Auto Shop

(awesome title work in progress)

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Project Description

We will be creating a Ruby on Rails web application for a mechanic, which will be linked to a database.

The database will contain everything that a mechanic would need to track what work he's done in his garage.

This will include The VIN, The Make, Model, and Year, The mileage upon arrival of the car, The OBD code/issue that needs to be fixed, the amount of hours in labor, the amount of cost in parts, and the total cost factoring in the labor and parts cost. It will also store information about the customer, so a contact number, home address, and name.

If the mechanic has multiple shops or if it's a chain, he can also include a location, and who entered the information.

Application Functions

Users (mechanics) will be able to log in and they will see the current cars that are being worked on or need to be worked on.

They can add customers who come in needing work done on their cars and this info can be updated if, for example, additional work is needed to be done.

More to come...

Uses

Easily allow a mechanic to find a car that he’s worked on, and see exactly what has been done and who did the work.

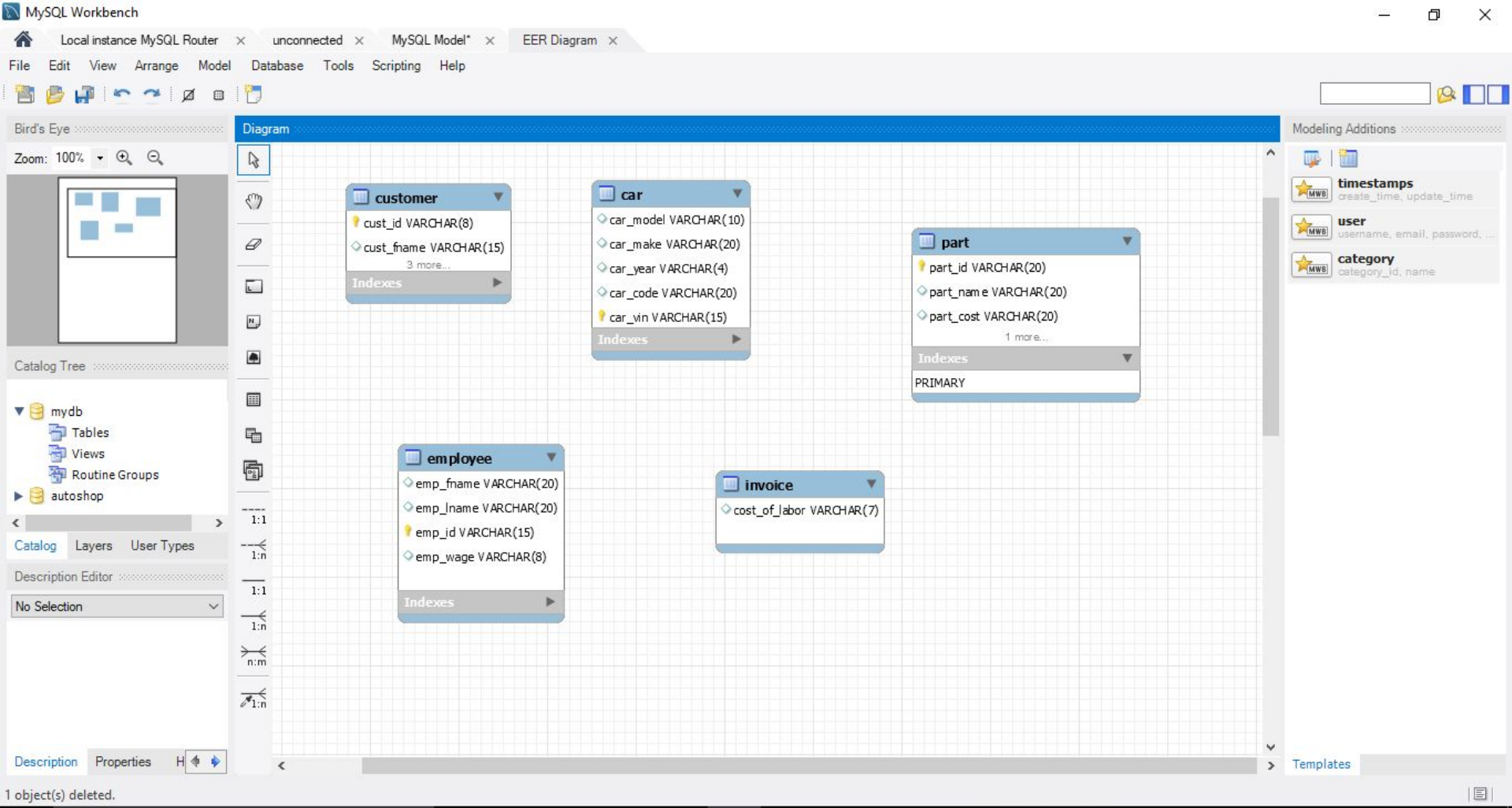
We plan on marketing this towards mechanics who want a clean and efficient way to store their data, and possibly present it to their customers so they can see exactly what has been done to their car.

Relationships

There will be many employees for one garage/shop

There will be a one to many for a customer to cars as a customer may have more than one car

Still a work in progress of how we want to structure the database. Expect us to go over that in the next presentation.


MySQL Workbench
Local instance MySQL Router
unconnected
MySQL Model*
EER Diagram
File Edit View Arrange Model Database Tools Scripting Help
Bird's Eye
Zoom: 100%
Catalog Tree
mydb
Tables
Views
Routine Groups
autoshop
Catalog Layers User Types
Description Editor
No Selection
Description Properties
Diagram
customer
cust_id VARCHAR(8)
cust_fname VARCHAR(15)
3 more...
Indexes
car
car_model VARCHAR(10)
car_make VARCHAR(20)
car_year VARCHAR(4)
car_code VARCHAR(20)
car_vin VARCHAR(15)
Indexes
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1 more...
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emp_lname VARCHAR(20)
emp_id VARCHAR(15)
emp_wage VARCHAR(8)
Indexes
invoice
cost_of_labor VARCHAR(7)
1:1
1:n
1:1
1:n
n:m
1:n
Modeling Additions
timestamps
create_time, update_time
user
username, email, password, ...
category
category_id, name
Templates
1 object(s) deleted.
Type here to search
10:00 AM
9/22/2017