Bootstrap’s Grid System

Bootstrap provides CSS classes that can divide your HTML into rows and columns

It has other classes too, but we'll get to them

Bootstrap enables “responsive” design, where your website’s layout changes for screens of different widths

Responsive Breakpoints

- 1200px <= “xl”
- 992px <= “lg” < 1200px
- 768px <= “md” < 992px
- 576px <= “sm” < 768px
- “xs” < 576px

.row

- The row class is meant to contain .col-* divs

.col-*

- Rows are divided up into 12 column divs
- Examples: col-2, col-sm-12, col-md-4, col-lg-3, col-xl-5

```
    On small screens:
        This row renders two full width columns
        stacked on top of each other

    On medium screens (and larger):
        This row renders two half width columns
        stacked left to right
-->
<div class="row">
    <div class="col-12 col-md-6">
        Content
    </div>
    <div class="col-12 col-md-6">
        Content
    </div>
</div>
```

.container and .container-fluid

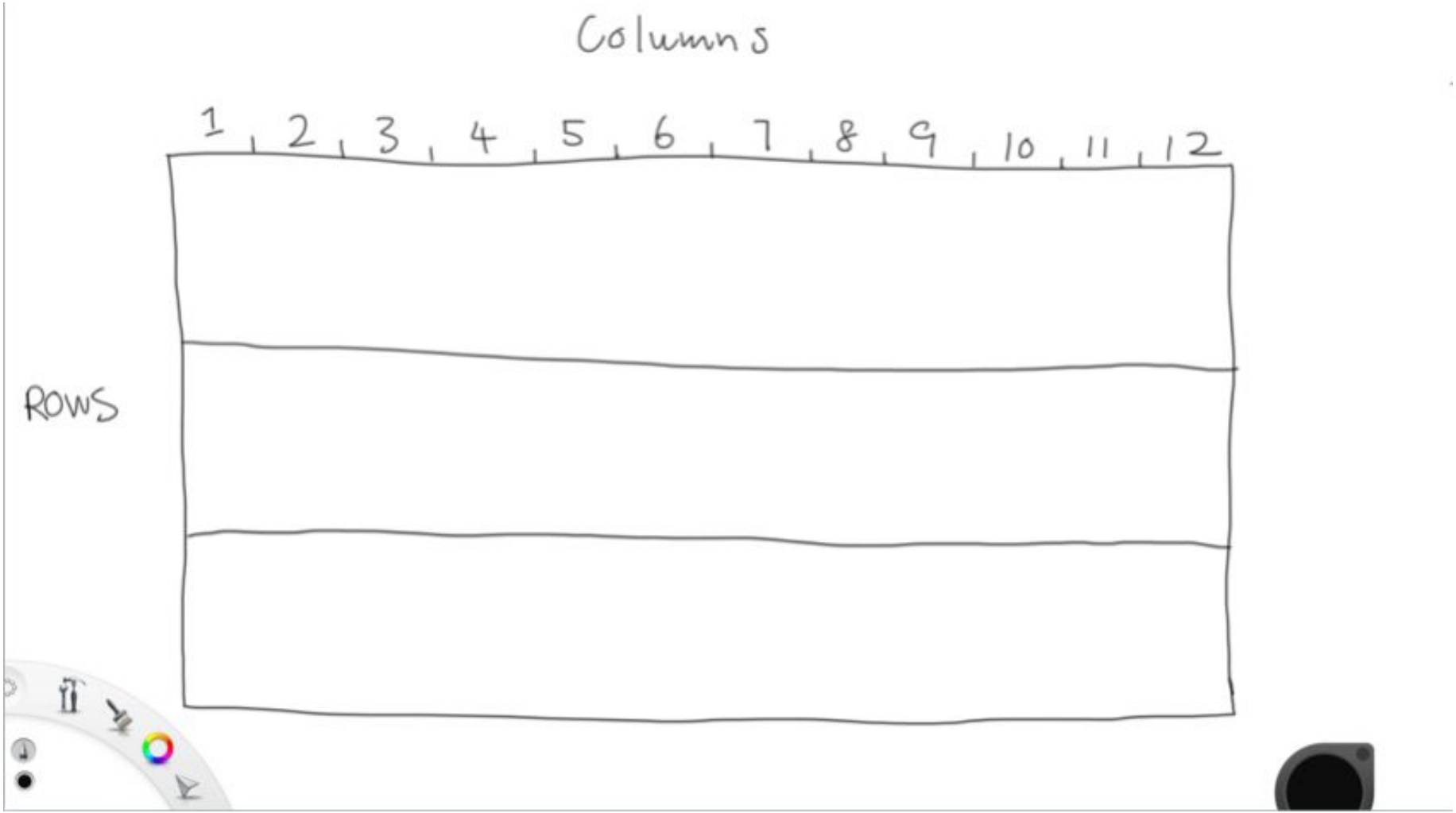
- The container class will wrap your rows and apply a max-width based on screen size
- Container-fluid wraps your application and keeps it 100% width

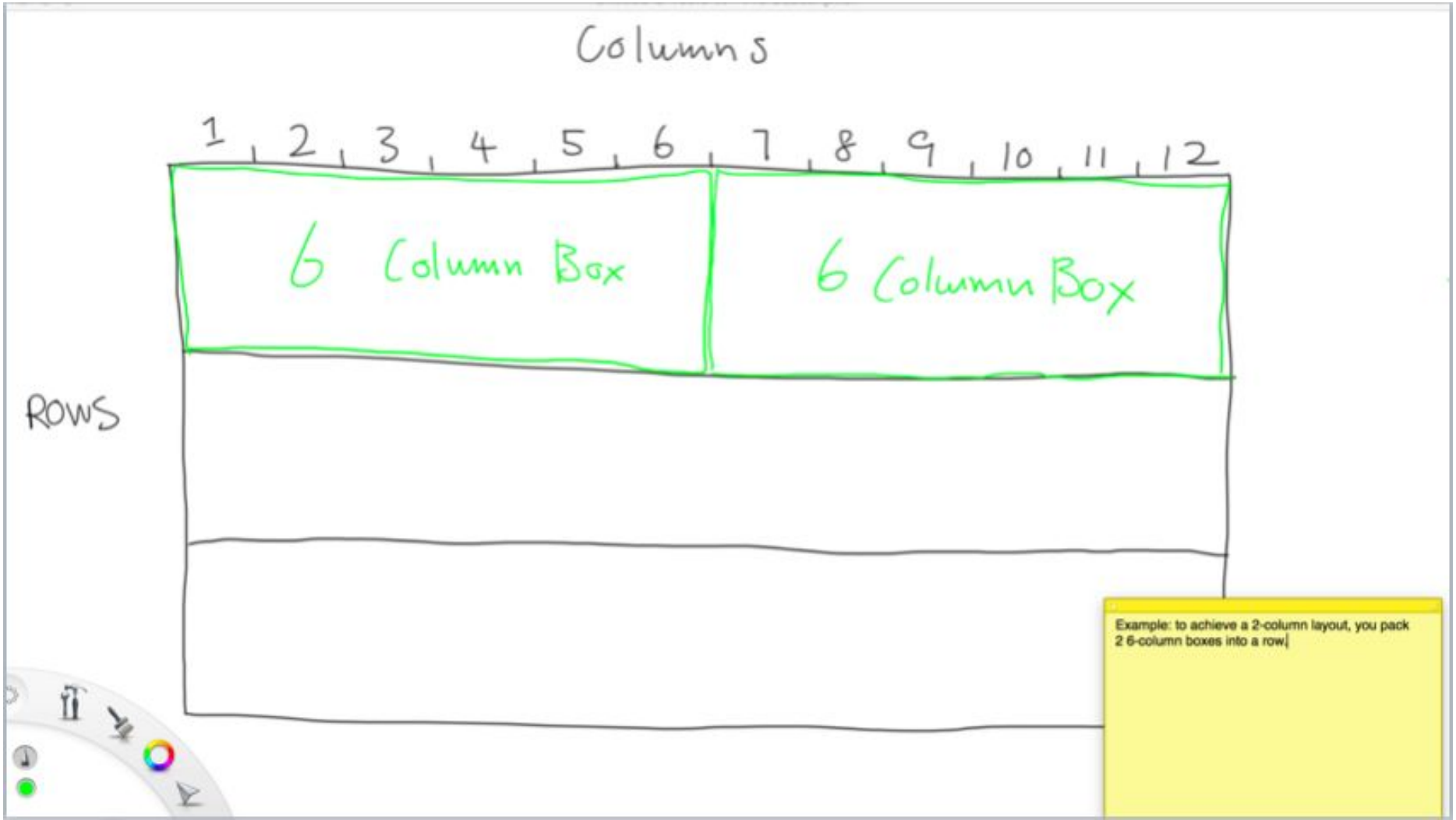
```
<div class="container">
  <!-- Content here -->
</div>
```

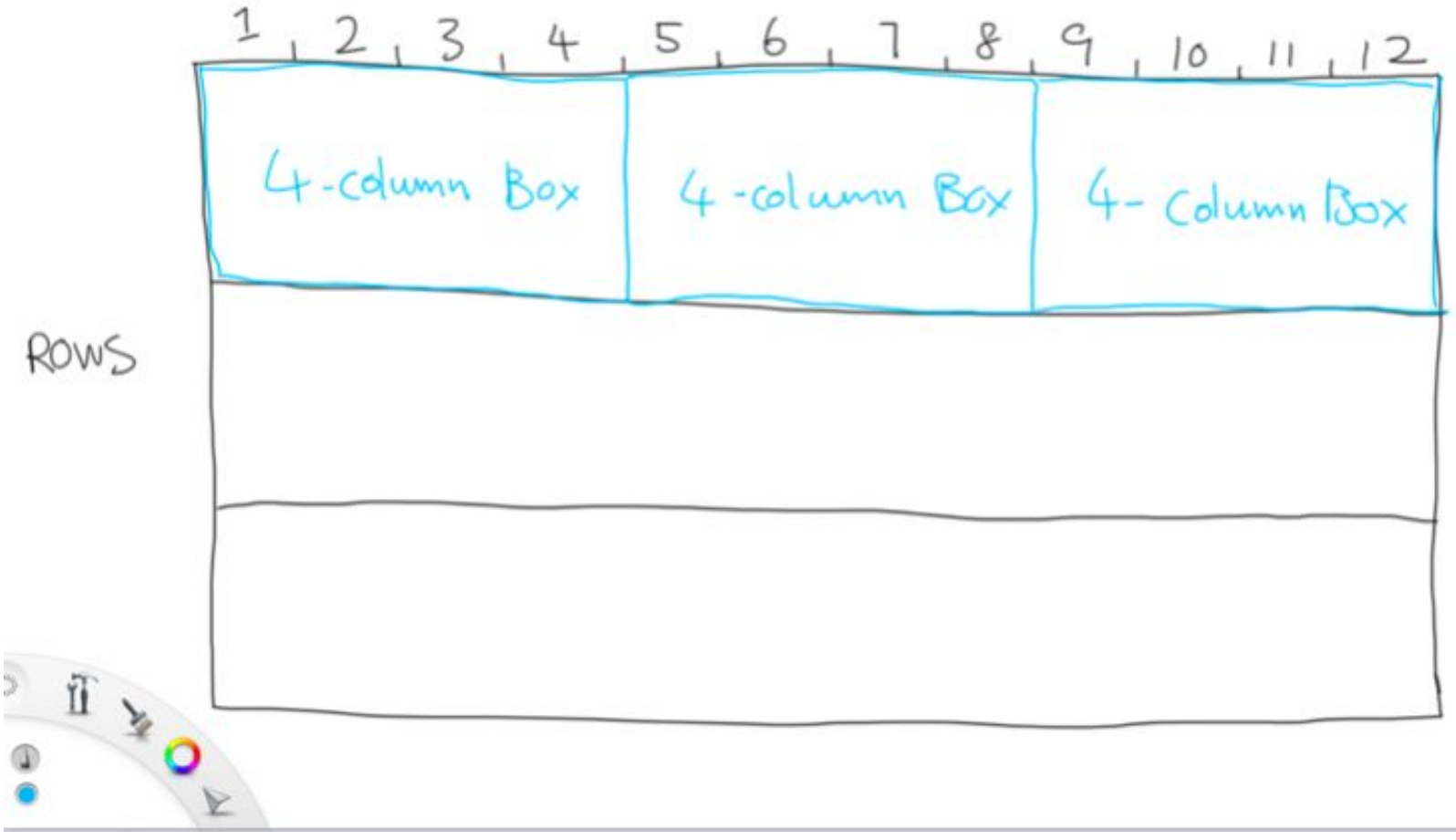
Copy

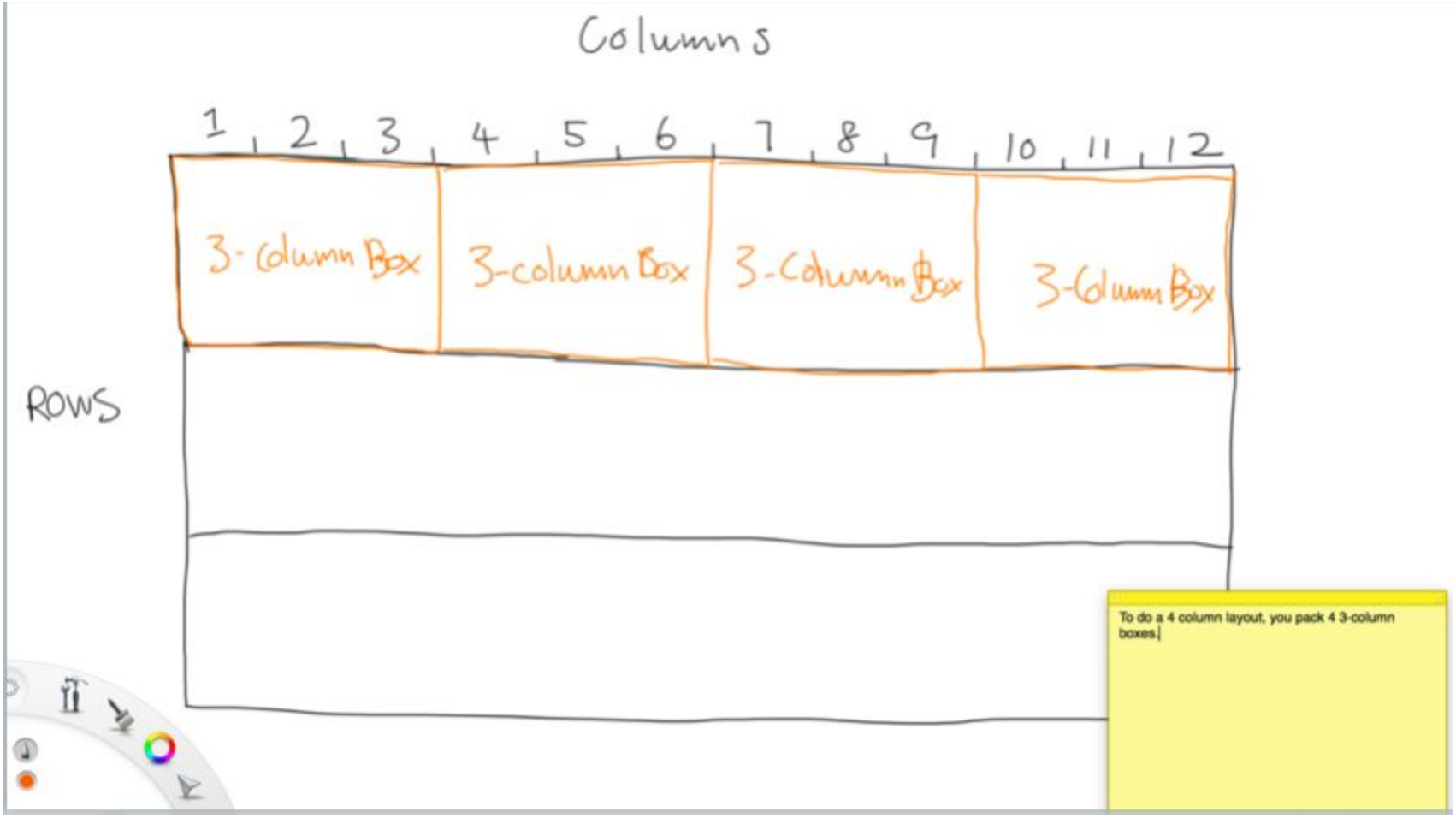
```
<div class="container-fluid">
  ...
</div>
```

Copy


Columns
1 2 3 4 5 6 7 8 9 10 11 12
ROWS


Columns
1 2 3 4 5 6 7 8 9 10 11 12
6 Column Box
6 Column Box
ROWS
Example: to achieve a 2-column layout, you pack 2 6-column boxes into a row.


Columns
1 2 3 4 5 6 7 8 9 10 11 12
4-column Box
4-column Box
4- Column Box
ROWS


Columns
1 2 3 4 5 6 7 8 9 10 11 12
3-column Box
3-column Box
3-column Box
3-column Box
ROWS
To do a 4 column layout, you pack 4 3-column boxes.

Bootstrap provides CSS classes that make your websites prettier:

- Alerts
- Buttons
- Cards
- Collapsable Divs
- Dropdowns
- Forms
- Jumbotrons
- Modals
- Navigation Bars
- Popovers
- Pagination
- Tooltips
- Input Groups
- Tables
- List Groups
- And so much more!

Check out https://getbootstrap.com/docs/4.0/components/ for the full list