

Exercises: CSS Selectors and Rules

1. The Future of Cars

You are given the HTML for the following Web page. Write the missing CSS:





THE FUTURE OF CARS IS ALREADY HERE



In the last hangar off the runway in Prineville, Oregon, Sam Bousfield locked down one of the wings to his flying car. His engineer was busy burnishing the parabolic slope of the carbon-fiber finish. Bousfield handed me half a tail wing. It floated in my hand, light as balsa wood. "Eight pounds," he said, which, for a structural component of an airplane, is almost nothing. Off in the far side of the hangar sat his original wooden mock-up of the chassis, a three-wheeled aerodynamic lozenge right out of a manga enthusiast's idea of a speed racer. He encouraged me to climb in and get a feel for the feng shui of the driver's seat, the view out the windshield, the sense of balance. But what he really wanted me to see was that this thing was real—that the flying car is no longer in that jetpack realm of promising technology that never quite arrives. "I expect to take this car into the air in June," he said.

WHEN CARS FLY



The automobile has long been a symbol of everything great and everything terrible about America. On the one hand: freedom, individualism, power, speed. The taming of millions of miles of varied wildernesses through roads, then highways, then interstates. The capacity of American industry—Pittsburgh's steel, Akron's rubber, Detroit's factories. But on the other hand: gas-guzzling SUVs. Traffic and sprawl. The abandonment of mass transit. The suburb and then the exurb, with their undeniable ties to white flight and segregation. The decline of the Rust Belt, the near-collapse of the Big Three automakers during the Great Recession of 2008, and the slow death of American manufacturing and blue-collar work.

WHERE ARE THE FLYING CARS?



Fflying cars have been part of our science-fiction dreams ever since Henry Ford pitched an early personal airplane back in 1926—Ford's aircraft division actually tried to build a "Model T of the air." Ninety years later, discarded prototypes litter junkyards and collectors' garages, but no viable mass-market product has ever emerged. That might still change. The latest candidates include Skycar, a flying-car prototype, and the Ehang 184, an autonomous electric quadcopter introduced at the 2016 Consumer Electronics Show, in Las Vegas. In 2013, a company called Terrafugia announced plans for a self-flying car; it expects to have a prototype ready for testing by 2018. A commercial model will take at least another five years.

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- Use the HTML file given in the resources: "**the-future-of-cars.html**".
 - You are **NOT** allowed to change the HTML code.
- Create the CSS file and write the missing styles: "**the-future-of-cars.css**".

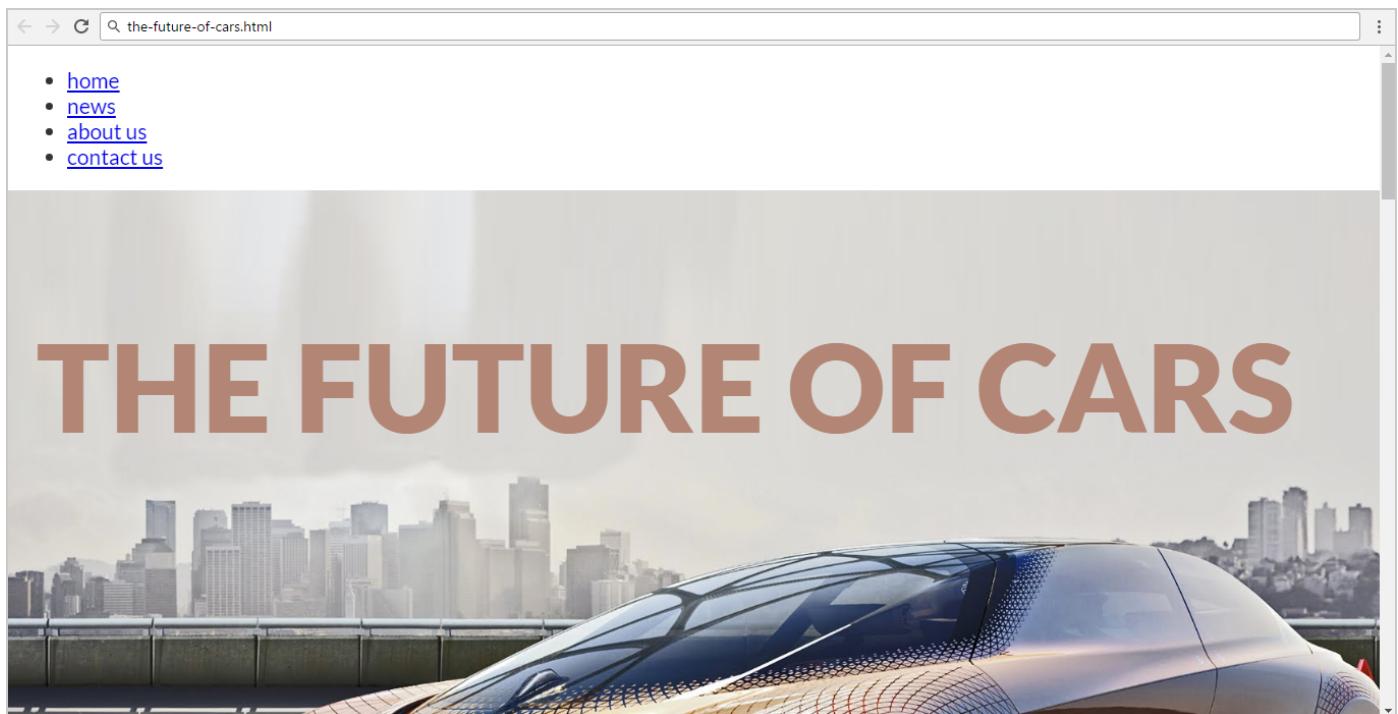
Steps to Follow

Start with the **site header**:

- Copy the CSS **@import** for the '**Lato**' font from Google Fonts: <https://fonts.googleapis.com/selection?selection.family=Lato>
- **<body>**
 - Text font: **'Lato', sans-serif;**
 - Text size: **14px;**
 - Text color: **#333333;**
 - Margin: **0px;**
 - Padding: **0px;**
- **Site header**
 - Background: **url(...<locate the background image>...) no-repeat center;**
 - Background Size: **cover;**
 - Height: **700px;**
- **Style the heading: <h1>** in the site header

- Text size: **80px**;
- Font-family: '**Lato**', **sans-serif**;
- Margin: **0**;
- Padding: **80px 0 0 20px**;
- Text Weight: **900**;
- Text Color: **#b38575**;
- Display the text in UPPERCASE

Test the site header in the browser:



Now style the **top navigation**:

- <nav>
 - Margin: **20px**;
 - Float: right;
- **Unordered list in the navigation**
 - Margin: **0**;
 - Padding: **7px**;
 - Height: **20px**;
 - Line Height: **20px**;
- **List items in the navigation**
 - Display as inline blocks
- **Hyperlinks in the navigation**
 - Make them UPPERCASE
- **Hyperlinks: a, a:link, a:visited**

- Text Color: #333;
 - Padding: 5px 7px 10px 7px;
 - Text size: 1em;
 - Font Weight: bold;
 - Remove text underline
- **Hyperlinks with mouse over it**
 - Text Color: #b38575;

Test the site navigation in the browser:



Now **style the site content** (articles):

- **Content section**
 - Padding Left: 25px;
 - Padding Right: 25px;
 - Align Text: Justify;
- **Articles in the content section**
 - Margin Bottom: 20px;
- **Images in the articles**
 - Width: 350px;
 - Height: 260px;
 - Margin Right: 15px;
 - Display the images on the left side (search in Google about "[CSS floating](#)")
- **Paragraphs in the articles**
 - Text Size: 18px;
 - Text Color: #333333;

- Margin: **0px**;
 - Padding: **20px**;
- First letter in the first article's paragraph
 - Text Site: **32px**;
 - Text Color: **#b38575**;
 - Text Style: **bold**;
 - Make the text UPPERCASE
 - Hint: use the pseudo-selector **:first-of-type:first-letter**
- Article heading **<h2>**
 - Font Weight: **900**;
 - Text Color: **#b38575**
 - Margin-Bottom: **20px**;
 - Make the text uppercase

Test the site content (articles section) in the browser. Note that the articles will **overlap** like shown below:

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WHERE ARE THE FLYING CARS?

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To fix the overlapping articles use a “**clearing**” CSS like this:

```
.content article:after{
  content: '';
  display: block;
  clear: both;
}
```

Learn more about **floating and clearing** here: <https://css-tricks.com/all-about-floats/>.

Test the site content again. Now the articles should be displayed **correctly**:

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Now style the site footer:

- <footer>
 - Background Color: #ccc;
- in the footer
 - Center the content
 - Display as **block** element
 - Padding: 10px;
 - Text Color: #333333;

Test the site in the Web browser again:

of millions of miles of varied wildernesses through roads, then highways, then interstates. The capacity of American industry—Pittsburgh's steel, Akron's rubber, Detroit's factories. But on the other hand: gas-guzzling SUVs. Traffic and sprawl. The abandonment of mass transit. The suburb and then the exurb, with their undeniable ties to white flight and segregation. The decline of the Rust Belt, the near-collapse of the Big Three automakers during the Great Recession of 2008, and the slow death of American manufacturing and blue-collar work.

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Now the site is styled completely.

2. Food Page

Create a Web page like one below. Write the missing CSS.

Blog

How much would you pay for a quality burger
12.05.2017



It was a little strange to get the new summer-themed Chick-fil-A Smokehouse BBQ Bacon Sandwich on the day of an unseasonable May snowstorm in Salt Lake City, but fortunately deliciousness knows no season. From top to bottom, the sandwich consists of a Hawaiian bun, honey smokehouse BBQ sauce, bacon with a brown sugar pepper blend, Colby-Jack cheese, grilled chicken, lettuce, and bun.

[Read more](#)

Recent posts



HOW MUCH WOULD YOU PAY FOR A QUALITY BURGER



HOW TO COOK THE PERFECT STEAK



A GRILLED CHEESE CAN BE TRULY LUXURIOS

A photograph of a meal consisting of a large burger with lettuce, tomato, and cheese, a hot dog with mustard and relish, and a side of french fries, all served on a wooden board.

How much would you pay for a quality burger

12.05.2017

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[Read more](#)

A photograph of two pieces of grilled lamb chops on a white plate, garnished with herbs and lemon wedges.

Recent posts

HOW MUCH WOULD YOU PAY FOR A QUALITY BURGER

HOW TO COOK THE PERFECT STEAK

A photograph of various sandwiches, including ones with seeds and meat, arranged on a white surface.

- Create the missing CSS file: "**food-blog.css**".
- You are **NOT** allowed to change the original HTML file.
- Default font: **Lato, sans-serif;**
- Colors: **#ec5353, #FFFFFF;**
- Default: **font-size: 14px;**

Hints

- Use **background: none** to remove <button> background.

3. Japanese Kitchen

You are given the HTML for the Web page shown below. Write the missing CSS:

The screenshot shows the homepage of the Japanese Kitchen website. At the top right is the logo "Yoko's Kitchen". Below it is a navigation bar with links: home, classes, catering, about, and contact. The main content area features two cards. The first card, titled "Japanese Vegetarian Five week course in London", shows a bowl of Bok Choi with chopsticks. The second card, titled "Sauces Masterclass One day workshop", shows a bowl of Teriyaki Sauce with a spoon. A sidebar on the right lists "Popular Recipes" including Yakitori, Tsukune, Okonomiyaki, Mizutaki, Sushi, and Tempura.

This screenshot is identical to the one above, showing the Japanese Kitchen website's homepage. It features the same layout with the "Yoko's Kitchen" logo at the top, a navigation bar, and two main content cards (Bok Choi and Teriyaki Sauce) followed by a sidebar of popular recipes.

- Use the following HTML file: "**japanese-kitchen.html**".
 - You are **NOT** allowed to change the HTML code.
- Create the missing CSS file: "**japanese-kitchen.css**".

Constraints

- **Reset CSS styles** at the start of your CSS.
- Default font: **14px 'Lato', sans-serif;**