

In this lecture, we will discuss...

The Bootstrap Grid System



Bootstrap Grid System Basics

Must be inside container (or container-fluid)

```
<div class="container">  
  <div class="row">  
    <div class="col-md-4">Col 1</div>  
    ...  
  </div>  
</div>
```

Bootstrap Grid System Basics

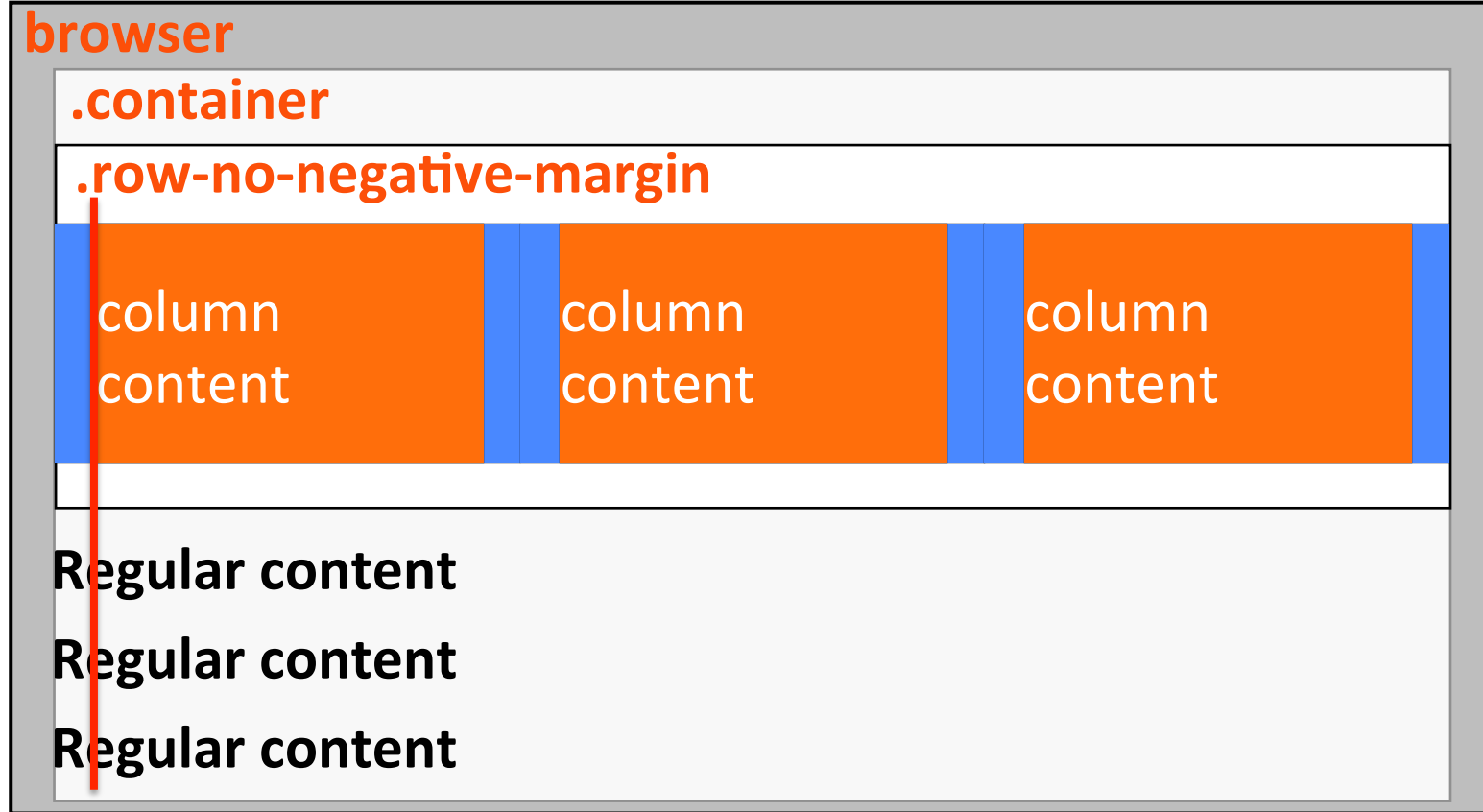
Creates horizontal groups of columns

```
<div class="container">  
  <div class="row">  
    <div class="col-md-4">Col 1</div>  
    ...  
  </div>  
</div>
```

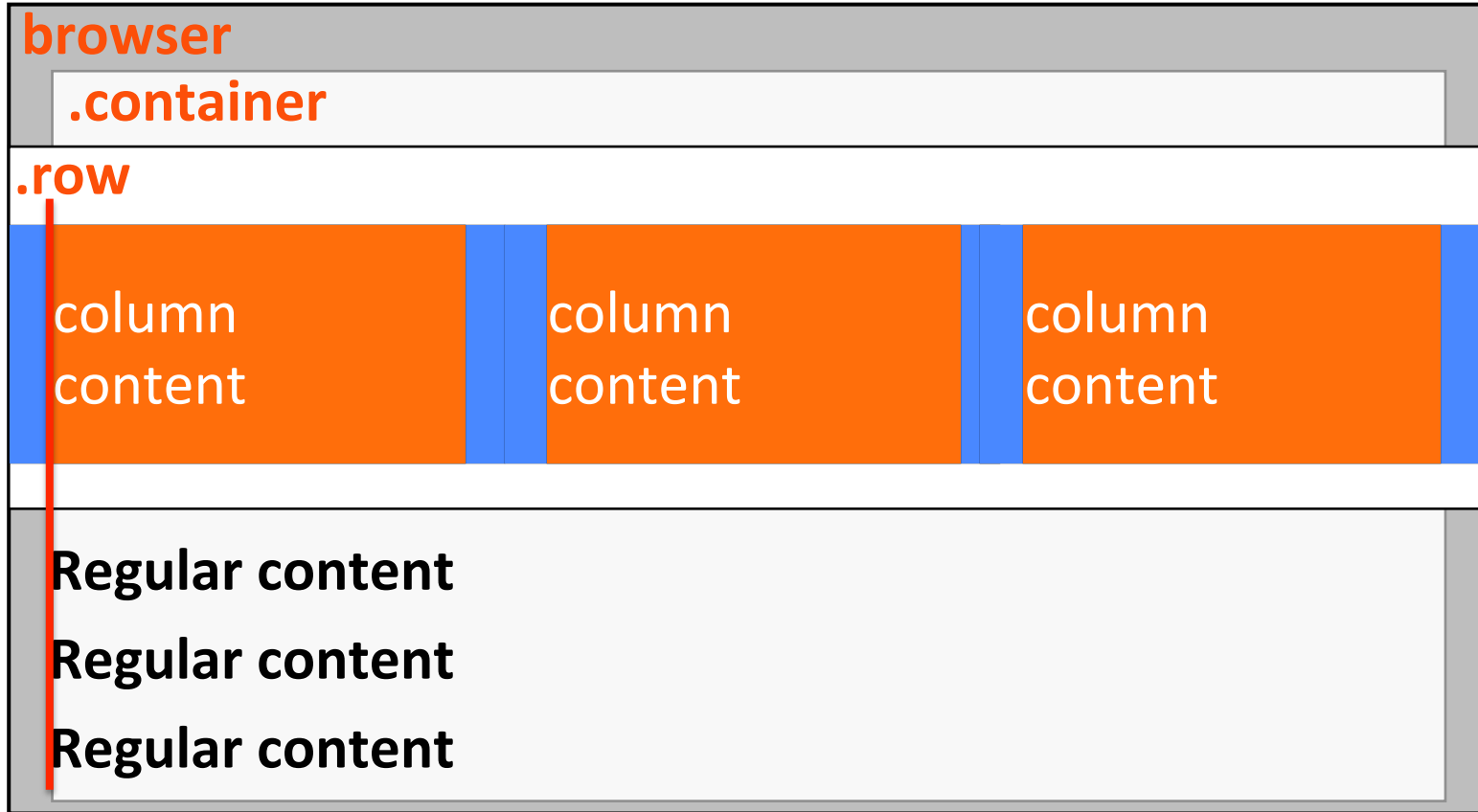
Applies negative left/right margins



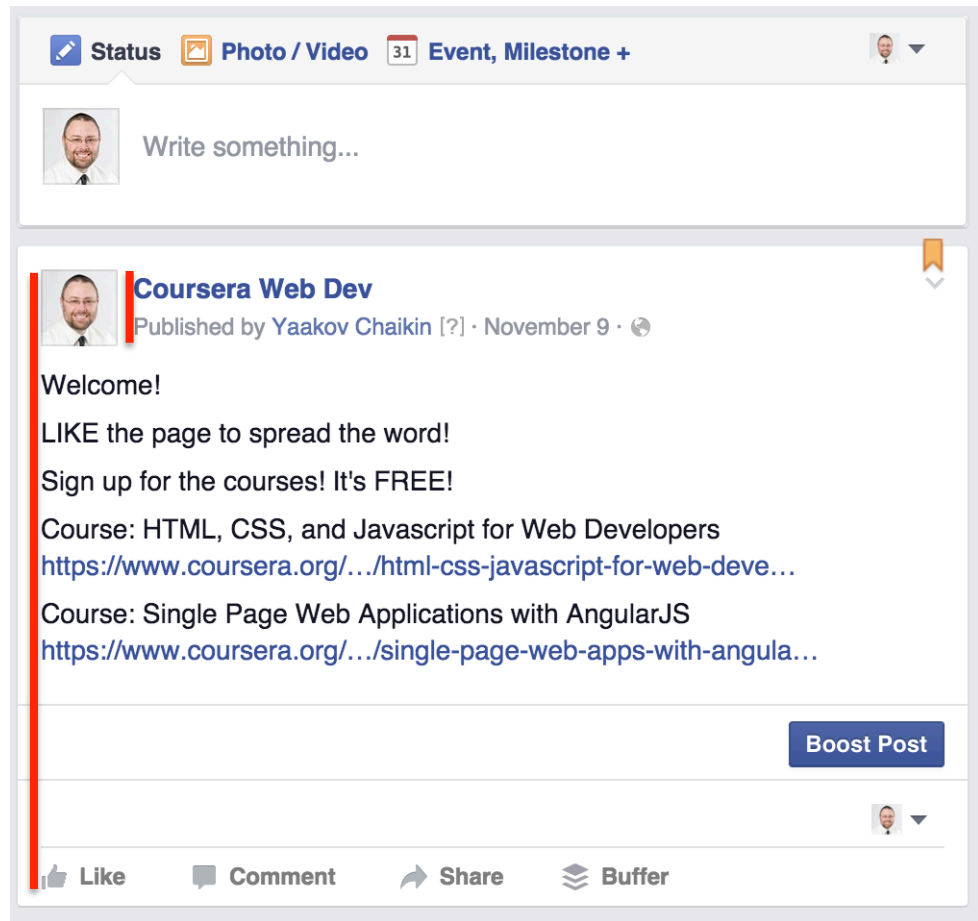
Why Negative Row Margin?



Why Negative Row Margin?



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The screenshot shows a Facebook interface. At the top, there are navigation tabs: 'Status' (with a pencil icon), 'Photo / Video' (with a photo icon), and 'Event, Milestone +' (with a calendar icon showing '31'). A user profile picture is visible in the top right corner. Below the navigation bar is a text input area with a placeholder 'Write something...' and a small profile picture of a man. The main content area features a post from 'Coursera Web Dev', which is highlighted by a red vertical line. The post is published by 'Yaakov Chaikin' on 'November 9'. The text of the post reads: 'Welcome!', 'LIKE the page to spread the word!', 'Sign up for the courses! It's FREE!', 'Course: HTML, CSS, and Javascript for Web Developers' followed by a link 'https://www.coursera.org/.../html-css-javascript-for-web-deve...', 'Course: Single Page Web Applications with AngularJS' followed by a link 'https://www.coursera.org/.../single-page-web-apps-with-angula...', and a 'Boost Post' button. At the bottom, there are icons for 'Like', 'Comment', 'Share', and 'Buffer', along with another user profile picture in the bottom right corner.

Status Photo / Video 31 Event, Milestone +

Write something...

Coursera Web Dev
Published by Yaakov Chaikin [?] · November 9 ·

Welcome!
LIKE the page to spread the word!
Sign up for the courses! It's FREE!
Course: HTML, CSS, and Javascript for Web Developers
<https://www.coursera.org/.../html-css-javascript-for-web-deve...>
Course: Single Page Web Applications with AngularJS
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Boost Post

Like Comment Share Buffer



Bootstrap Grid System Basics

```
<div class="container">  
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  </div>  
</div>
```



Bootstrap Grid System Basics

col-SIZE-SPAN

- How many columns element should span
- Values: 1 through 12

- Screen width range identifier
- Columns will **collapse (i.e., stack)** below that width
 - Unless another rule applies

Bootstrap Grid System Basics

```
<header class="container">  
  <nav class="row">  
    <div class="col-md-4">Col 1</div>  
    . . .  
  </nav>  
</header>
```



Summary

- ✧ Structure Bootstrap expects for the grid-based layout
 - Needs to be inside `.container` (or `.container-fluid`)
 - All columns must be inside `.row`
- ✧ SIZE identifier identifies at which breakpoint specified column spans will be ignored and all elements will collapse (i.e., stack)
- ✧ If no other rules apply, specifying `col-xs-...` will keep that layout no matter what the size of the screen

Visit with the Client

