

## Clutch Problem Set

We're looking for a developer to turn some beautiful mockups into a fully functional responsive application. This code should be written with reusability in mind. The ability to craft CSS with a style guide in mind is a necessity.

Use any technology stack you like!

## Description

A number of customers have inquired about the cars in our lot. I mailed over an 8½ x11 printout with some nicely structured json but they didn't seem want that. Weird!

I'm hoping you can help me create a view that consumes a server endpoint and then make a carousel to view the car images.

Spend your last 10 minutes writing a README walking us through:

- What you did
- Problems or flaws you encountered
- What you would do if you had another week to work on it

It's ok if you can't finish everything and please focus on what you're best at!

## Step 1

- Check for the header.png and wires.pdf

## Step 2

- Setup a simple server
- make a /cars route point it to the data in data.js (included to help with cors) or

<https://s3.ca-central-1.amazonaws.com/clutch-interview/car.json>

## Step 3 - First Page

- The first page (first in pdf) should have a header section at the top and a two column layout below
  - image should be the header.png provided
- The left column should have two filters, one for price and one for make.
  - Price is an input box that filters the inventory as the user types, or with a slight delay.
  - Make is a select box with 3 options - Honda, Jeep, All. When selected it will filter the inventory.
- The right column should be a grid of cards. It should be three cards across, and should display an image from the cars[i].photos[0].sizes.base.url
  - Each car card should grab the first base image
  - Each car card should display price, mileage, type, model (see second page in pdf)

- Link the car card to the second page below
- Add in a footer that says “Drive on!”

#### **Step 4 - Second Page**

- The second page should have a carousel component at the top looping through the cars[i].photos[0].sizes.base.url provided
- Must rotate every 3 seconds
- Only show 1 image at a time
- Should have arrows that allow you to manually go to the next page
- Shouldn't auto rotate if your mouse is hovered

#### **Bonus**

- Responsive grid on first page, more cars when larger window
- Show first 3 rows and then have infinite scrolling
- Add animation between slides

After the time allotment is complete, send back in a zip or github repo!



