

JQuery UI & Mobile

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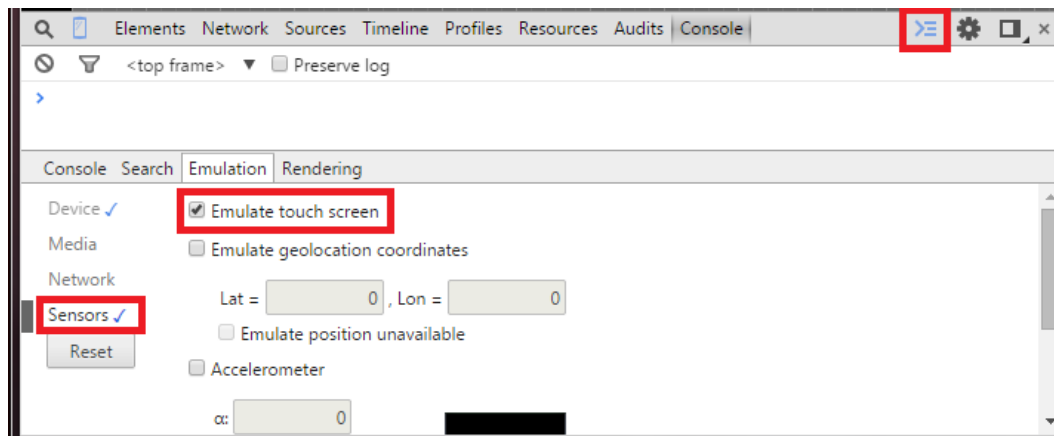
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Overview

- JQuery does a lot more than the DOM, including:
 - effects and animations
- There are UI frameworks built on JQuery, including:
 - JQuery UI
 - JQuery Mobile

Emulating mobile & touch screen

- You'll need to make sure that you're emulating touch screen to handle swipe events



JQuery effects and animation

- JQuery also does effects:
 - hide / show
 - fade / slide
 - animations
- In practice, most web developers favor CSS3 to JQuery for transitions and animations.
- To use JQuery, you must include it from a CDN or download the file and include the local file.:
 - <http://jquery.com/download/>

- filename: **jquery-1.x.x.js**

JQuery UI framework

- Ref:
 - [jQuery UI Demos](#)
- "jQuery UI is a curated set of user interface interactions, effects, widgets, and themes built on top of the jQuery JavaScript Library."
- For more information visit the resources above.
- To use JQuery UI you must download the zipped package:
 - <http://jqueryui.com/download/all/>
 - make sure the version matches your JQuery version
 - the package includes a demo index.html
 - you need to include these files in your project: **jquery-ui.js** and **jquery-ui.css**

JQuery Mobile

- Ref:
 - [jQuery Mobile Demos](#)
 - W3Schools [jQuery Mobile Tutorial](#)
- "jQuery Mobile is a HTML5-based user interface system designed to make responsive web sites and apps that are accessible on all smartphone, tablet and desktop devices."
- To use JQuery mobile you can use the CDN or download and include local files (recommended)
 - <http://jquerymobile.com/download/>
 - files: **jquery-mobile-1.4.x.js** and **jquery-mobile-1.4.x.css**

Page structure

- JQuery mobile uses page divs to allow you to have multiple pages in a single HTML file.
- It's really important to keep your HTML file "neat" and mind your indentation levels.
- I find it helpful to put a comment line in between each page div.

```
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet"
href="http://code.jquery.com/mobile/1.4.4/jquery.mobile-1.4.4.min.css">
<script src="http://code.jquery.com/jquery-1.11.1.min.js"></script>
<script
src="http://code.jquery.com/mobile/1.4.4/jquery.mobile-1.4.4.min.js"></script>
</head>
<body>
<!------->
<div data-role="page" id="page1">
```

```
        <!-- PAGE1 CONTENT HERE -->

</div>
<!------->
<div data-role="page" id="page2">

        <!-- PAGE2 CONTENT HERE -->

</div>
<!------->
</body>
```

Swipes

- JQuery mobile adds support for swipe events are similar
- you can bind swipe events to specific elements or to the HTML <body>
- JQuery code:

```
// bind a function to swipeleft on the body
$('body').on( 'swipeleft', function(){
    console.log('swiped left')
})
```