Project 2: Book CRM

Difficulty Level: Intermediate

Overview

Use the flexbox layout mode and media queries to create a responsive layout.

# Instructions

1. Open chapter07-project02.html in the browser. You will be modifying the CSS only.
2. Modify styles.css and float the <h1> in the header to the left and the vertical line menu image to the right.
3. Right now each card fills the entire width of the available space. Change the width of the card class to 24%. By taking less than a quarter of the available space, we will eventually be able to fit four cards on a row.
4. Now we need to use the flexbox mode. You will need to add display:flex to the cards class.
5. Change the max-width property of the <figure> image to 100%.
6. Modify the card class by setting its flex property to 0 1 auto. Test in browser. Set the justify-content, align-items, and flex-wrap properties appropriately in order to achieve a layout similar to that shown in [Figure 7.56](https://jigsaw.vitalsource.com/books/9780134481807/epub/OPS/xhtml/fileP7001013820000000000000000002738.xhtml?create=true&favre=brett#P7001013820000000000000000002814)
7. Trying resizing the browser; notice how the flex containers continue to shrink in width in order to maintain the four columns. Why four columns? Remember back in step three we set the width to 24%, so the browser is trying to maintain that rule.
8. Add a media query for screens 480 px wide and less. In it, change the card width to 100% and test. Now on a small screen, each card will fill the entire width. Also reduce the height of the header as well as the margin and padding of its heading.
9. Add a media query for tablets between 481 px and 768 px. Change the card width so two cards are displayed on each row.
10. Add a 2 second transition on the opacity property when hovering over or off of the See More span with the *button* class This will create the illusion of the span fading into (or out of) visibility. Also, add a drop shadow and a saturation filter of about 130% when hovering over any of the card images.

# Testing

1. View chapter07-project02.html in the browser. Be sure to test at different sizes to verify the media queries work as expected (see Figure 7.56 ).

A picture containing website

Description automatically generated

Figure 7.56