Repair Rundown

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Description

This is an application that allows users to keep track of past and present vehicles and their repair records. This will allow users to easily record and review their vehicles repair history, so that it can be used for future repairs and can be transferable to potential pre owned vehicle buyers. Many people have difficulty recounting and keeping up with their vehicles service records. This will solve that problem.

Features

- Extensive Vehicle Database
- Vehicle detail database
- Vehicle deletion function

Planning - User Stories

Having worked in the automotive industry most of my working career, I noticed a need for customers to be able to keep track of repairs done on their car, in order to have a better understanding of a cars problems and life cycle.

This will also come in handy for mechanics, so that they will be aware of work that has already been done, and can assist in diagnosis or future car problems.

Planning - Database

The largest table in the database is the vehicle table. It currently has over 2,000 vehicle options to choose from.

There is also a table in the database for users to save their vehicles, and a table for vehicle repair information to be saved.

Technology Stack

- Java 1.8
- SPRING Framework
- HTML
- MySQL

Demo

What I Learned

- I have learned alot more about the SPRING annotations, in particular, @ONETOMANY.
- I was able to find ways to use massive CSV files and to convert them in to MySQL files to upload to the database.
- There are a few problems such as linking vehicle details to the vehicles as well as login issues.

What's Next

- Using the @ONETOMANY to make sure the vehicles and data can be linked.
- Making sure the login and registration works well so that users can actually save their vehicles under their own personal account.
- I will also add more vehicles, and implement a way that the user cannot add a vehicle that does not exist.