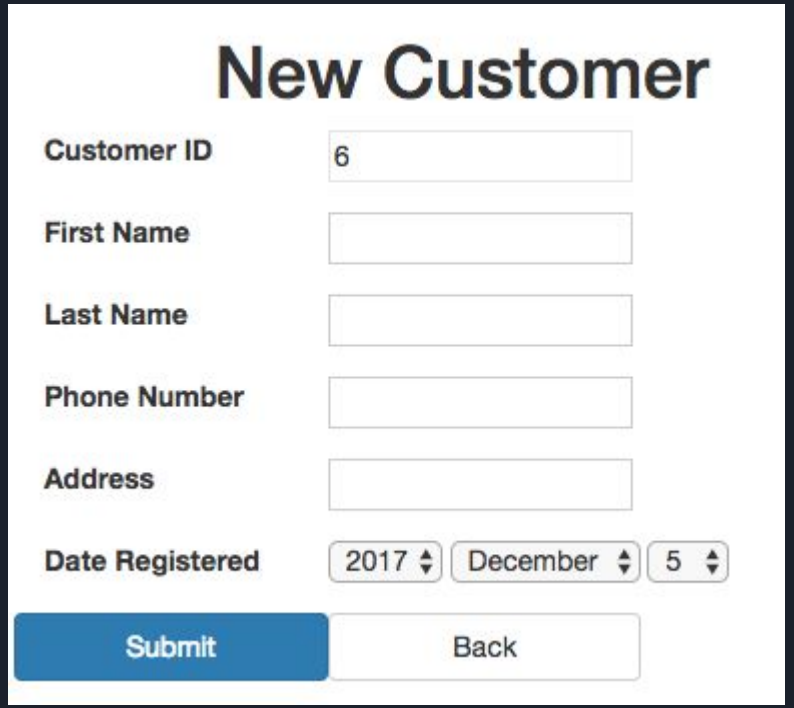
Database Structure

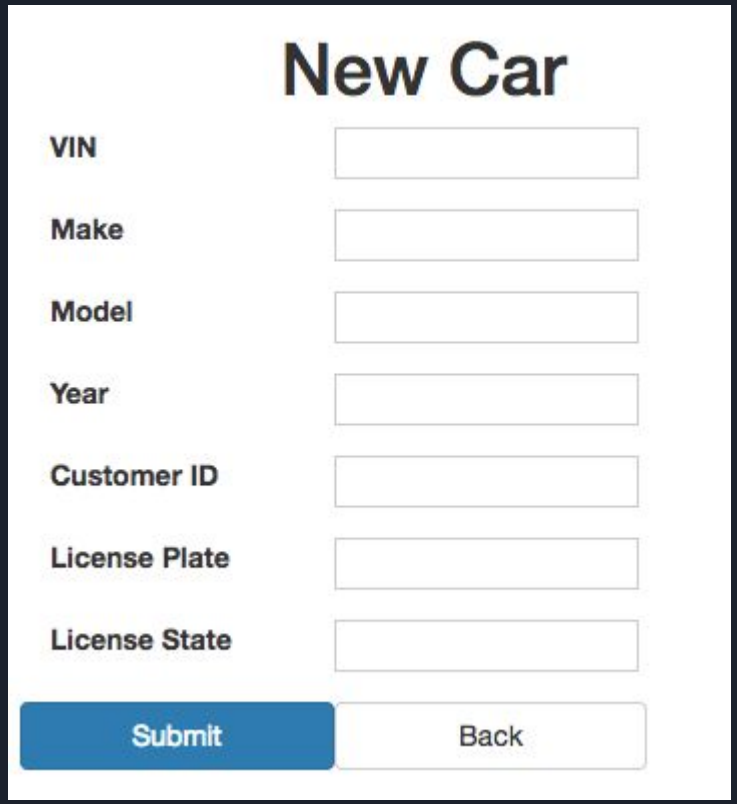


Styling With Bootstrap



Creating Customers & Cars





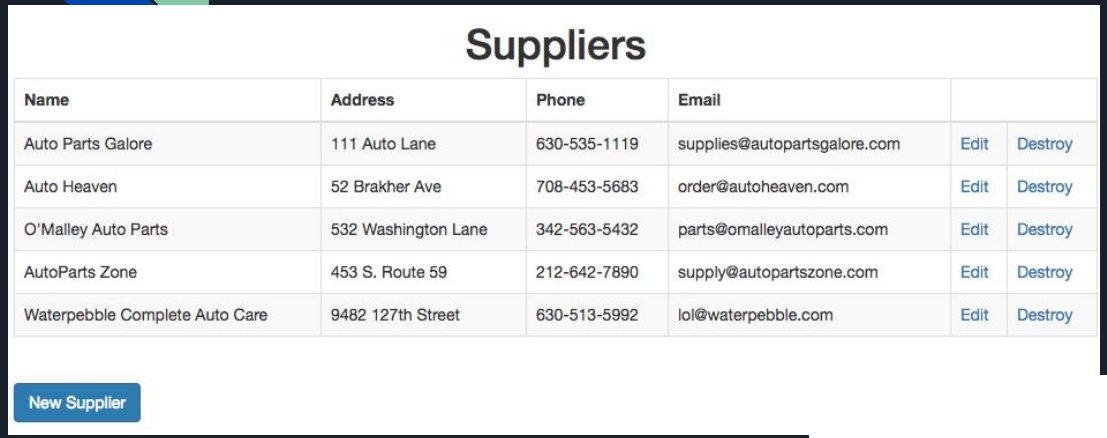
Viewing Cars

Cars

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

New Car

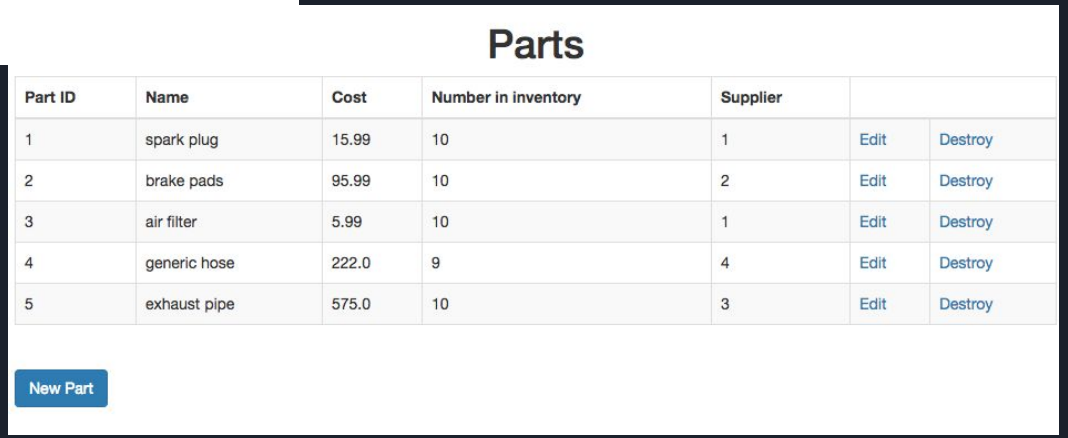
Suppliers & Parts



Suppliers

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

New Supplier

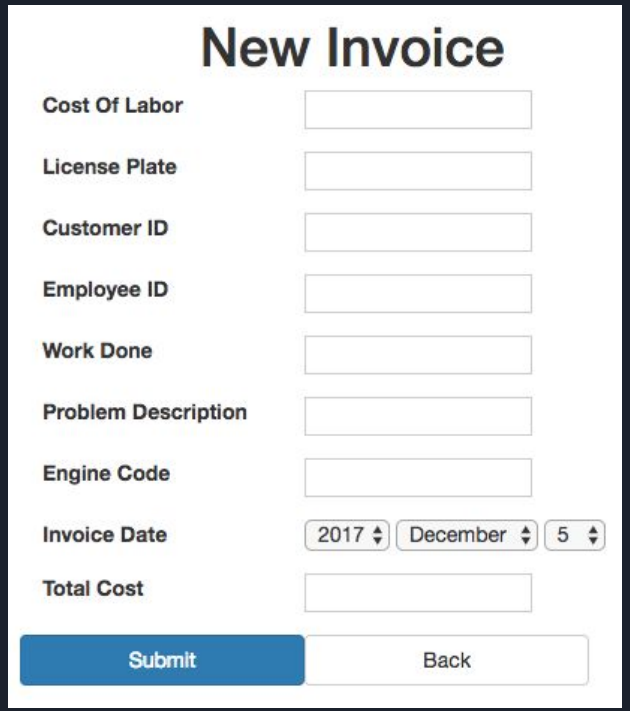


Parts

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

New Part

Viewing and Creating Invoices

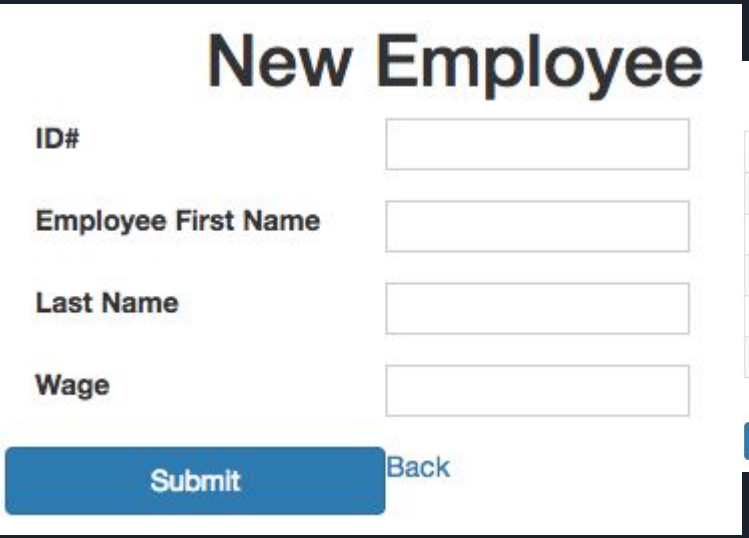


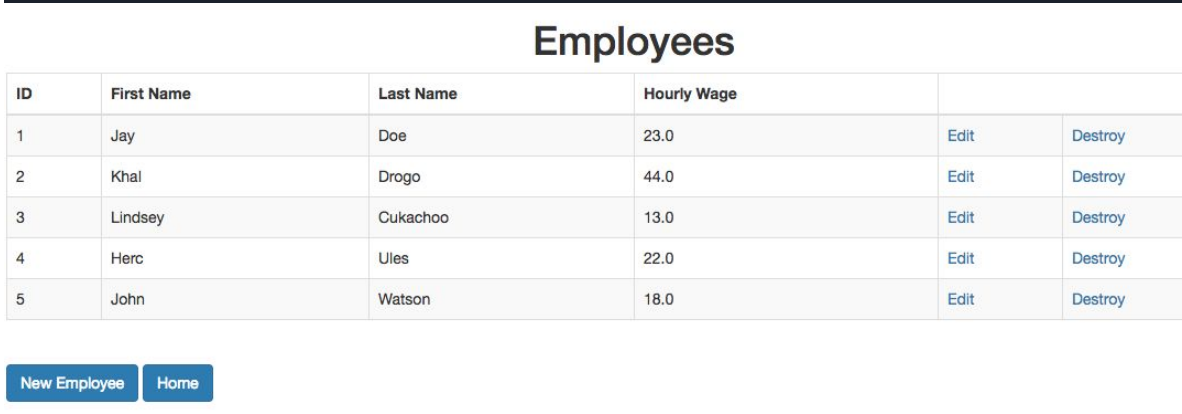
Invoices

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		Edit
225.0	3RFG40	3	4	Replaced Brakes	Grinding noise when braking	N/A	2017-11-29		Edit
60.0	11111	1	1	Replaced hose	Leaky hose	N/A	2017-11-27		Edit
40.0	170 3RG	5	5	Put in new air filter after oil change	None	N/A	2017-11-29		Edit
537.0	H1Q0RA	2	2	Replaced exhaust pipe	Massive hole in exhaust pipe	N/A	2017-12-03		Edit

New Invoice

Adding Employee Information



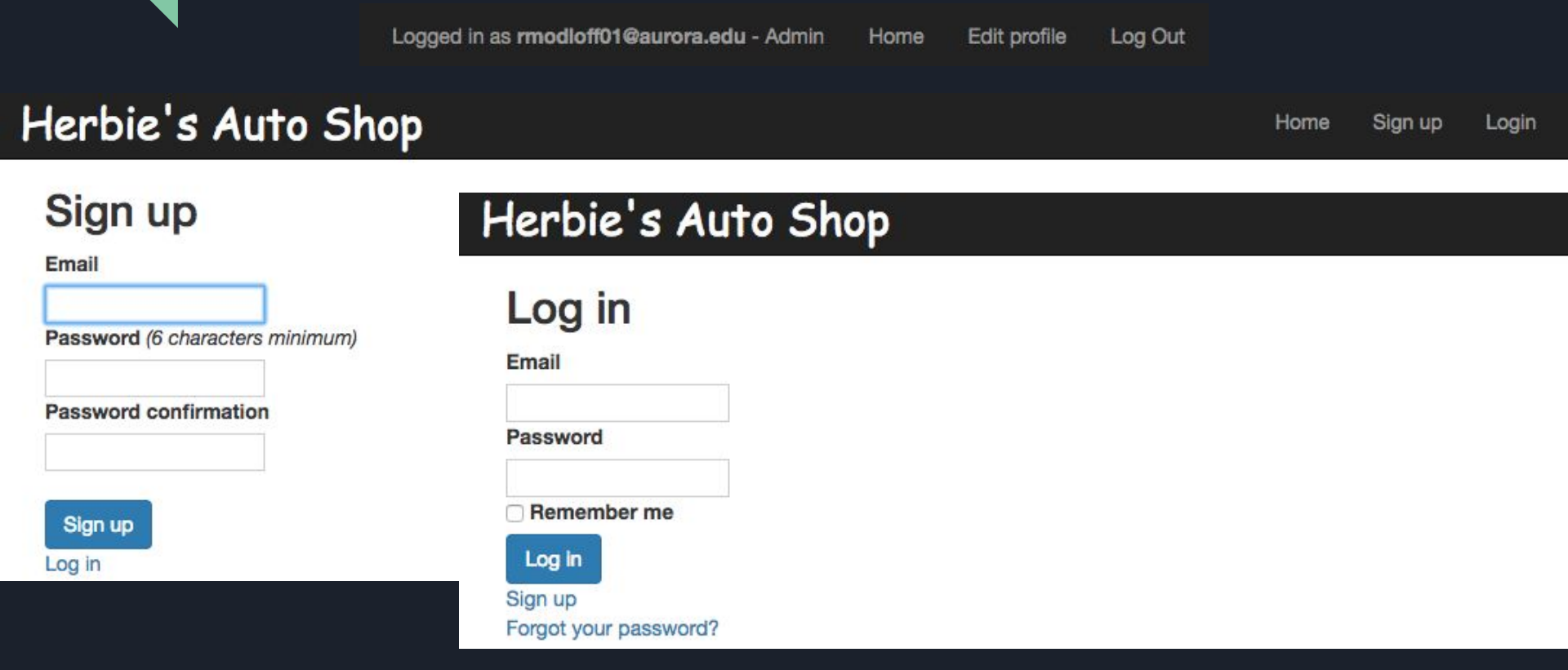


Creating Users with Devise

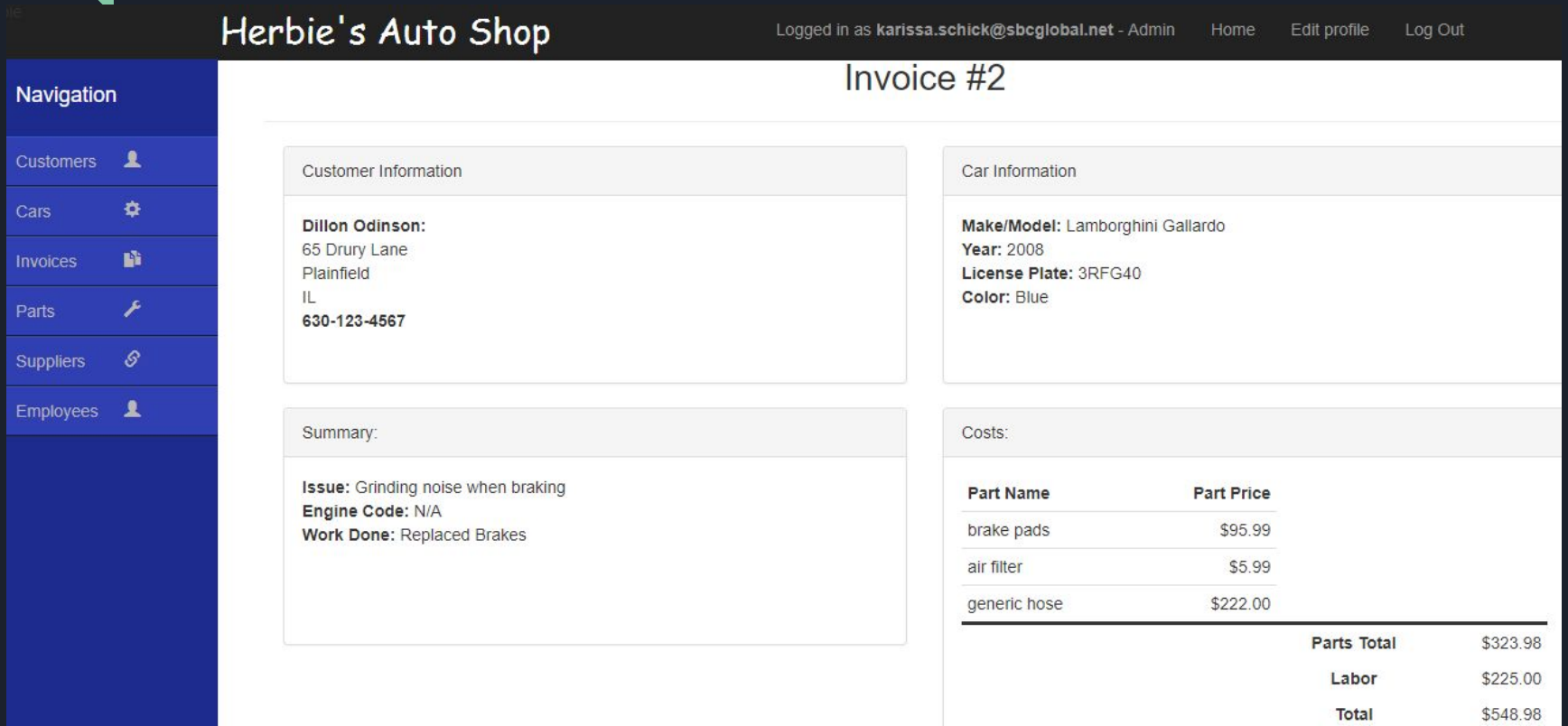
Devise gem allows user creation - took a lot of research!

On our app only Admins can view employees and delete records

Creating Users with Devise



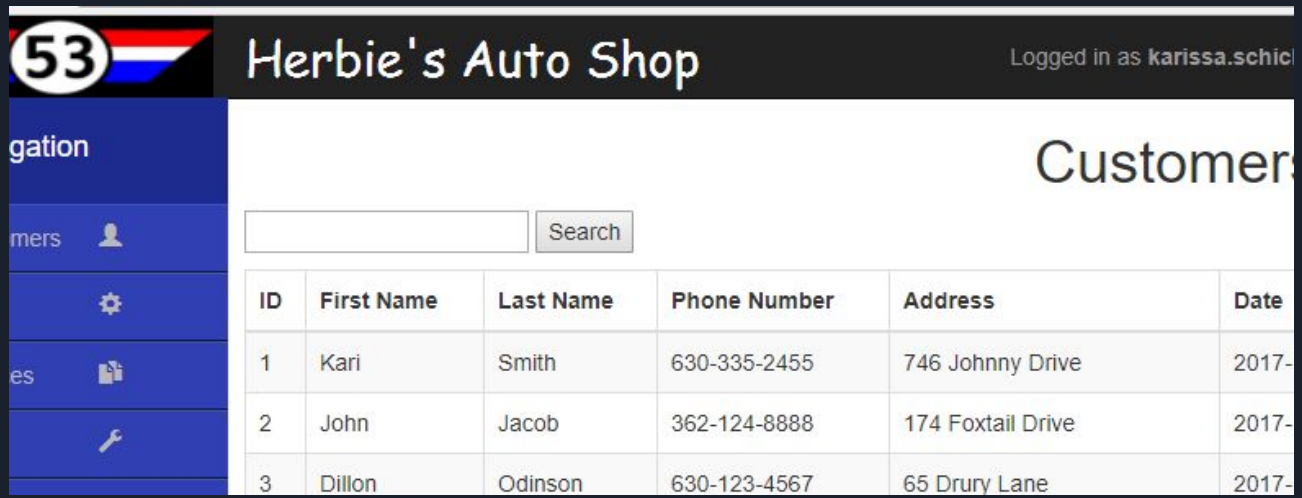
Printable Invoices



Searching Feature

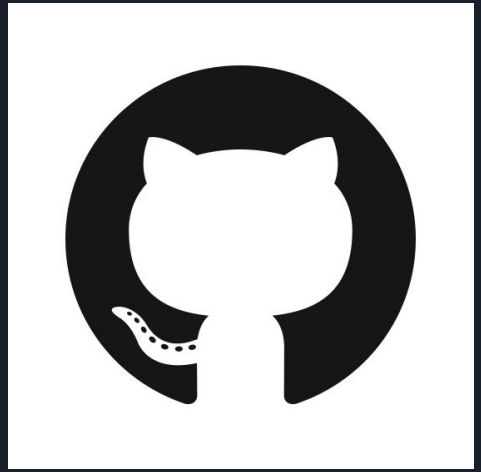
Able to search customers by phone number

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



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?