

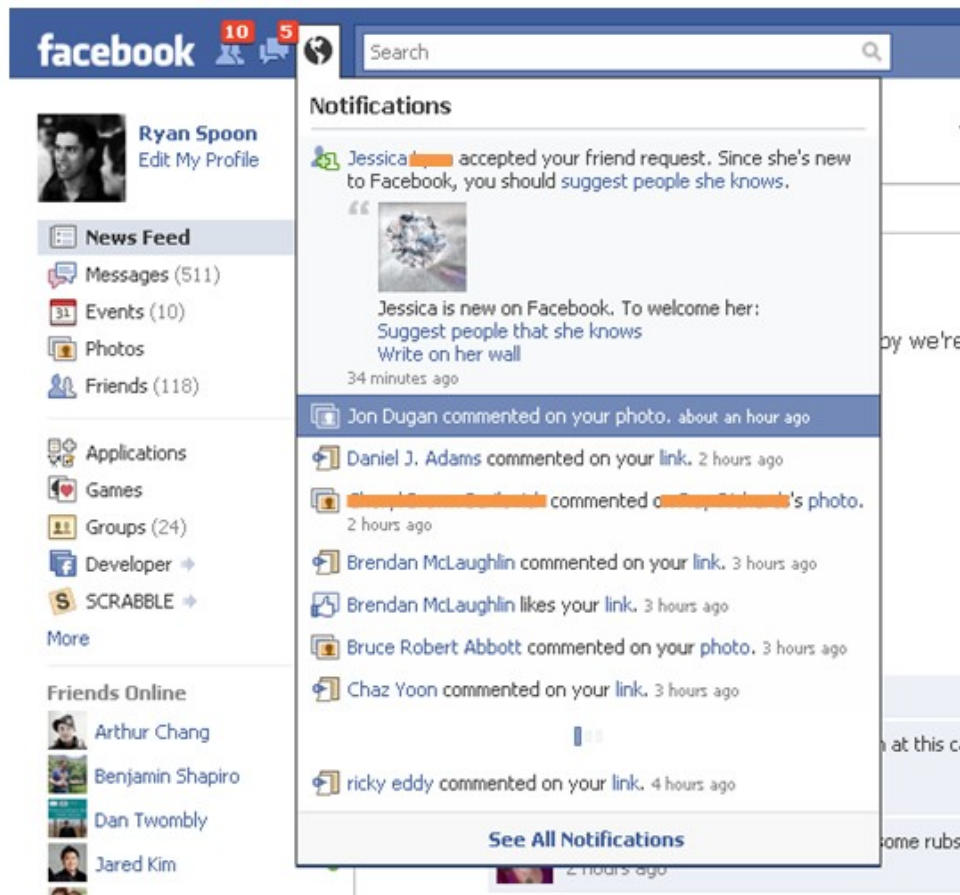
# Pemrograman Web Lanjut

## #06



Go Frendi Gunawan

# AJAX



**AJAX**  
Asynchronous Javascript And XML



# AJAX – Example

Fue|

fuel  
fuel cell  
fuelphp  
fuel injection

Press Enter to search.

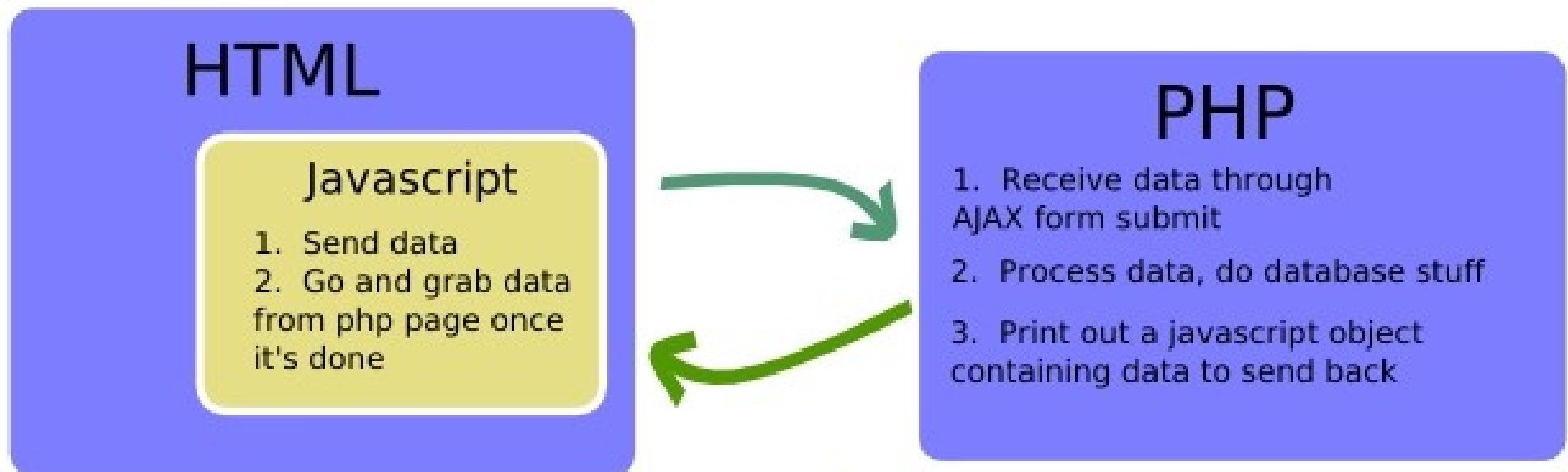


# AJAX

- Asynchronous
  - You don't need to refresh the page to see changes
- Javascript
  - You should know javascript to make it
- XML
  - It uses XML for data transfer (not mandatory)



# AJAX – How it works



# DOM

The image displays a web browser window showing the DOM tree and the corresponding HTML code for `index.html`. The DOM tree on the right lists the structure of the page, including the `body`, `nav`, `nav2`, `masthead`, and `content` areas. The HTML code on the left shows the source code with line numbers. Two boxes with labels `#breadcrumb` and `.center` have arrows pointing to specific elements in the DOM tree and the HTML code.

**HTML Code (Left Panel):**

```
23 <body>
24
25 <!-- START NAVIGATION -->
26 <div id="nav"><div id="nav_inner"><script type="text/javascript">create_menu('
27 <div id="nav2"><a name="top"></a><a href="javascript:void(0);" onclick="myHeig
28 <div id="masthead">
29 <table cellpadding="0" cellspacing="0" border="0" style="width:100%">
30 <tr>
31 <td><h1>CodeIgniter User Guide Version 2.1.2</h1></td>
32 <td id="breadcrumb_right"><a href="toc.html">Table of Contents Page</a>
33 </tr>
34 </table>
35 </div>
36 <!-- END NAVIGATION -->
37
38
39 <table cellpadding="0" cellspacing="0" border="0" style="width:100%">
40 <tr>
41 <td id="breadcrumb">
42 <a href="http://codeigniter.com/">CodeIgniter Home</a> &nbsp;&#82
43 </td>
44 <td id="searchbox"><form method="get" action="http://www.google.com/se
45 </tr>
46 </table>
47
48
49
50 <br clear="all" />
51
52 <div class="center">
56 <div id="content">
57
58
```

**DOM Tree (Right Panel):**

- body
  - !-- #comment
  - < div id=nav
  - < div id=nav2
  - < div id=masthead
    - table cellpadding=0
      - < tr
        - < td
        - < td id=breadcrumb
    - !-- #comment
    - table cellpadding=0
      - < tr
        - < td id=breadcrumb
          - a href=http://cod
        - < td id=searchbox
      - < br clear=all
      - < div class=center
        - img src=images/ci\_log
      - !-- #comment
      - < div id=content
        - < h2
        - < p
        - < h2
        - < p

# JQuery

- Get it here: <http://jquery.com/>
- Be friendly with the documentation:  
[http://docs.jquery.com/Main\\_Page](http://docs.jquery.com/Main_Page)
- Getting started:
  - How JQuery works: [http://docs.jquery.com/How\\_jQuery\\_Works](http://docs.jquery.com/How_jQuery_Works)
  - More: [http://docs.jquery.com/Tutorials:Getting\\_Started\\_with\\_jQuery](http://docs.jquery.com/Tutorials:Getting_Started_with_jQuery)
- Important references:
  - Complete selector guide: <http://api.jquery.com/category/selectors/>
  - AJAX: <http://api.jquery.com/category/ajax/>



# AJAX with JQuery

```
<head>
```

```
<script type="text/javascript" src="jquery.js"></script>
```

```
<script type="text/javascript">
```

```
$(document).ready(function(){
```

```
  $("#input_keyword").keyup(function(){
```

```
    $.ajax({
```

```
      url: "blog/get_content",
```

```
      type: "POST",
```

```
      data: {"keyword": $("#input_keyword").val()},
```

```
      success: function(response){
```

```
        $("#result").html(response);
```

```
      }
```

```
    });
```

```
  });
```

```
});
```

```
</script>
```

```
</head>
```

```
<body>
```

```
<input id= "input_keyword"></input>
```

```
<div id="result"></div>
```

```
</body>
```

*\$\_POST["keyword"]*



**blog/get\_content**



It's your turn



# Thank you

