

XML

The Universal Data Format

Agenda

- Where we are
- Feedback from Iteration 2
- Learning remix
- Project status
- XML
- Lab

The course in a nutshell

- Agile development
- Web 2.0 and Ajax
 - HTML
 - Javascript
 - HTTP
 - XML
- Three Project Iterations

Iteration 2

- Cross browser incompatibilities
- Are features focused?
- For Iteration 3
 - Must work cross browser
 - Incorporate feedback
 - Bullet proof for public consumption

Learning Remix

- Questions about which features to implement
- Good feedback among groups

XML

- Just another application of the DOM
- Must be well-formed
 - All nodes in a tree structure with one parent
 - One root element
 - Legal element and attribute names

A simple example

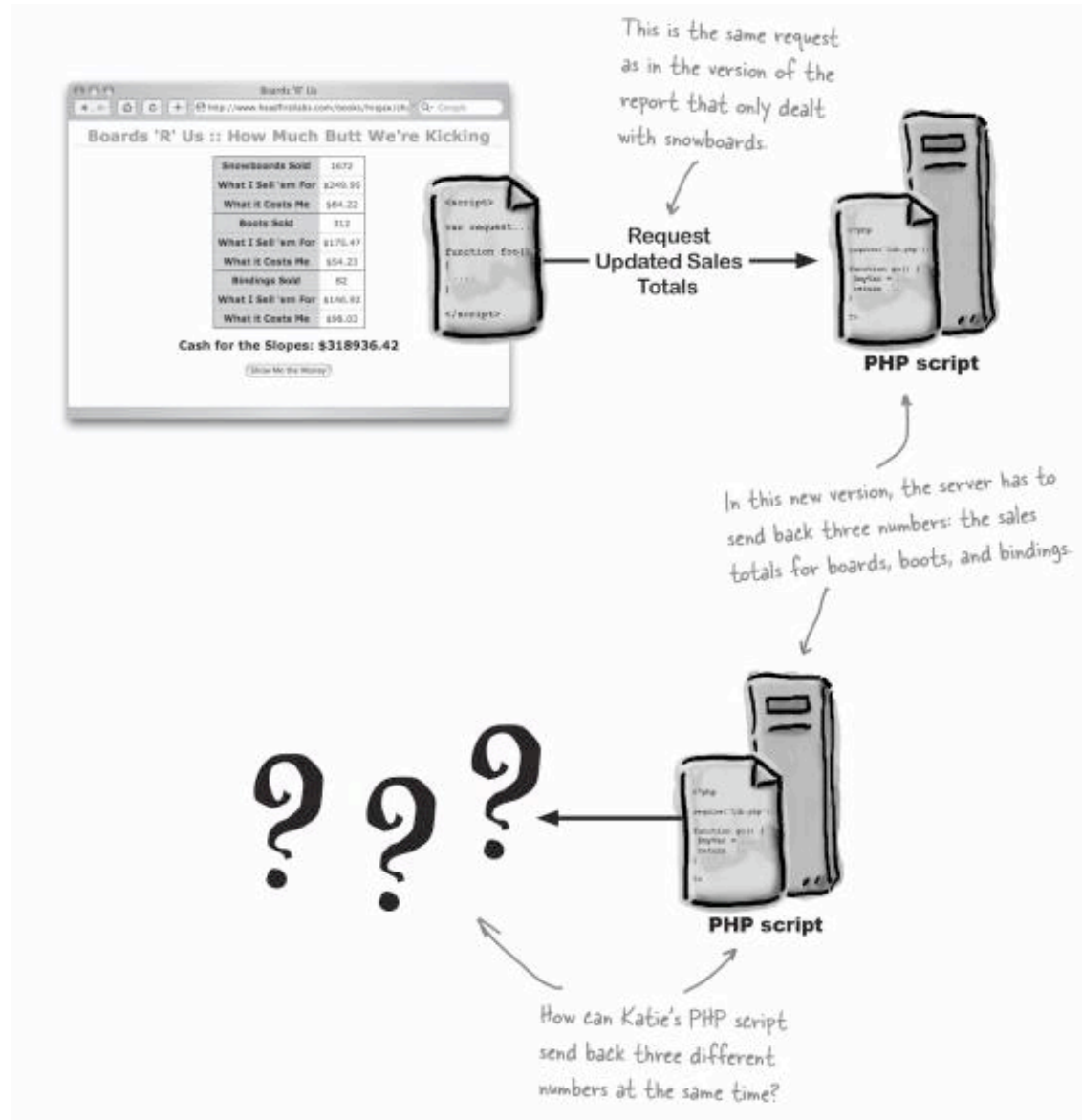
Boards 'R' Us :: How Much Butt We're Kicking

Snowboards Sold	1672
What I Sell 'em For	\$249.95
What it Costs Me	\$84.22
Boots Sold	312
What I Sell 'em For	\$175.47
What it Costs Me	\$54.23
Bindings Sold	82
What I Sell 'em For	\$146.92
What it Costs Me	\$98.03

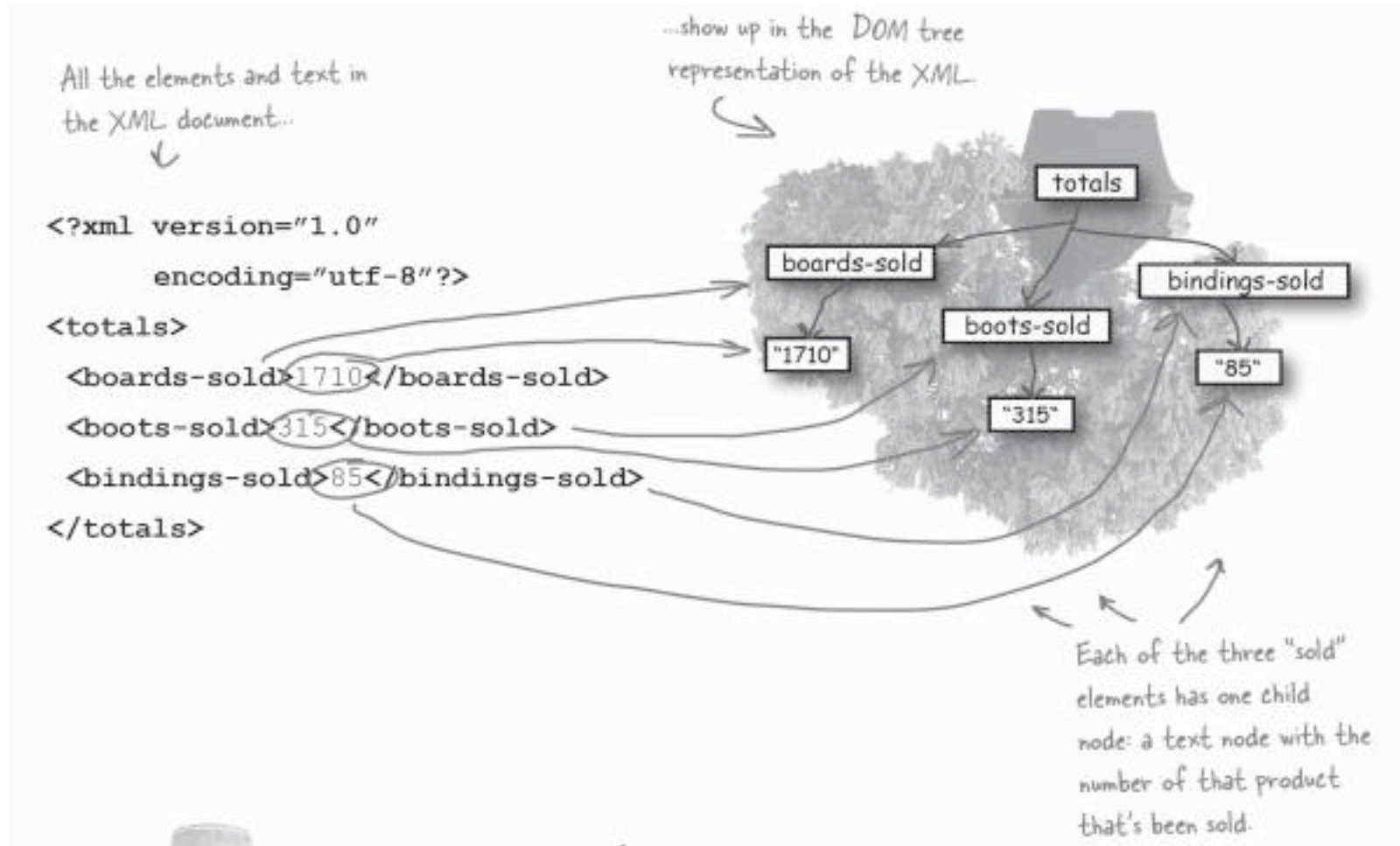
Cash for the Slopes: \$318936.42

Show Me the Money

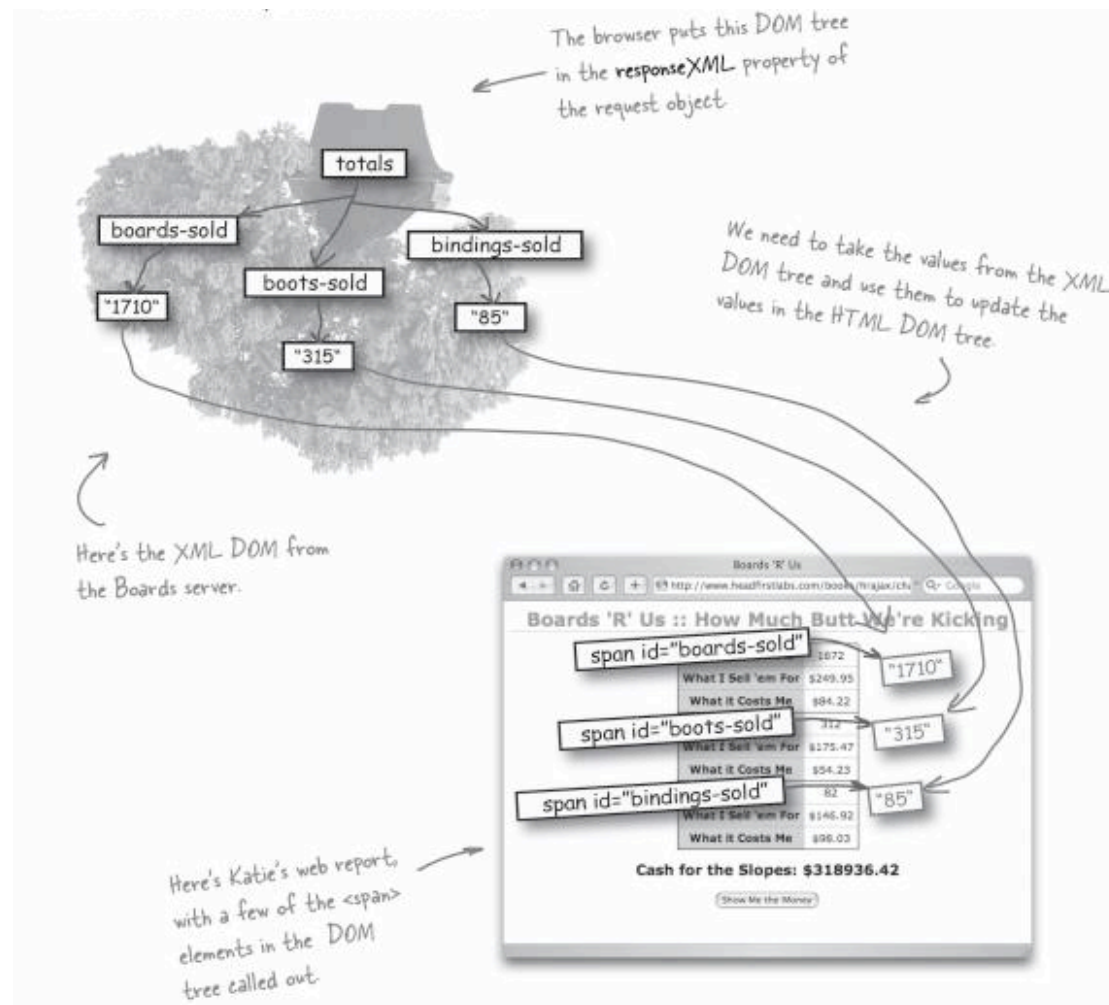
The issue



XML as a DOM Tree



Updating from the DOM



Observations

- Stick with standard DOM functions
 - Work cross browser
 - Won't wreck browser HTML DOM
- The DOM is tedious; alternatives:
 - E4X (Firefox only)
 - JSON (Javascript only; cross browser; see next chapter)