



Information Technology Program
Faculty of Engineering
Udayana University

Web Programming: jQuery

by: I Putu Arya Dharmadi, S.T., M.T.



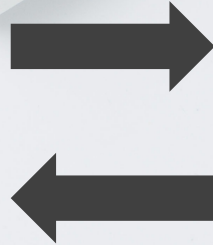
What JQuery is



Client Side



Server Side





What is jQuery?

“a fast, small, and
feature-rich **JavaScript
library**”

```
$( "button.continue" ).html( "Next Step..." );

var hiddenBox = $( "#banner-message" );
$( "#button-container button" ).on( "click", function( event ) {
    hiddenBox.show();
});

$.ajax({
    url: "/api/getWeather",
    data: {
        zipcode: 97201
    },
    success: function( result ) {
        $( "#weather-temp" ).html( result + " degrees" );
    }
});
```

What can **jQuery** do?



Simplify JavaScript: Manipulate HTML

```
$( "#continue" ).html( "Next Step..." );
```

```
$ ( '.header' ).text( 'Test' );
```

```
var str = $( "p" ).first().text();
```

```
alert( $( "#single" ).val() );
```

See <https://jquery.com> for more examples.

What can **jQuery** do?



Simplify JavaScript: **Events Handling**

```
$("#btnA" ).on( "click", function( event ) {  
    // action  
});  
  
$( "li" ).hover(  
    function() {  
        $( this ).append("on hover");  
    }  
);
```

What can **jQuery** do?



Special Effects

```
$( "#book" ).fadeIn( "slow" );
```

```
$( "span" ).hide( 2000 );
```

```
$( ".content" ).slideDown( "slow" );
```

What can **jQuery** do?



AJAX

```
$.ajax({  
  url: "/api/getWeather",  
  data: {  
    zipcode: 97201  
  },  
  success: function( result ) {  
    $("#weather-temp").html(result+"degrees");  
  }  
});
```




JQuery Usage

How to use JQuery to HTML



#BlackLivesMatter

To Donate, see this [list of organizations to support](#) from [Reclaim the Block](#)



Your donations help fund the continued development and growth of jQuery.

SUPPORT THE PROJECT

- Download
- API Documentation
- Blog
- Plugins
- Browser Support

Search



Lightweight Footprint

Only 30kB minified and gzipped. Can also be included as an AMD module



CSS3 Compliant

Supports CSS3 selectors to find elements as well as in style property manipulation



Cross-Browser

Chrome, Edge, Firefox, IE, Safari, Android, iOS, and more



Download jQuery v3.5.1

The 1.x and 2.x branches no longer receive patches.

[View Source on GitHub →](#)
[How jQuery Works →](#)

Attach JQuery to Your HTML Documents



Option #1

Use online resources

```
1 ▼ <html>
2 ▼   <head>
3       <script src="https://code.jquery.com/jquery-3.5.1.min.js" integrity="sha256-
4       9/aliU8dGd2tb60SsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>
5       <script src="bootstrap-4.5.3-dist/js/bootstrap.min.js"></script>
6       <script src="contoh.js"></script>
7       <link href="bootstrap-4.5.3-dist/css/bootstrap.min.css" rel="stylesheet"
8       type="text/css">
9       <link href="contoh.css" rel="stylesheet" type="text/css">
10      </head>
11      <body>
```

Attach JQuery to Your HTML Documents



Option #2

Download the resources

```
1 ▼ <html>
2 ▼   <head>
3       <script src="jquery-3.5.1.slim.min.js"></script>
4       <script src="bootstrap-4.5.3-dist/js/bootstrap.min.js"></script>
5       <script src="contoh.js"></script>
6       <link href="bootstrap-4.5.3-dist/css/bootstrap.min.css" rel="stylesheet"
7         type="text/css">
8       <link href="contoh.css" rel="stylesheet" type="text/css">
9   </head>
10  <body>
```

Use JQuery on External JS File



```
1  var isHide = false;
2
3  ▼ $( document ).ready(function() {
4  ▼      $( "#mouse-over" ).on( "click", function( event ) {
5  ▼          if (isHide){
6              $('#header').slideDown('slow');
7              isHide = false;
8  ▼          }else{
9              $('#header').slideUp('slow');
10             isHide = true;
11         }
12     });
13 });
```


Discussion



Any Question?



REFERENCES

<https://jquery.com/>

