

# Using jQuery

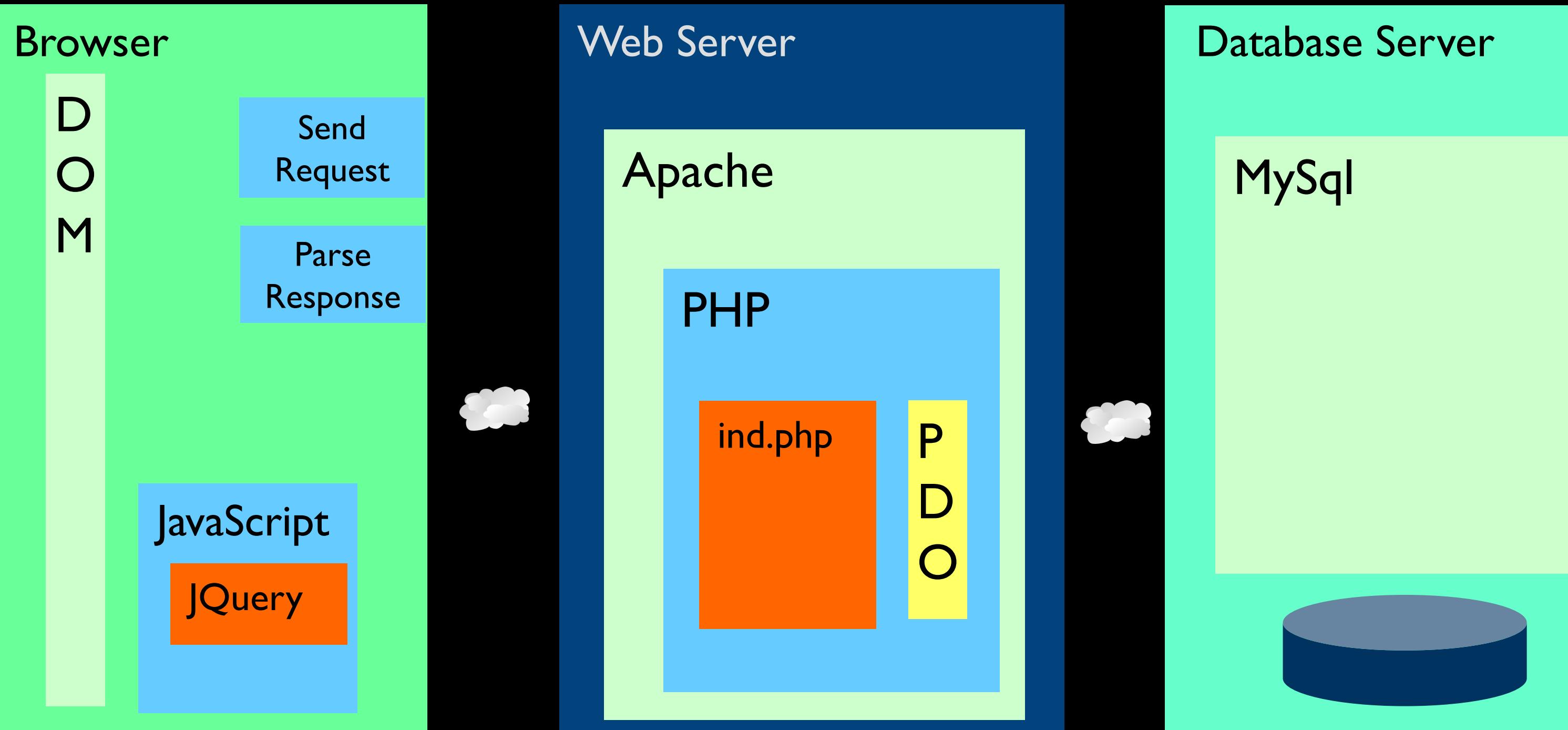
Dr. Charles Severance

[www.wa4e.com](http://www.wa4e.com)

<http://www.wa4e.com/code/jquery-01.zip>



Time

<http://www.wa4e.com/code/rrc/>

# John Resig

- Started jQuery in 2005 to make his web development projects easier
  - Elegant way to select DOM elements
  - Clean way to register events
- Released in 2006
- Works at Khan Academy as the “Dean of Computer Science”



# jQuery Documentation

- The web is a wonderful source of jQuery documentation.

[http://docs.jquery.com/Main\\_Page](http://docs.jquery.com/Main_Page)

<http://api.jquery.com/>

<http://jqueryui.com/demos/>

- This lecture will only cover the basic elements of low-level JQuery.

```
<html>
<head>
</head>
<body>
<p>Here is some awesome page content</p>
<script type="text/javascript" src="jquery.min.js">
</script>
<script type="text/javascript">
$(document).ready(function(){
    alert("Hello jQuery World!");
    window.console && console.log('Hello jQuery..');
});
</script>
</body>
```

jquery-01/hello.php

```
<html>
<head>
</head>
<body>
<script type="text/javascript" src="jquery.min.js">
</script>
<script type="text/javascript">
$(window).resize(function() {
    console.log('.resize() called. width=' +
        $(window).width()+' height='+$window.height());
});
</script>
<p>Here is some awesome page content</p>
</body>
```

jquery-01/resize.php

<http://api.jquery.com/resize/>

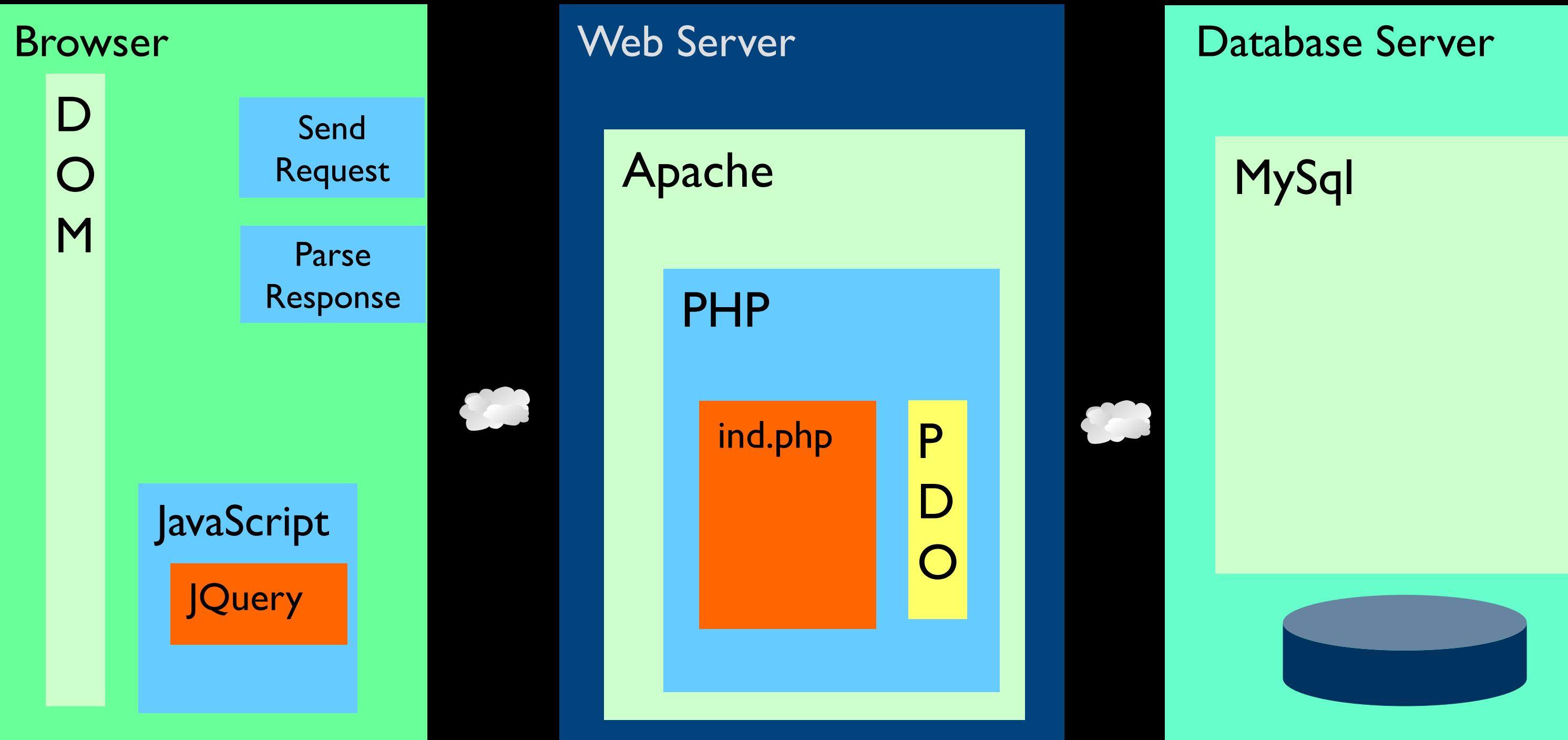
## jquery-01/toggle.php

```
<p id="para">Where is the spinner?  
    
</p>  
<a href="#" onclick="$('spinner').toggle();  
  return false;">Toggle</a>  
  
<a href="#" onclick="$('para').css('background-color', 'red');  
  return false;">Red</a>  
  
<a href="#" onclick="$('para').css('background-color', 'green');  
  return false;">Green</a>
```



# Forms and jQuery

Time

<http://www.wa4e.com/code/rrc/>

```
<?php
sleep(5);
echo('You sent: ' . $_POST['val']);
```

jquery-01/autoecho.php

```
<form id="target">
  <input type="text" name="one" value="Hello there"
        style="vertical-align: middle;"/>
  
</form>
<div id="result"></div>
...
```

jquery-01/autopost.php



```
<script type="text/javascript">
$( '#target' ).change(function(event) {
    $( '#spinner' ).show();
    var form = $( '#target' );
    var txt = form.find('input[name="one"]').val();
    window.console && console.log('Sending POST');
    $.post( 'autoecho.php', { 'val': txt },
        function( data ) {
            window.console && console.log(data);
            $( '#result' ).empty().append(data);
            $( '#spinner' ).hide();
        }
    ).error( function() {
        $( '#target' ).css('background-color', 'red');
        alert("Dang!"); } );
} );
</script>
```

jquery-01/autopost.php

# Summary

- This focused on the mechanics of low-level JQuery.
  - Initialization setup
  - Event handling
  - DOM selection
  - DOM manipulation
  - Handling form data
- Next we will look at how use JSON to read data from the server.

# Acknowledgements / Contributions



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Initial Development: Charles Severance, University of Michigan  
School of Information

Insert new Contributors and Translators here including names and dates

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