

Rent-A-Ride

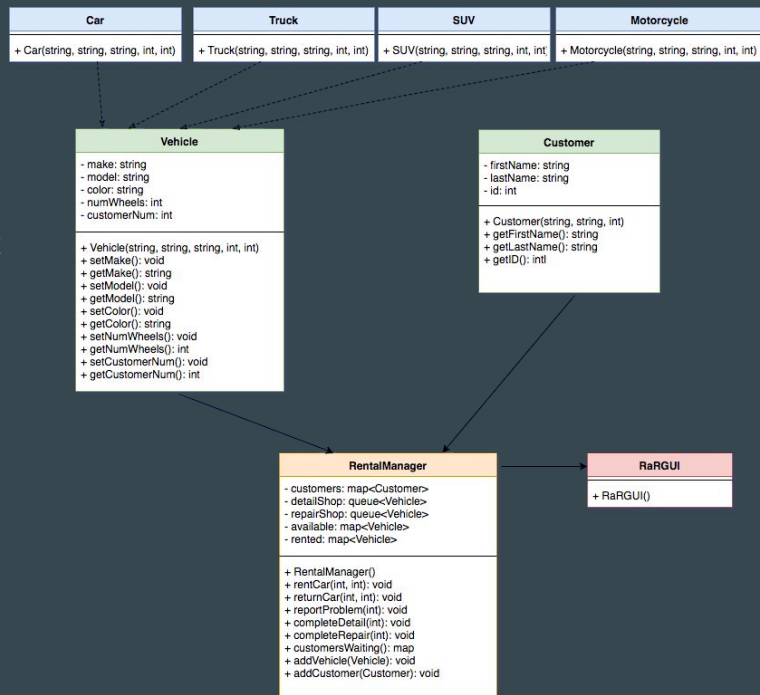
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John Poulos, Mohamed Salad, Charles Valdez

Overview

We have one base class that manages all other vehicles named Vehicle

- Customer's and Vehicles are loaded from file on start
- Rental Manager is our “controller” following MVC.
- Using FLTK we were able to implement a GUI for the dataset
- Operations available all use CRUD style implementation



Dataset

Customers -

First name - First name of customer

Last name - Last name of customer

ID - Unique Identifier of customer

Vehicles -

Make - Make of the vehicle

Model - Model of the vehicle

Year - Year of the vehicle

Color - Color of the vehicle

numWheels - Number of wheels

customerID - ID of customer renting the vehicle

status - Available, rented, etc..

type - Car, Truck, SUV

Over 7000 Unique Vehicles

500 Unique Customers

Toyota	Camry	2015	Black	4
Toyota	Camry	2003	Yellow	4
Toyota	Camry	2011	White	4
Toyota	Camry	2006	Black	4
Toyota	Camry	2015	Gray	4
Toyota	Camry	2002	White	4
Toyota	Camry	2006	Gray	4
Toyota	Camry	1999	Silver	4
Toyota	Camry	2015	White	4
Toyota	Camry	2017	Red	4
Toyota	Camry	2001	Yellow	4
Toyota	Camry	1999	Yellow	4
Toyota	Camry	2008	Red	4
Toyota	Camry	2010	Red	4
Toyota	Camry	2009	Blue	4
Toyota	Camry	2001	Red	4

GUI

Rent-A-Ride

Josephine Darakjy 1
Art Venere 2
Lenna Paprocki 3
Donette Foller 4
Simona Morasca 5
Mitsue Tollner 6
Leota Dillard 7
Sage Wieser 8
Kris Marrier 9
Minna Amigon 10
Abel Maclead 11
Kiley Calderera 12

Customers

Rent vehicle

Honda Ridgeline 2011 Red T
Ford Fiesta 2010 Gray C
Honda Pilot 2011 Yellow S
Honda Ridgeline 2000 Silver T
Toyota Sienna 2008 Black S
Chevrolet Impala 1999 Gray C
Ford Super Duty 2004 Brown T
Honda Pilot 2000 Yellow S
Honda CR-V 2000 White S
Toyota Sienna 2000 Gray S
Honda Civic 2002 Yellow C
Toyota Sequoia 1999 Gray S

Available Vehicles

Return vehicle

Toyota Corolla 2016 Gray C 314
Chevrolet Equinox 2014 Black S 364
Honda HR-V 2017 Green S 351
Toyota Avalon 2001 Gray C 67
Chevrolet Colorado 2014 Blue T 79
Chevrolet Traverse 2011 Brown S 369
Honda Odyssey 2014 Black S 310
Ford Raptor 2016 Brown T 111
Toyota Corolla 2014 White C 16
Chevrolet Colorado 2003 Red T 296
Ford Focus 2017 White C 86
Toyota Camry 2007 White C 29

Rent

Return Vehicle (With problem)

Chevrolet Equinox 1999 Green S
Ford Fusion 2016 Red C
Ford Flex 2000 White S
Toyota Avalon 2015 Black C
Toyota Corolla 1999 White C
Toyota Corolla 2007 Brown C
Honda Ridgeline 2000 Blue T
Toyota Corolla 2009 Red C
Chevrolet Silverado 2011 Black T
Ford Fusion 2009 Brown C
Toyota Tacoma 2005 White T
Ford Raptor 2010 Yellow T

Out for detail

Detail vehicle

Honda Odyssey 2013 Yellow S
Ford Raptor 2017 Silver T
Honda Odyssey 2008 Black S
Chevrolet Equinox 2016 Green S
Toyota Camry 2011 White C
Ford Flex 2014 Blue S
Toyota 4Runner 2007 Gray S
Ford Flex 2006 Blue S
Ford Flex 2014 Gray S
Ford Raptor 2007 Brown T
Ford Super Duty 2012 Gray T
Honda HR-V 2014 Blue S

Out for repair

Repair vehicle

First Name

Last Name

Add customer

Vehicle Make

Vehicle Model

Vehicle Year

Vehicle Color

Type

Add Vehicle

Search by Name:

Search

Results

Demo

Into the demo