jQuery, Part 2 of 6: Selectors

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Meet the expert: Michael Bibeault has been turning coffee into quality software since 1976 when he starting programming in BASIC on a Control Data Cyber. He is currently an Architect and Technical Lead at a company that manufactures residential gateways and set-top TV boxes. Bear has two Electrical Engineering degrees from the University of Massachusetts and has also taught in the Graduate Computer Engineering Program of that esteemed institution for a decade. Bear has co-authored four books: Ajax in Practice, Prototype and Scriptaculous in Action, jQuery in Action, and jQuery in Action, 2nd edition. He is also currently working on a 5th book with John Resig: Secrets of the JavaScript Ninja.

Prerequisites: Basic knowledge of computer programming in C++, C#, or Java.

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Course description: The jQuery: Selectors course will give a recap of what CSS is then move to basic selectors and then Positional selectors and ending on filters.

Course outline:

Basic Selectors
- Introduction
- A Brief Review
- Adding Elements to Wrapped Set
- Wrapping Specific Elements
- Wrapping Wrapped Elements
- Selecting Elements from the DOM
- Why Re-Invent the Wheel?
- Selector Categories
- Basic Selectors
- Demo: Selectors Page
- Select Everything
- Demo: Select Everything
- Defining the Search Context
- (Back to) Basic Selectors
- Identity Selector
- Class Selector
- Demo: Class Selector
- Descendent Selector
- Demo: Descendant Selector
- Child Selector
- Demo: Child Selector
- Immediate Sibling Selector
- Demo: Immediate Sibling Selector
- General Sibling Selector
- Demo: General Sibling Selector
- Basic Selectors (recap)
- Summary

Attribute Selectors
- Introduction
- Attribute Selectors
- Demo: Attribute Selectors
- Not Value Selector
- Contains Value Selector
- Contains Word Value Selector
- Prefix Value Selector
- Suffix Value Selector
- Hyphened Prefix Value Selector
- Attribute Selectors (recap)
- Summary

Relational Selectors
- Introduction
- Relational Selectors
- Demo: Empty Filter
- Containment Filter
- Demo: Containment Filter
- Location Filter
- Demo: Location Filter
- Less Than Location Filter
- Greater Than Location Filter
- First and Last Location Filters
- Even and Odd Filters
- First and Last Child Filters
- Demo: Child Filters
- Any Child Filter
- Demo: Any Child Filter
- Only Child Filter
- Parent Filter
- Exclusion Filter
- Ancestor Filter
- Relational Selectors (recap)
- Summary

Category Selectors
- Introduction
- Category Selectors
- Button Filter
- Header Filter
- Input Filter
- Type Filter
- Checked Filter
- Selected Filter
- Enabled or Disabled Filter
- Focus Filter
- Hidden and Visible Filter
- Animation Filter
- Category Selectors (recap)
- Combining Selectors
- Summary