

# CS-1520: Midterm Project Part 1

## 1 Introduction

In this project, you will create a webpage that simulates a **Car Dealer application**. The aspects that your page should show to the customers are shown in Figure 1. In this first part, you are NOT required to implement any **javascript/DOM programming**. This first part you must only create an **HTML, CSS**, and the **responsive web design** to the page shown in Figure 1.

At this phase, you shall **hard-code**:

- one car image (not all of them).
- The car types as described in section 2
- A given set of color, such as Red, White, and Yellow
- Some aleatory description

In Part 2 of this project, you will repopulate those fields dynamically, but here just hard-code them.

## 2 The major aspects of your webpage

Based on what is presented in Figure 1 , the following components are required:

- A title page: "Car Dealer App"
- A drop-down menu that allows the user to select between car types:
  - Ferrari
  - Lamborghini
  - Mustang
- Another drop-down menu that allows the user to select the car color:
  - The available colors are dependent on the car type:
    - Ferrari: Red, White, and Yellow
    - Lamborghini: Blue, Green, and Yellow
    - Mustang: Black, Silver, White
  - For this Part 1, you can hard-code the first set of colors (Red, White, and Yellow) in this drop-down menu
- A radio-button group for the Insurance Plan
  - No Insurance
  - 3-year insurance (set this one as selected automatically when the page is displayed in the browser)
- A car picture:
  - For Part 1, place any picture you want (even a picture of a banana will do). The picture will be changed in Part 2.
- The order description:
  - For Part 1, just hard-code this text area with any text you want.

AGAIN, IN THIS PART 1, NOTHING SHOULD CHANGE WHEN YOU SELECT A NEW CAR TYPE OR CAR COLOR. I JUST WANT YOU TO GET THE WEBPAGE LAYOUT RIGHT IN PREPARATION FOR PART 2.

For Part 1 your page shall be responsive. Just worry about large screen sizes (as shown in Figure 1) and smartphones (as shown in Figure 2).

# Car Dealer App

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Car Type

Ferrari ▼

Car Color

yellow ▼

Insurance Plan

☐ No Insurance

☒ Three Year Insurance



Description

Car: Ferrari  
Description: Ferraris are what dreams are made of. Fast, sexy, and highly exclusive, these Italian supercars push the boundaries of performance and cause a stir wherever they go. The sensually styled Roma coupe is the most accessible in terms of price, but even it is far too expensive for most people.  
Selected color: yellow  
Basic Price: 100,000

**Figure 1: Main Screen of the Car Dealer Webpage**

# Car Dealer App

Car Type

Mustang ▼

Car Color

black ▼

Insurance Plan

☐ No Insurance

☒ Three Year Insurance



Description

Car: Mustang  
Description: The namesake of the "pony car" automobile segment, the Mustang was developed as a highly styled line of sporty coupes and convertibles derived from existing model lines, initially

**Figure 2: Smartphone view of the application**

### 3 Later on, in Part 2

One week after you have completed Part 1, you will use JavaScript and DOM to make your page more dynamic. When the user selects a color, it will reflect in the car image and in the description area. The same thing will happen if the customer selects another car type, as shown in Figures 3 and 4.

## Car Dealer App

Car Type

Ferrari

Car Color

red

red


white

yellow

Insurance Plan

☐ No Insurance

☒ Three Year Insurance



Description

Car: Ferrari  
Description: Ferraris are what dreams are made of. Fast, sexy, and highly exclusive, these Italian supercars push the boundaries of performance and cause a stir wherever they go. The sensually styled Roma coupe is the most accessible in terms of price, but even it is far too expensive for most people.  
Selected color: red  
Basic Price: 100,000

Figure 3: Changing Car Color

## Car Dealer App

Car Type

Mustang ▼  
Ferrari  
Lamborghini  
Mustang  
black ▼



Insurance Plan

- ☐ No Insurance  
☒ Three Year Insurance

Description

Car: Mustang  
Description: The namesake of the "pony car" automobile segment, the Mustang was developed as a highly styled line of sporty coupes and convertibles derived from existing model lines, initially distinguished by long hood, short deck proportions.  
Selected color: black  
Basic Price: 100,000  
Insurance Price: 120000 (3-year insurance)

Figure 4: Changing Car Type