

Development Process Documentation:

Planning phase:

I am required to code this webpage according to a designer's mockups as this assignment is to test a candidates' development skills when given a final design, so I decided to develop this webpage with as much similarity and consistency as possible in relation to the mockups.

As this is an auto sales webpage and not an art exhibit webpage, it would be more practice to not crowd the webpage with too much animation, but adding just some hint of animation to excite the users.

Development phase:

Language used:

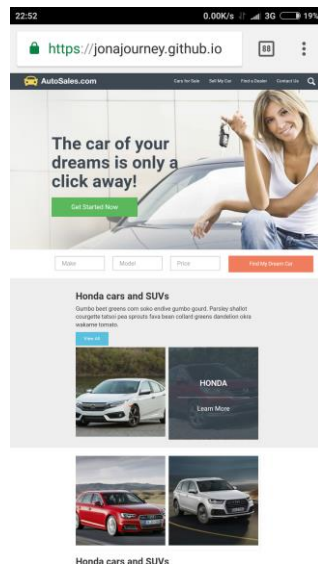
1. The instructions states that I am free to use any framework, but I decide to use mainly HTML and CSS for development.
2. I did use bootstrap for help on developing the nav bar and also some of the buttons.
3. There is also a jquery script that uses to prevent CSS transitions from occurring right when the page is loaded, and also to animate the fade in of a button.

Additional features:

1. I also did add some flavor and animation to the webpage to make it more lively.
2. I added 2 different animated hover effects to the car images, please hover over the images to observe the effects. (note* Honda and Chevy share the same animation, while Audi and Ford share a same animation)
3. The title and on the hero image are also animated. The title will have a raindrop effect when page is loaded while the button will fade in after that.

Responsive design:

1. This webpage is built to support responsive design.
2. When compressed to below size 1200px, it will look as such:



3. The webpage will also behave with slight difference when below size 768px , 550px and 400px.

Coding:

1. There is only 1 html markup page (index.htm) that contains the whole structure of the webpage. There is also an ***animate.css*** file that contains code that animates the hover effects, ***responsive.css*** that contains code that makes the webpage responsive, ***search_box.css*** that contains animation for the search box on the top navigation bar, and a ***page_style.css*** that contains all the styling of the page.
2. In coding up this project, I tried to make things well structured and organized in the html file, in order to make it readable.
3. I also tried to make the css files as simple and intuitive as possible for the ease of understanding.

My thoughts:

I have really learned a lot in this project and it really excites me to be able to bring mockups to live and see it work out the way it was designed to. I also learnt that there will be conflicting challenges along the way but there is for sure a method to solve it, I just got to be determined enough.

I am thankful for this opportunity to code up this challenge, and I hope to be able to be part of the IBM team and learn more from the excellent developers there.

Note: *This webpage is tested working on Google Chrome, Firefox, and Safari.