



FULL SAIL
UNIVERSITY

programming for web applications



2

Lecture 8

jQuery plugin development

PWA-2 DUE Dates

Item	Due Dates
Branding / Logo	11/25/13 - After Lab on the First Day
Project Pitch	12/02/13 - Before Lecture 2
Creative Brief - Finished Document	12/4/13 - Before Lecture 3
Site Prototype (html/css)	12/09/13 - Before Lecture 5
Development Milestone (javascript)	12/13/13 - Due End of Lab 7
Inclusion of 5 media center items	12/20/13 - Last Day of Class After Lab
Aesthetics & Usability (finished site)	12/20/13 - Last Day of Class After Lab
Functionality (finished site)	12/20/13 - Last Day of Class After Lab
Professionalism	The duration of the course
Class Participation	The duration of the course

Content Slider



- jSlider

target.jslide(options)

We'll make our plugin as a *Factory Method* so that it can use the factory selectors as a target, and be chained on if desired.

As usual, we'll declare some customizable options.

• Content Sliding Plugin

- ▶ Some ideal customizations would be:
 - ▶ vertical / horizontal
 - ▶ standard options (*speed / duration, easing, targets*)
 - ▶ multiple back/next controls
 - ▶ transition choices
 - ▶ looping (*forward to end and back*)
 - ▶ slideshow mode (*automatic slide*)

how's it gonna work?

html required

```
<div id="carousel">           // fixed width and height
  <ul>
    <li>Content</li>
    <li>Content</li>
    ...
  </ul>
</div>
```

The *filenstrip*

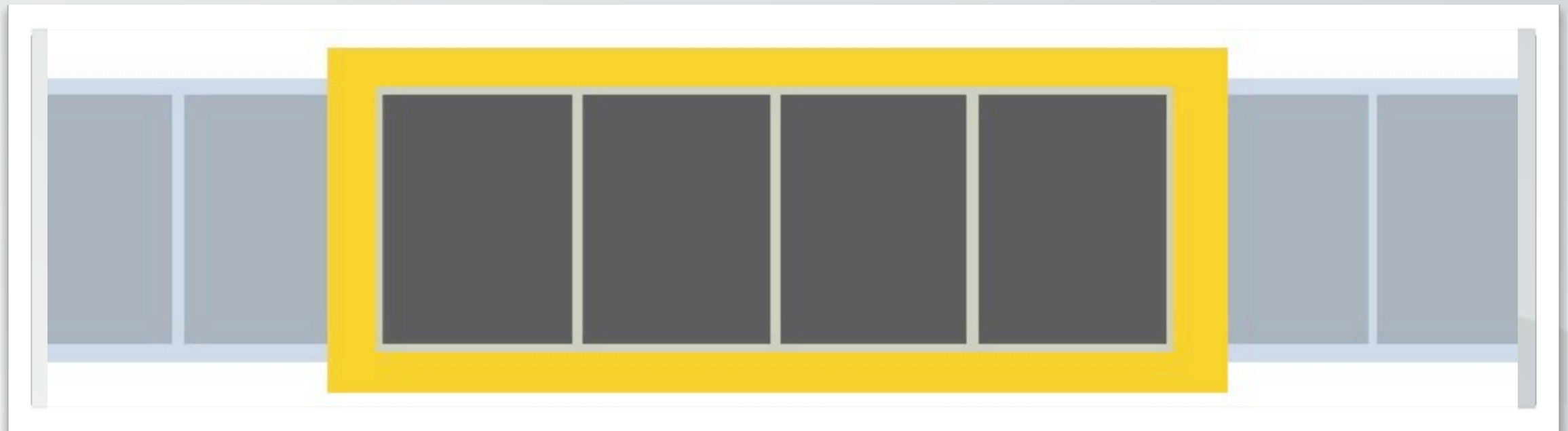


**** ▶ *dynamic size*

**** ▶ *floating left to stack*

<div> ▶ *fixed size, hide overflow*

▶ use absolute positioning to move

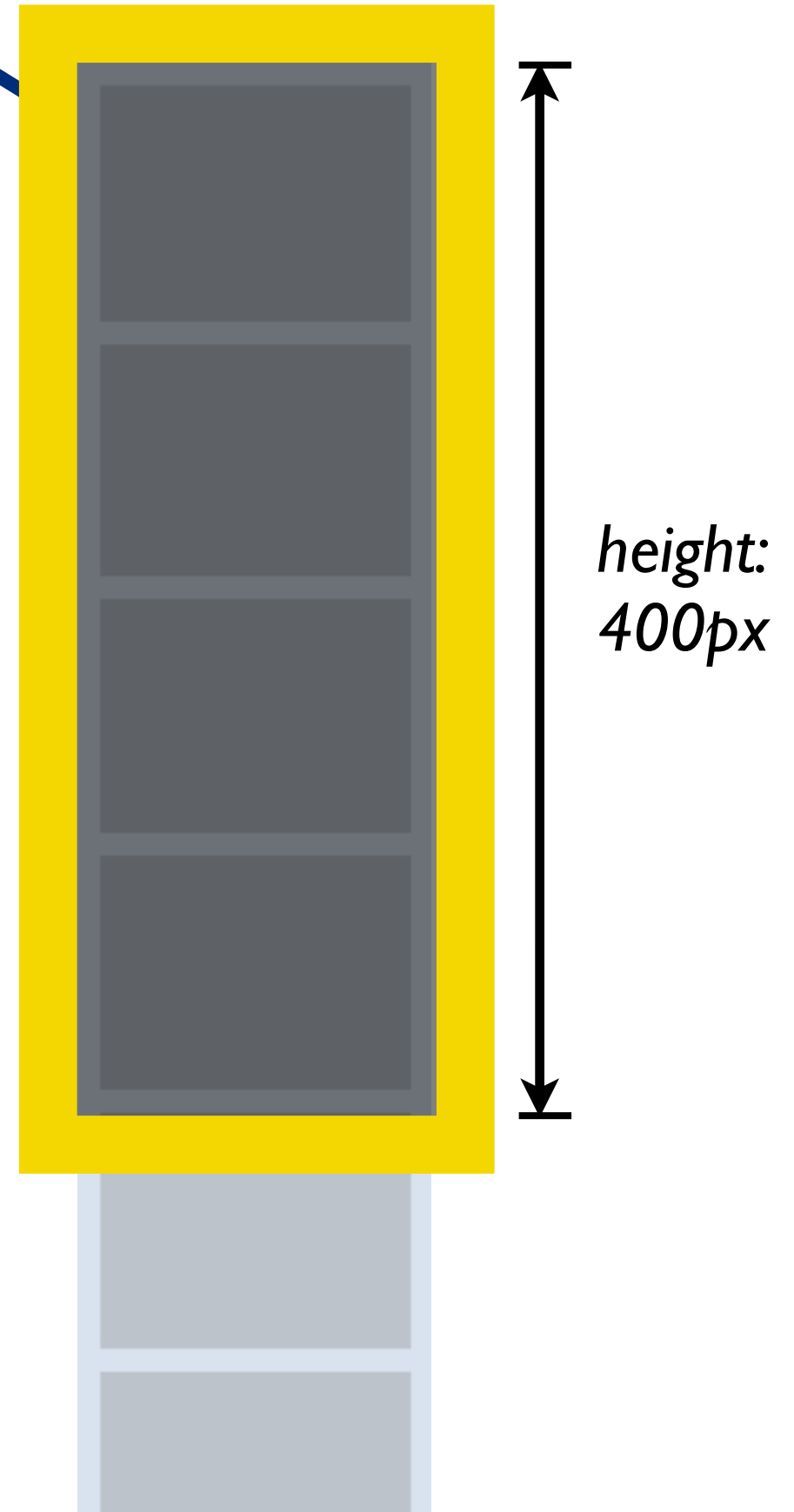


- non-default options
 - ▶ ***width:*** size of viewport
 - ▶ ***height:*** size of viewport
 - ▶ ***items:*** # of visible items in viewport

y: -400

Vertical Example

- ▶ View area has a relative position (as parent)
- ▶ Filmstrip has absolute position
- ▶ Filmstrip begins at $y : 0$
- ▶ Each block of viewable content is a 'page'
- ▶ In this example, one block is $\text{height: } 400\text{px}$
- ▶ Move the filmstrip by a negative amount equal to the size of a block.
- ▶ Equation: $-(\text{page} * \text{height})$



Lecture Activity

download:

studentvfiler/lecture_activities/**jslide**

FSO Videos of SFW

<http://wddbs.com/javascript/sfw/online/>

login: sfw
pass: ilovejs

Course Portal

<http://wddbs.com/javascript/sfw/campus/>

FINAL DELIVERABLE

Due before lab on the last day of class:

- ALL ITEMS ARE DUE.

lastname_firstname_FINAL.zip