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Question:

Based on the HTML given in class notebook, Classwork: Bootstrap 1

What will happen if I change the column class from col-md-6 to:

1. col-lg-6
2. col-sm-6

Describe the different between using "col-md-6", "col-lg-6", and "col-sm-6", what are their impact to the column with brief analysis.

1.

The current format is col-md-6 if there is alteration the following change will be noticed

- col-md-6 (current)
 - Behavior: Two columns side-by-side on screens $\geq 768\text{px}$ (md and above).
 - On smaller screens ($<768\text{px}$) they stack vertically (full width).
- col-lg-6
 - Behavior: Two columns side-by-side only on screens $\geq 992\text{px}$ (lg and above).
 - On md and sm widths ($<992\text{px}$) they will stack vertically (full width).
- col-sm-6
 - Behavior: Two columns side-by-side on screens $\geq 576\text{px}$ (sm and above).
 - Only very small screens ($<576\text{px}$) will show stacked layout.

Conclusion :

- hanging col-md-6 \rightarrow col-lg-6 makes the two columns require a larger screen ($\geq 992\text{px}$) to sit side-by-side (so they will stack on medium screens).
- Changing col-md-6 \rightarrow col-sm-6 makes them sit side-by-side on smaller screens ($\geq 576\text{px}$), so they will stack only on very small screens.

Image on a phone screen sample

The screenshot shows a developer's workspace with several windows open:

- SOURCE CONTROL**: Shows a commit message: "Message (Ctrl+Shift+C) Commit".
- CHANGES**: Shows a file named "index.html" with some code.
- Phone View**: A mobile browser window showing a table with two columns. The table has rows for Laptop (\$999.99), Smartphone (\$699.99), Headphones (\$129.99), Keyboard (\$79.99), and Mouse (\$49.99). Below the table is a section titled "Item Summary" with placeholder text.
- CHAT**: A sidebar with a list of responsive design behaviors for different screen widths (col-md-6, col-lg-6, etc.) and quick examples.

Image on a computer screen sample

The screenshot shows a browser window at 127.0.0.1:5500/index.html. The page content is identical to the mobile view above, featuring a table with two columns and an "Item Summary" section. To the right, the browser's developer tools are open, specifically the Elements tab, showing the HTML structure of the table. The developer tools also show the CSS styles applied to the table rows and columns, including Bootstrap's table-striped class and its effect on odd/even row coloring.