

CIS 4004: Web Based Information Technology Summer 2014

Using jQuery – Part 2

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Using The jQuery User Interface

- Now that you're a bit more familiar with jQuery and how to access and use it, let's look at the jQuery User Interface, or the jQuery UI.
- The jQuery UI is a free, open-source, JavaScript library that extends the usefulness of the jQuery library by providing higher-level features that you can use with a minimum of coding. To provide these features, the jQuery UI utilizes the jQuery library.
- The next page shows the jQuery UI home page at www.jqueryui.com. Current version of jQuery UI is 1.11.0.





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Interactions

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Widgets

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jQuery UI is a curated set of user interface interactions, effects, widgets, and themes built on top of the jQuery JavaScript Library. Whether you're building highly interactive web applications or you just need to add a date picker to a form control, jQuery UI is the perfect choice.

Download jQuery UI
1.11.0

[Custom Download](#)

Quick Downloads:

Stable v1.11.0 jQuery 1.6+	Legacy v1.10.4 jQuery 1.6+
--	--



The jQuery UI

- The jQuery UI home page summarizes the four types of features that the jQuery UI provides.
- Themes provide the formatting for widgets, and they are implemented by a CSS style sheet that is part of the jQuery UI download. When you build a download (described later), you can select one of the 24 pre-defined themes that come with jQuery UI , or you can create your own custom theme.
- Widgets are features like accordions, tabs, and date pickers.



The jQuery UI

- The following few pages summarize most of the components that are supported by jQuery UI.
- When you build a jQuery UI download, you decide which of these components you want to use in your web pages. The fewer you choose, the smaller the jQuery UI files that have to be loaded into a user's browser.
- The core jQuery UI component is divided into core, widget, mouse, and position. Core is always required when you use jQuery UI. Widget is required if you use widgets. Mouse is required if you use interactions. Position is required if you use elements that require positioning relative to other elements on a web page.



The jQuery UI

Name	Description
Core	Provides the core functionality. Required for all interactions and widgets.
Widget	Provides the base functionality for all widgets.
Mouse	Provides the base functionality for all interactions that require the mouse.
Position	Required for all interactions that require the positioning of elements.

jQuery UI core components



The jQuery UI

Name	Description
Accordion	An accordion.
Autocomplete	A text box that displays a list of suggested items based on user entries.
Button	A customizable button.
Dialog	A modal dialog box that is resizable and draggable.
Slider	A slider that can display a range of values.
Tabs	A set of tabs that reveals a tab's content when the tab is clicked.
Datepicker	A calendar that can be toggled from a textbox or displayed inline.
Progressbar	A status indicator that can be used to display progress or percentage values.

jQuery UI widgets (currently there are 12)



The jQuery UI

Name	Description
Draggable	Makes an element on a web page draggable.
Droppable	Defines a target that draggable objects can be dropped within.
Resizable	Makes an element on a web page resizable.
Selectable	Makes an element selectable with a mouse.
Sortable	Makes a list of items sortable.

jQuery UI interactions



Name	Description
Effects core	Required for all of the effects.
Blind	Creates a blind effect similar to vertical blinds on a window.
Bounce	Bounces an element up or down.
Clip	Clips the element on and off.
Drop	Moves an element in one direction and hides it at the same time.
Explode	Explodes an element in all directions. Also supports imploding.
Fade	Fades the element in an out.
Fold	Folds an element horizontally then vertically.
Highlight	Highlights an element's background with a color for a specified time.
Pulsate	Pulsates an element for a certain amount of time by changing the opacity.
Scale	Grows or shrinks an element and its content.
Shake	Shakes an element up or down to side to side for a specified time.
Slide	Slides an element in and out of the screen.
Transfer	Transfers an element from one element to another.

jQuery UI effects



The jQuery UI

- The power of the jQuery UI interactions is that they can be applied to any HTML element.
- For example, you can make the items in an unordered list sortable, or you can make a row within a table selectable.
- The jQuery UI effects can be used with interactions and widgets.
- For example, an effect can be used to control how a new tab is displayed in a Tabs widget.
- The jQuery UI effects can also be used with HTML elements that are not part of jQuery UI.



How To Build And Use A jQuery UI Download

- In contrast to a jQuery download, (which I hope you've already done), you have to build a jQuery UI download before you download it.
- That lets you select the components for the download, which allows you to keep the download to the minimum size that you need for your webpage.
- The next page shows the Download Builder page for the jQuery UI.
- To get to this page, click the Download link from the jQuery UI home page at www.jqueryui.com.





Download Builder

Quick downloads: [Stable \(Themes\) \(1.11.0: for jQuery1.6+\)](#) | [Legacy \(Themes\) \(1.10.4: for jQuery1.6+\)](#) | [Legacy \(Themes\) \(1.9.2: for jQuery1.6+\)](#)
[All jQuery UI Downloads](#)

Version

- 1.11.0** (Stable, for jQuery1.6+)
- 1.10.4** (Legacy, for jQuery1.6+)
- 1.9.2** (Legacy, for jQuery1.6+)

Components

Toggle All



How To Build And Use A jQuery UI Download

- From the Download Builder page, you select the components that you want in the download. This page includes a Components list, a drop-down Theme list, and a Download button.
- The Components list includes all of the components in the four groups that we looked at on the previous pages.
- Initially, all of the components are selected. This results in a JavaScript library that is approximately 200KB in size. To reduce the size, uncheck the components that you do not need for your webpage.
- Note that you cannot uncheck a component that is required by another component that you are using.



How To Build And Use A jQuery UI Download

- If you attempt to deselect a component used by another component, a message will display indicating that both components will be deleted. This would happen, for example, if you try to uncheck the Draggable component without first unchecking the Droppable and Dialog components because these components depend on the Draggable component.
- For many webpages, you can probably uncheck most of the interactions and effects. For example, if you're only going to use the Dialog widget, you can uncheck all of the other widgets, the interactions, and the effects.
- For the time being, since we're demonstrating many of these elements, we'll leave all components checked.




How To Build And Use A jQuery UI Download

- Once you've selected the components you want, you can select a theme from the 24 that are in the drop-down Theme list, or choose No Theme.
- Optionally, you can create a custom theme, which, if you click on the “design a custom theme” link, you'll be redirected to the ThemeRoller page, which is shown on the next page.
- You can specify the name of the folder that your theme will be saved in. Otherwise, the folder for the theme will be given a default name.
- In addition, you can set the scope of the theme. You'll do this if you want to apply different themes to different areas of the page.



ThemeRoller

ThemeRoller 

Roll Your Own Gallery Help

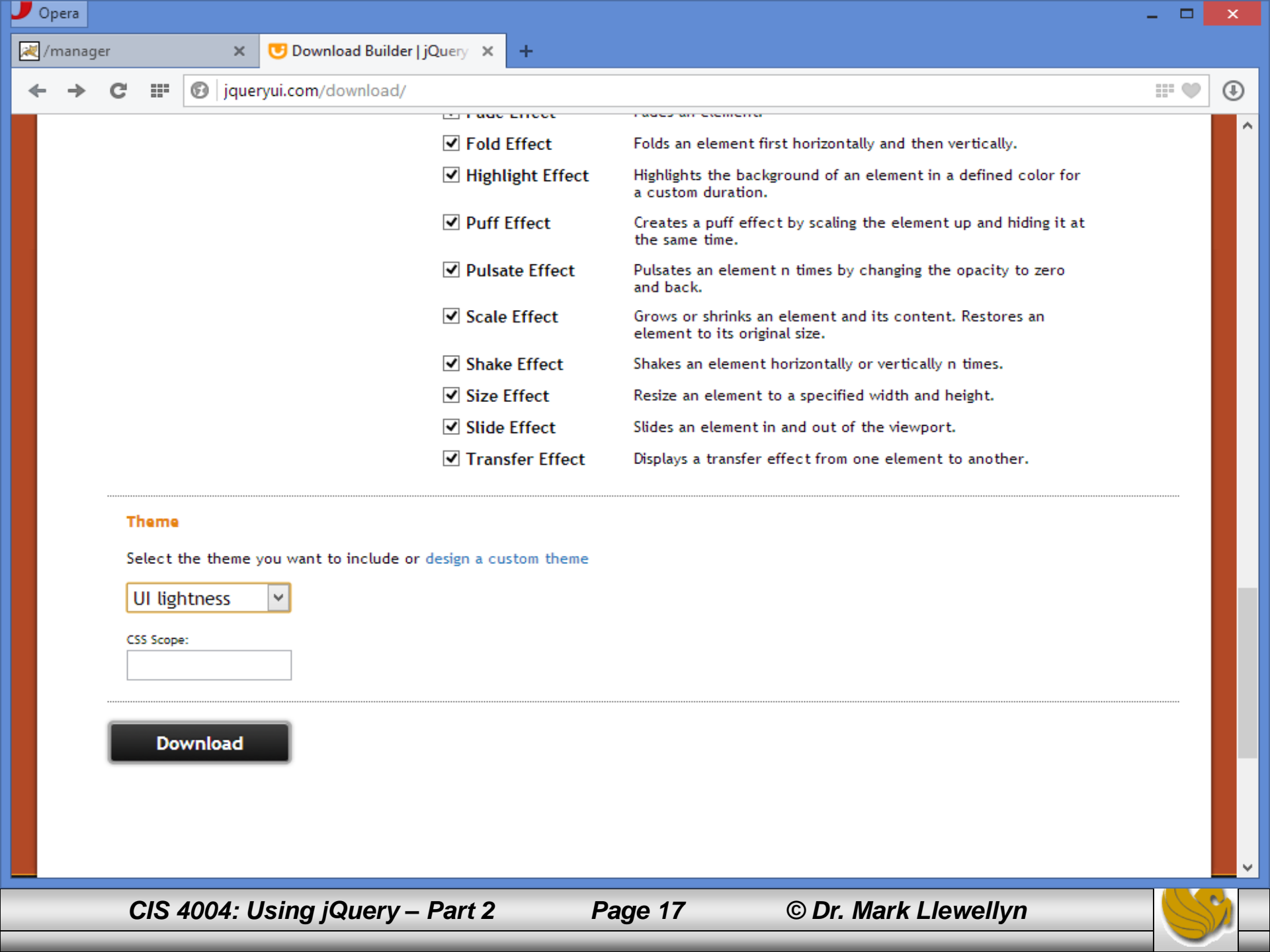
Download theme

- Font Settings
- Corner Radius
- Header/Toolbar abc
- Content abc
- Clickable: default state abc
- Clickable: hover state abc
- Clickable: active state abc
- Highlight abc
- Error abc
- Modal Screen for Overlays
- Drop Shadows

Reverse page background color

Accordion

Button



- Fold Effect Folds an element first horizontally and then vertically.
- Highlight Effect Highlights the background of an element in a defined color for a custom duration.
- Puff Effect Creates a puff effect by scaling the element up and hiding it at the same time.
- Pulsate Effect Pulsates an element n times by changing the opacity to zero and back.
- Scale Effect Grows or shrinks an element and its content. Restores an element to its original size.
- Shake Effect Shakes an element horizontally or vertically n times.
- Size Effect Resize an element to a specified width and height.
- Slide Effect Slides an element in and out of the viewport.
- Transfer Effect Displays a transfer effect from one element to another.

Theme

Select the theme you want to include or [design a custom theme](#)

UI lightness

CSS Scope:

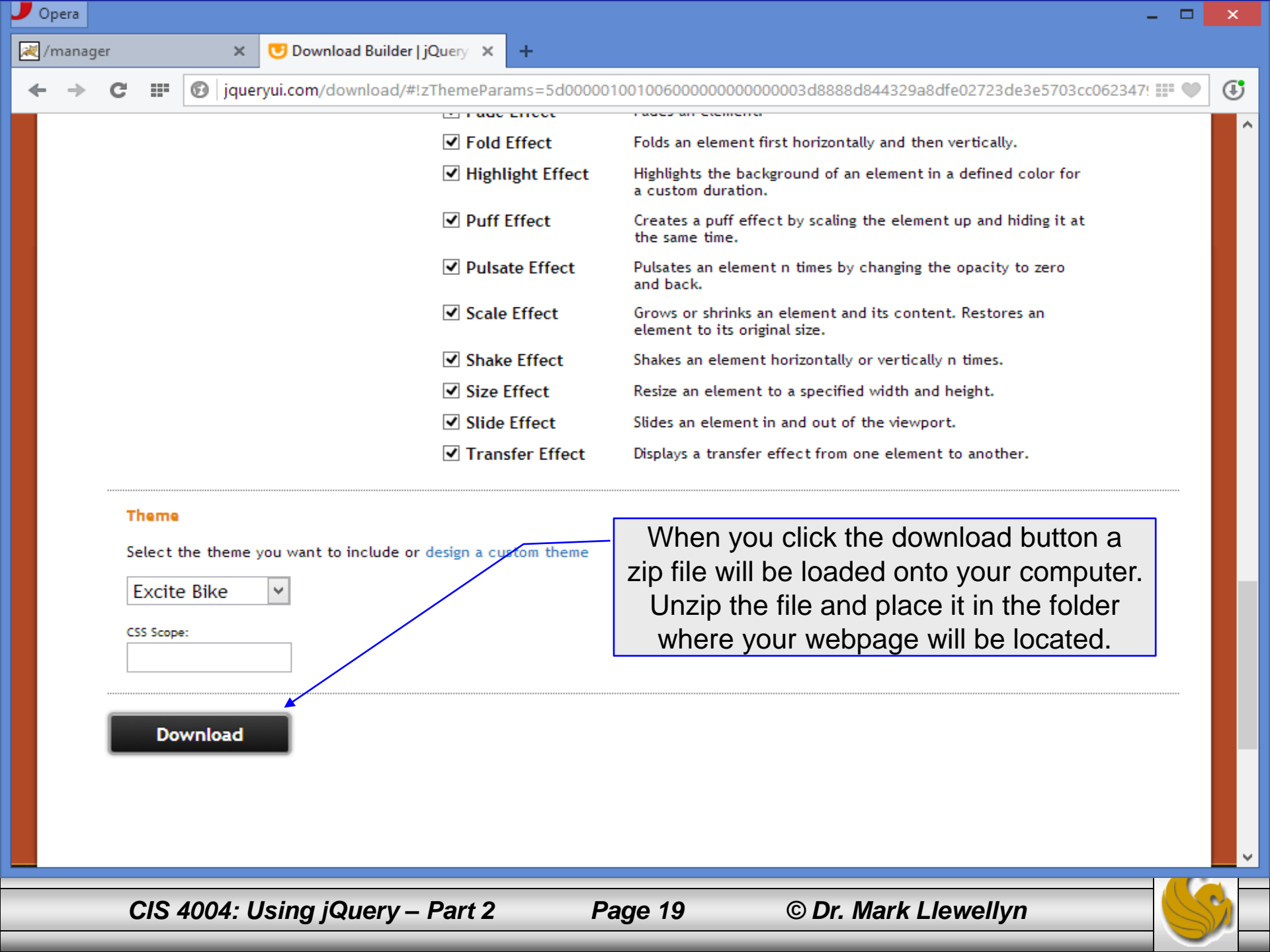
Download



How To Build And Use A jQuery UI Download

- Once you're confident that you have all the component selected and the themes set the way you want, you click the Download button , which will download a zipped folder to your computer.
- You can then unzip the folder to use the files it contains in your applications.
- Let's actually do this for the remaining examples in this set of notes.
- We'll leave all the component selected and pick one of the built-in themes (I used the excite-bike theme).





- Fold Effect Folds an element first horizontally and then vertically.
- Highlight Effect Highlights the background of an element in a defined color for a custom duration.
- Puff Effect Creates a puff effect by scaling the element up and hiding it at the same time.
- Pulsate Effect Pulsates an element n times by changing the opacity to zero and back.
- Scale Effect Grows or shrinks an element and its content. Restores an element to its original size.
- Shake Effect Shakes an element horizontally or vertically n times.
- Size Effect Resize an element to a specified width and height.
- Slide Effect Slides an element in and out of the viewport.
- Transfer Effect Displays a transfer effect from one element to another.

Theme

Select the theme you want to include or [design a custom theme](#)

Excite Bike ▾

CSS Scope:

Download

When you click the download button a zip file will be loaded onto your computer. Unzip the file and place it in the folder where your webpage will be located.



How To Build And Use A jQuery UI Download

- As you can see on the next page, the download is organized into two main folders (external and images), plus an `index.html` file and all of the jQuery files.
- The `index.html` file displays a page that showcases the jQuery UI components that you selected in your download.
- For our download, part of the `index.html` file is displayed on page 22.



The screenshot shows a Windows File Explorer window titled "jquery-ui-1.11.0.custom". The address bar shows the path: \ll jQuery - Part 2 > jquery-ui-1.11.0.custom > jquery-ui-1.11.0.custom. The left sidebar shows the "Favorites" pane with "Desktop", "Downloads", "Recent places", and "Courses". The "Libraries" pane shows "Documents", "Music", "Pictures", and "Videos". The "Computer" pane shows "OS (C:)" and "DATA (D:)", with "11 items" and "1 item selected" at the bottom.

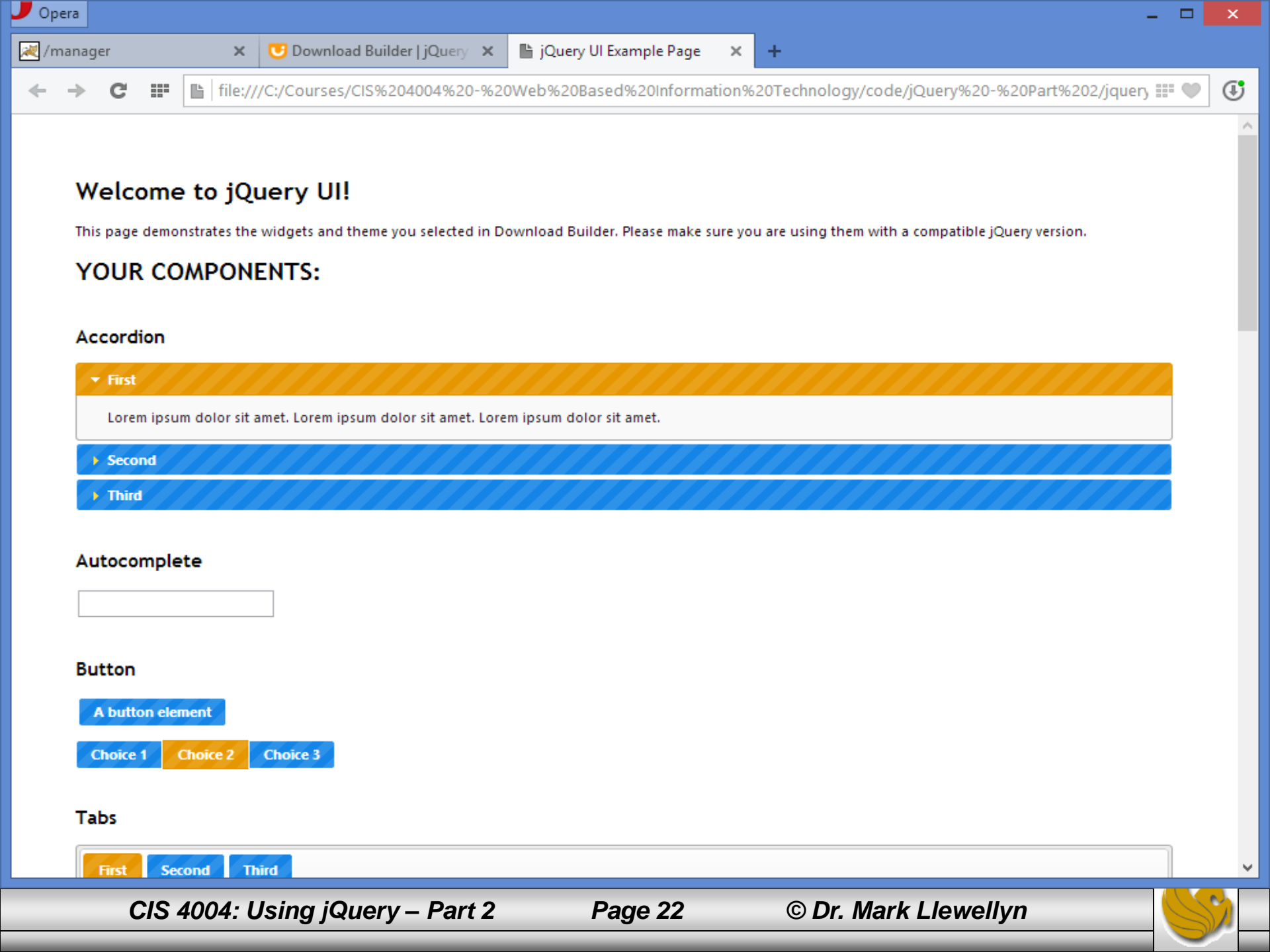
The main pane displays a table of files and folders:

Name	Date modified	Type	Size
external	7/21/2014 2:09 PM	File folder	
images	7/21/2014 2:09 PM	File folder	
index	7/21/2014 2:09 PM	Opera Web Docu...	31 KB
jquery-ui	7/21/2014 2:09 PM	Cascading Style S...	33 KB
jquery-ui	7/21/2014 2:09 PM	JavaScript File	451 KB
jquery-ui.min	7/21/2014 2:09 PM	Cascading Style S...	28 KB
jquery-ui.min	7/21/2014 2:09 PM	JavaScript File	232 KB
jquery-ui.structure	7/21/2014 2:09 PM	Cascading Style S...	16 KB
jquery-ui.structure.min	7/21/2014 2:09 PM	Cascading Style S...	13 KB
jquery-ui.theme	7/21/2014 2:09 PM	Cascading Style S...	17 KB
jquery-ui.theme.min	7/21/2014 2:09 PM	Cascading Style S...	14 KB

A blue arrow points from the "index" file to a callout box:

The contents of the downloaded zip file when unzipped. Notice the sample HTML file named index.html.





Welcome to jQuery UI!

This page demonstrates the widgets and theme you selected in Download Builder. Please make sure you are using them with a compatible jQuery version.

YOUR COMPONENTS:

Accordion

▼ First
Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet.

▶ Second

▶ Third

Autocomplete

Button

A button element

Choice 1 Choice 2 Choice 3

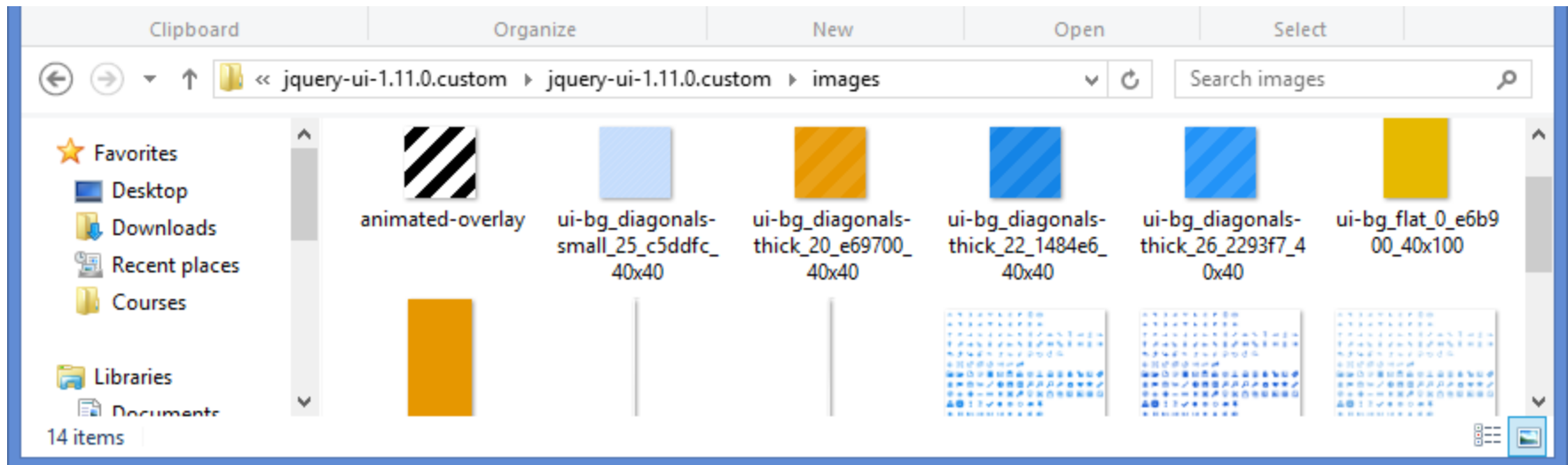
Tabs

First Second Third



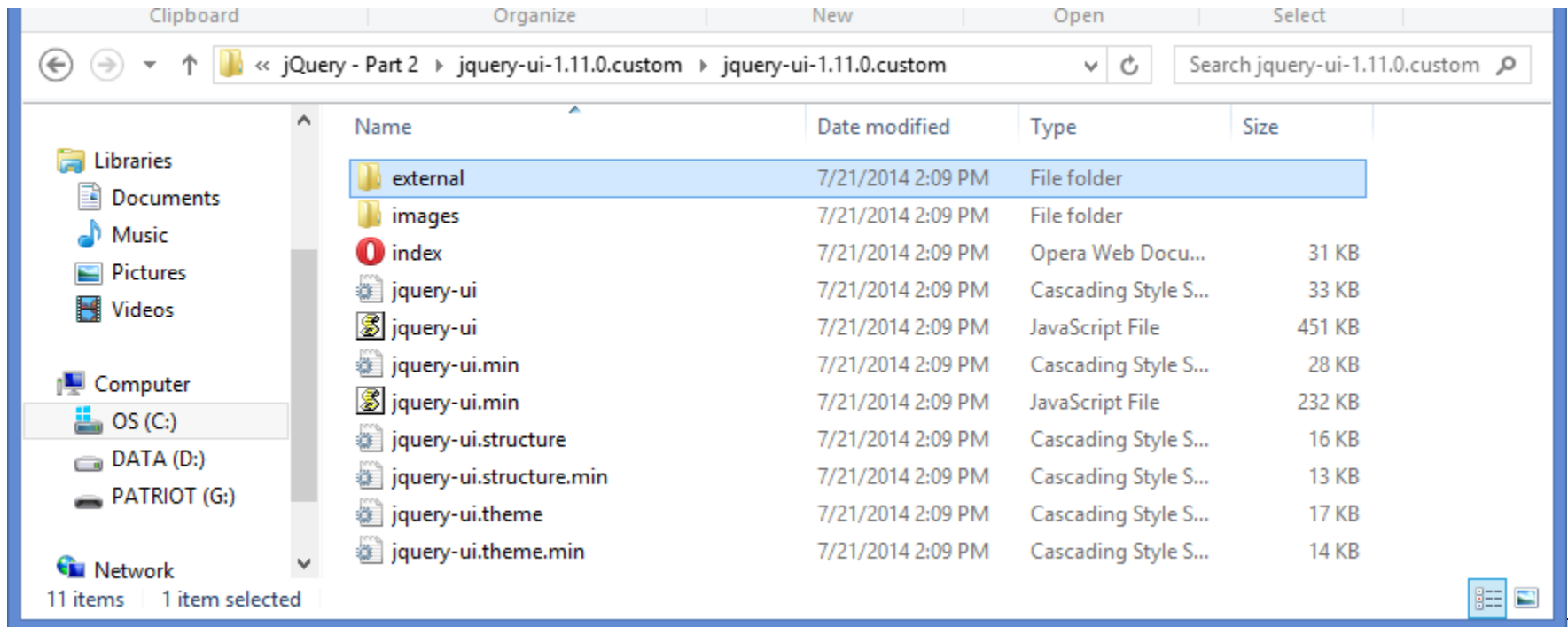
How To Build And Use A jQuery UI Download

- The `css` files in the main folder included in the download includes a CSS style sheet for the theme you chose, as well as the images required by the widgets including arrows, icons, backgrounds, and more.
- This style sheet are in the root directory and the images folder contains all of the images associated with your theme.



How To Build And Use A jQuery UI Download

- The `external` folder contains the latest jQuery library. However, you should already have the latest jQuery library, or you may be using a CDN hosted version, so you will only need the jQuery UI files for your webpage.



How To Build And Use A jQuery UI Download

- Once you've downloaded the files, you should use any text editor or IDE to open the CSS file and look at the classes that are supported for the various widgets that you will use in your webpage.
- The next page illustrates a very small portion of the CSS file for our download.
- Note, that while these styles are applied to the widgets, you can also apply them to format your own HTML elements.



```

1  /*!
2   * jQuery UI CSS Framework 1.11.0
3   * http://jqueryui.com
4   *
5   * Copyright 2014 jQuery Foundation and other contributors
6   * Released under the MIT license.
7   * http://jquery.org/license
8   *
9   * http://api.jqueryui.com/category/theming/
10  */
11
12  /* Layout helpers
13  -----*/
14  .ui-helper-hidden {
15      display: none;
16  }
17  .ui-helper-hidden-accessible {
18      border: 0;
19      clip: rect(0 0 0 0);
20      height: 1px;
21      margin: -1px;
22      overflow: hidden;
23      padding: 0;
24      position: absolute;
25      width: 1px;
26  }

```

How To Build And Use A jQuery UI Download

- To use the required files and the image folder your webpage/application, you would create a folder structure that mirrors that of the download and include link and script elements in the markup to access these files.
- Let's develop a complete webpage that make use of the jQuery UI download that we just created.
- Let's develop a webpage that illustrates/uses the very first widget shown in the index.html file, the accordion.
- The next few pages illustrate the html file and the folder structure necessary to build this webpage.
- First, create a folder named “accordion” and place the files from the download in it as shown on the next page.



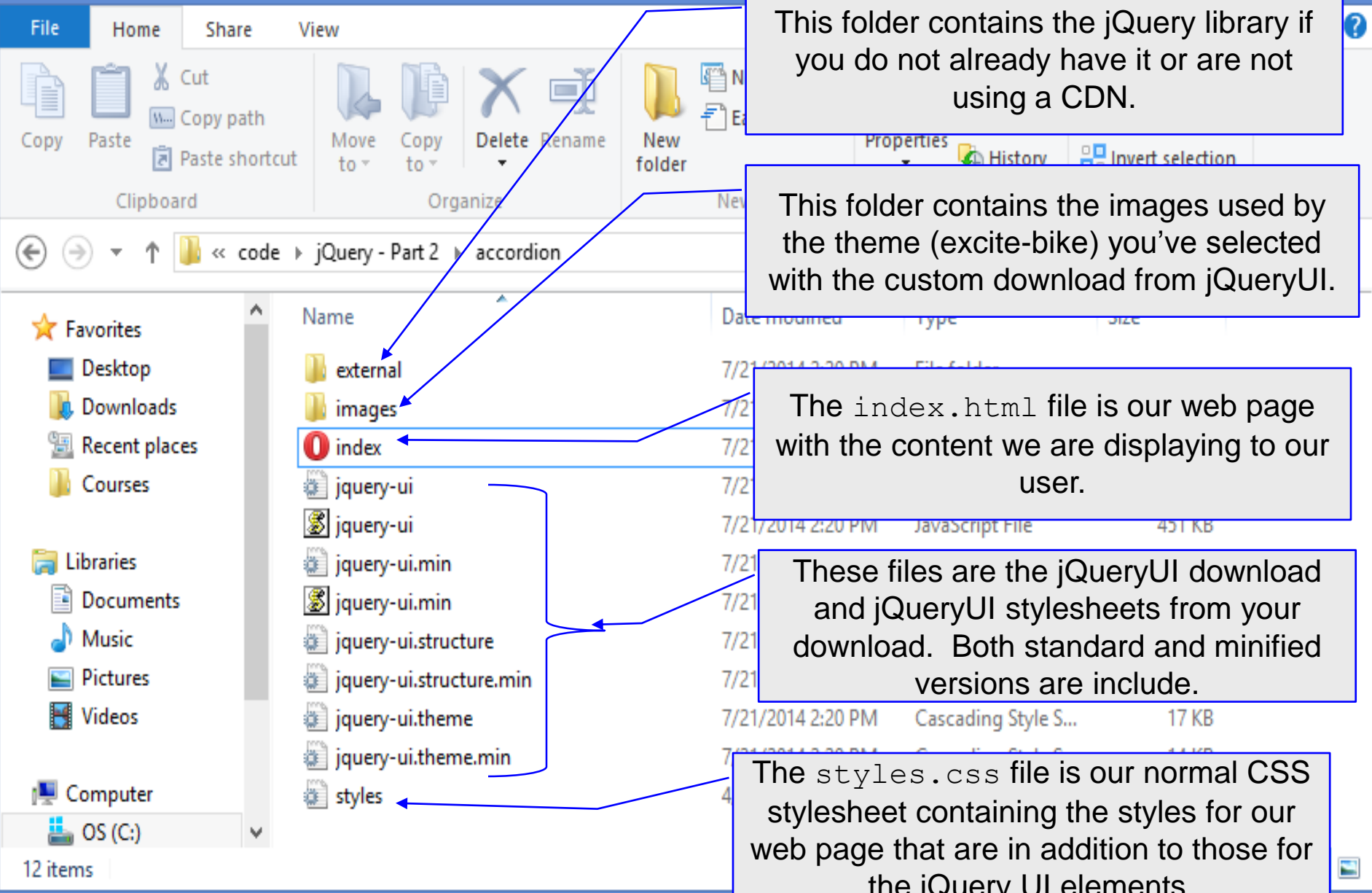
This folder contains the jQuery library if you do not already have it or are not using a CDN.

This folder contains the images used by the theme (excite-bike) you've selected with the custom download from jQueryUI.

The `index.html` file is our web page with the content we are displaying to our user.

These files are the jQueryUI download and jQueryUI stylesheets from your download. Both standard and minified versions are include.

The `styles.css` file is our normal CSS stylesheet containing the styles for our web page that are in addition to those for the jQuery UI elements.





jquery-ui.structure.css | index.html | jquery-ui.structure.css | index.html

Regular CSS stylesheet for html document.

```

1 <!-- First jQuery UI example - accordion example -->
2 <!-- CIS 4004 - Summer 2014 -->
3 <!DOCTYPE HTML>
4 <html lang="en">
5 <head>
6   <meta charset="UTF-8">
7   <title>Accordion Widget Example</title>
8   <!-- Normal style sheet used for layout and general formatting. -->
9   <link href="styles.css" rel="stylesheet">
10  <!-- jQuery UI style sheet references - excite-bike theme -->
11  <link href="jquery-ui.css" rel="stylesheet">
12  <link href="jquery-ui.structure.css" rel="stylesheet">
13  <link href="jquery-ui.theme.css" rel="stylesheet">
14  <!-- jQuery library reference. Latest is always referenced from jQuery's CDN. -->
15  <script src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>
16  <!-- If locally hosted jQuery library -->
17  <!-- <script src="jquery-1.11.0.js" type="text/javascript"> </script> -->
18  <!-- jQuery UI JavaScript library reference. -->
19  <script type="text/javascript" src="jquery-ui.js"></script>
20
21  <!-- jQuery call to the accordion() method. -->
22  <script>
23    $(document).ready(function() {
24      $("#accordion").accordion(
25        {
26          event: "mouseover",
27          collapsible: true
28        });
29    });
30  </script>

```

jQuery UI stylesheets for excite-bike theme.

CDN hosted jQuery library.

jQuery UI downloaded JavaScript file.





Rest of the markup.

```
35 <body>
36   <section>
37     <h1>jQuery FAQs</h1>
38     <div id="accordion">
39       <h3><a href="#">What is jQuery?</a></h3>
40       <div>
41         <p>jQuery is a library of the JavaScript functions that you're most likely
42         to need as you develop web sites.
43         </p>
44       </div>
45       <h3><a href="#">Why is jQuery becoming so popular?</a></h3>
46       <div>
47         <p>Three reasons:</p>
48         <ul>
49           <li>It's free.</li>
50           <li>It lets you get more done in less time.</li>
51           <li>All of its functions are cross-browser compatible.</li>
52         </ul>
53       </div>
54       <h3><a href="#">Which is harder to learn: jQuery or JavaScript?</a></h3>
55       <div>
56         <p>For most functions, jQuery is significantly easier to learn
57         and use than JavaScript. But remember that jQuery is JavaScript.
58         </p>
59       </div>
60     </div>
61   </section>
62 </body>
63 </html>
```



jQuery FAQs

- ▶ What is jQuery?
- ▶ Why is jQuery becoming so popular?
- ▶ Which is harder to learn: jQuery or JavaScript?

Initial rendering on page load



jQuery FAQs

What is jQuery?

jQuery is a library of the JavaScript functions that you're most likely to need as you develop web sites.

Why is jQuery becoming so popular?

Which is harder to learn: jQuery or JavaScript?

Use places mouse over first element and it accordions out to display hidden content.



jQuery FAQs

▶ What is jQuery?

▼ Why is jQuery becoming so popular?

Three reasons:

- It's free.
- It lets you get more done in less time.
- All of its functions are cross-browser compatible.

▶ Which is harder to learn: jQuery or JavaScript?



How To Build And Use A jQuery UI Download

- Notice in the markup shown on pages 29-30 that anchor elements are use inside header level 3 elements, which provide the headers for the panels. Inside, there are `<div>` elements that provide the content for what is displayed with the accordion effect occurs.
- The `href` attributes of the anchor elements are set to “#”.
- In the jQuery, the `accordion` method is used to implement the accordion widget for the `<div>` element that represents the accordion.
- By default, a panel is opened when its header is clicked. You can change defaults that control opening and closing by setting the `event`, `collapsible`, and `animated` options.



How To Build And Use A jQuery UI Download

- The next couple of pages illustrate a similar example of using the jQuery UI, this time however, the tabs widget is illustrated. I won't put all of the slides in again showing the set-up, just the final few and the markup so you can again see how the jQuery UI is accessed and applied to the markup.



```

1  <!-- jQuery UI example 2 - Tabs Demo -->
2  <!-- CIS 4004 - Summer 2014 -->
3  <!DOCTYPE html>
4  <html lang="en">
5  <head>
6      <meta charset="UTF-8">
7      <title>Tabs</title>
8      <!-- Normal style sheet used for layout and general formatting. -->
9      <link href="styles.css" rel="stylesheet">
10     <!-- jQuery UI style sheet references - excite-bike is the theme used. -->
11     <link href="jquery-ui.css" rel="stylesheet">
12     <link href="jquery-ui.structure.css" rel="stylesheet">
13     <link href="jquery-ui.theme.css" rel="stylesheet">
14     <!-- jQuery library reference. Latest is always referenced from jQuery's CDN. -->
15     <script src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>
16     <!-- If locally hosted jQuery library -->
17     <!-- <script src="jquery-1.11.0.js" type="text/javascript"> </script> -->
18     <!-- jQuery UI JavaScript library reference. -->
19     <script type="text/javascript" src="jquery-ui.js"></script>
20
21     <!-- jQuery call to the tabs() method. -->
22     <script>
23         $(document).ready(function() {
24             $("#tabs").tabs();
25         });
26     </script>
27 </head>
28

```



```
28
29 <body>
30   <section>
31     <h1>JavaScript and DOM Scripting</h1>
32     <!-- Tabs HTML code. -->
33     <div id="tabs">
34       <ul>
35         <li><a href="#tabs-1">Book description</a></li>
36         <li><a href="#tabs-2">About the author</a></li>
37         <li><a href="#tabs-3">Who this book is for</a></li>
38       </ul>
39       <div id="tabs-1">
40         <p>You can read other JavaScript books from start to finish and still not
41         know how to develop dynamic websites like you want to. That's because
42         it's DOM scripting that lets you do things like run slide shows, handle image
43         rollovers, rotate headlines, provide animation, and more. And it's a subject
44         that's glossed over or ignored in most other books.</p>
45         <p>But now, you can go from JavaScript beginner to DOM scripting expert in a
46         single book! Fast-paced, professional, and packed with expert practices, our
47         new JavaScript book guides you through each step as you learn how to program
48         sites that enhance the user experience and ensure browser compatibility.</p>
49       </div>
50       <div id="tabs-2">
51         <p>Mark Llewellyn is an expert JavaScript programmer. That will be obvious to you
52         as soon as review the applications that he presents in this
53         book.</p>
54         <p>Mark Llewellyn is much more than a JavaScript programmer. He has a Ph.D.
55         in Computer Science. He has worked on advanced
56         research projects.
```



The screenshot shows a Windows File Explorer window titled 'tabs'. The address bar indicates the path: <code><< code >> jQuery - Part 2 >> tabs</code>. The ribbon includes 'File', 'Home', 'Share', and 'View' tabs. The 'Home' tab is active, showing 'Clipboard' and 'Organize' groups. A callout box points to the 'Delete' button in the 'Organize' group, containing the text: 'The folder structure is identical to that in the accordion folder as they came from the same jQuery UI download. Only the index.html and styles.css are unique to this application.'

The main pane displays a list of files and folders:

Name	Date modified	Type	Size
external	7/21/2014 2:20 PM	File folder	
images	7/21/2014 3:32 PM	File folder	
index	7/21/2014 3:33 PM	Opera Web Docu...	4 KB
jquery-ui	7/21/2014 2:20 PM	Cascading Style S...	33 KB
jquery-ui	7/21/2014 2:20 PM	JavaScript File	451 KB
jquery-ui.min	7/21/2014 2:20 PM	Cascading Style S...	28 KB
jquery-ui.min	7/21/2014 2:20 PM	JavaScript File	232 KB
jquery-ui.structure	7/21/2014 2:20 PM	Cascading Style S...	16 KB
jquery-ui.structure.min	7/21/2014 2:20 PM	Cascading Style S...	13 KB
jquery-ui.theme	7/21/2014 2:20 PM	Cascading Style S...	17 KB
jquery-ui.theme.min	7/21/2014 2:20 PM	Cascading Style S...	14 KB
styles	9/5/2012 3:14 PM	Cascading Style S...	1 KB



Opera

/manager x Download Bu x jQuery UI Exa x Accordion W x Accordion W x Tabs x +

file:///C:/COURSES/CIS%204004%20-%20Web%20Based%20Information%20Technology/code/jquery%20-

JavaScript and DOM Scripting

Book description About the author Who this book is for

You can read other JavaScript books from start to finish and still not know how to develop dynamic websites like you want to. That's because it's DOM scripting that lets you do things like run slide shows, handle image rollovers, rotate headlines, provide animation, and more. And it's a subject that's glossed over or ignored in most other books.

But now, you can go from JavaScript beginner to DOM scripting expert in a single book! Fast-paced, professional, and packed with expert practices, our new JavaScript book guides you through each step as you learn how to program sites that enhance the user experience and ensure browser compatibility.

The first tab is selected by the user.



The screenshot shows an Opera browser window with the following tabs: /manager, Download Bu, jQuery UI Exa, Accordion W, Accordion W, and Tabs. The address bar contains the file path: file:///C:/COURSES/CIS%204004%20-%20Web%20Based%20Information%20Technology/code/jquery%20-... The page title is "JavaScript and DOM Scripting". Below the title are three tabs: "Book description", "About the author", and "Who this book is for". The "Who this book is for" tab is highlighted in orange. Below the tabs is a text block: "Due to our unique presentation methods and this book's modular organization, this is the right book for any web developer who wants to use JavaScript effectively. That includes:" followed by a bulleted list of three developer profiles. A blue arrow points from a text box at the bottom to the selected tab.

JavaScript and DOM Scripting

Book description **About the author** **Who this book is for**

Due to our unique presentation methods and this book's modular organization, this is the right book for any web developer who wants to use JavaScript effectively. That includes:

- Web developers who know HTML and CSS and are ready to master JavaScript.
- Web developers who program in ASP.NET, JSP, or PHP on the server side and now want to master client-side coding.
- Web developers who have already read 3 or 4 JavaScript or DOM scripting books but still don't know how to do the type of DOM scripting that's required in real-world applications

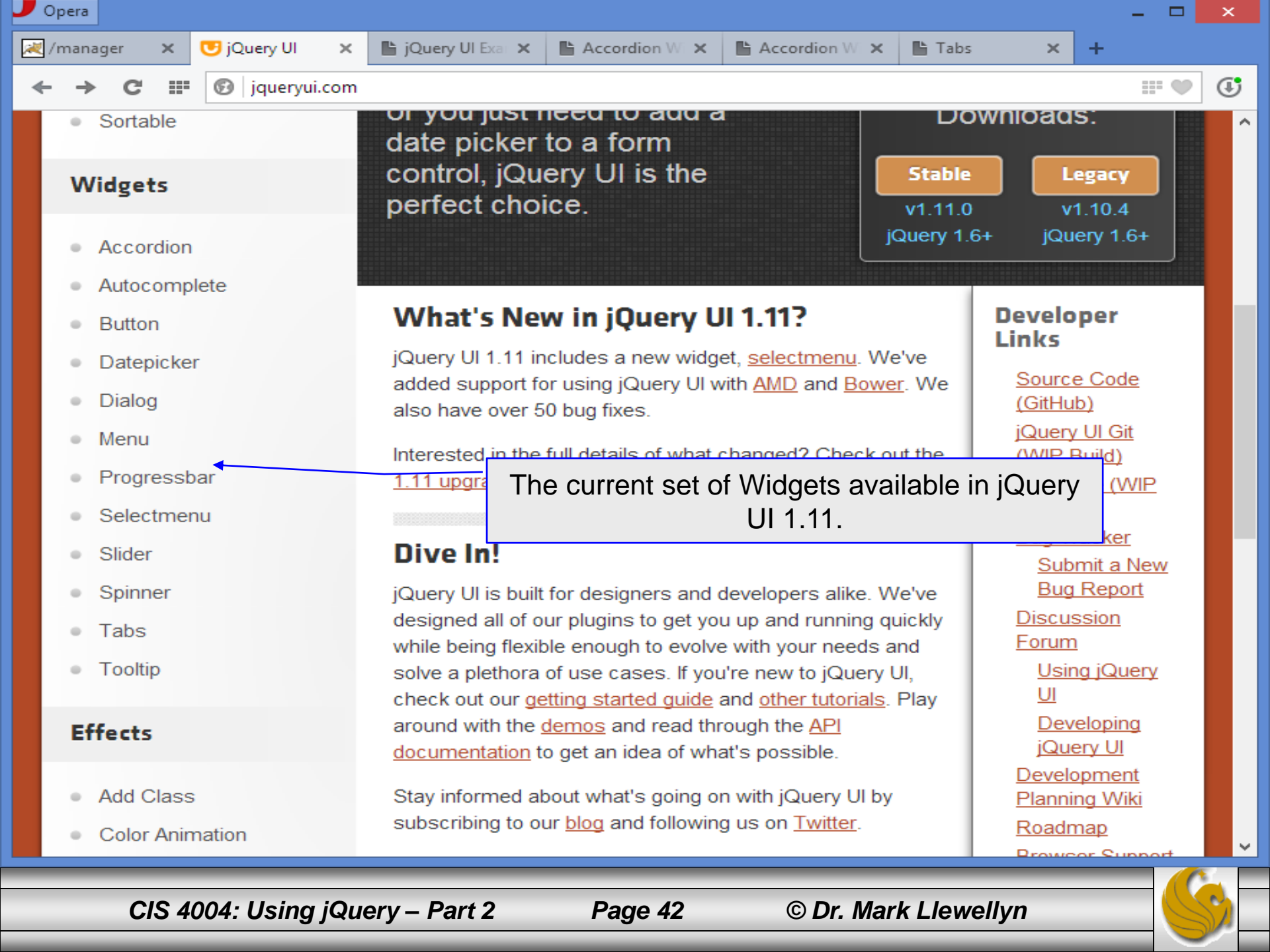
The third tab is selected by the user.



How To Use Any Widget

- The previous pages have illustrated using the accordion and tab widgets in the jQuery UI. Essentially the same technique is used to incorporate any of the 12 current jQuery UI widgets.
- Many websites do not make use of any interactions and if you elect to go this route as well, then you can exclude the interactions from your custom download. Keep in mind that some widgets depend on certain interactions, so those must be included. For example, the Dialog widget depends on both the Draggable and Resizable interactions, so if you are using that widget, you'll need to include those interactions in your download.





- Sortable
- ### Widgets
- Accordion
 - Autocomplete
 - Button
 - Datepicker
 - Dialog
 - Menu
 - Progressbar
 - Selectmenu
 - Slider
 - Spinner
 - Tabs
 - Tooltip

- ### Effects
- Add Class
 - Color Animation

or you just need to add a date picker to a form control, jQuery UI is the perfect choice.

Downloads:

Stable v1.11.0 jQuery 1.6+	Legacy v1.10.4 jQuery 1.6+
---	---

What's New in jQuery UI 1.11?

jQuery UI 1.11 includes a new widget, [selectmenu](#). We've added support for using jQuery UI with [AMD](#) and [Bower](#). We also have over 50 bug fixes.

Interested in the full details of what changed? Check out the [1.11 upgrade guide](#).

Dive In!

jQuery UI is built for designers and developers alike. We've designed all of our plugins to get you up and running quickly while being flexible enough to evolve with your needs and solve a plethora of use cases. If you're new to jQuery UI, check out our [getting started guide](#) and [other tutorials](#). Play around with the [demos](#) and read through the [API documentation](#) to get an idea of what's possible.

Stay informed about what's going on with jQuery UI by subscribing to our [blog](#) and following us on [Twitter](#).

Developer Links

- [Source Code \(GitHub\)](#)
- [jQuery UI Git \(AMP Build\)](#)
- [jQuery UI \(WIP\)](#)
- [Submit a New Bug Report](#)
- [Discussion Forum](#)
- [Using jQuery UI](#)
- [Developing jQuery UI](#)
- [Development Planning Wiki](#)
- [Roadmap](#)
- [Browser Support](#)

The current set of Widgets available in jQuery UI 1.11.



How To Use Any Widget

- The real power behind jQuery UI interactions is that they can be applied to any HTML element.
- For example, you can make the items in a unordered list sortable, or you can make a row inside a table selectable (think project 5 here).
- For uses such as these, you will need to include the interactions in your download.
- The jQuery effects can be used with interactions and widgets. For example, an effect can be used to control how a new tab is displayed in a Tabs widget. As before, jQuery effects can be used with HTML elements that are not part of jQuery UI.



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jqueryui.com

Effects

- Add Class
- Color Animation
- Easing
- Effect
- Hide
- Remove Class
- Show
- Switch Class
- Toggle
- Toggle Class

Utilities

- Position
- Widget Factory

around with the [demos](#) and read through the [API documentation](#) to get an idea of what's possible.

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- [Developing jQuery UI](#)
- [Development Planning Wiki](#)
- [Roadmap](#)
- [Browser Support](#)
- [Previous Releases](#)
- [Changelogs](#)
- [Upgrade Guides](#)

BOOKS

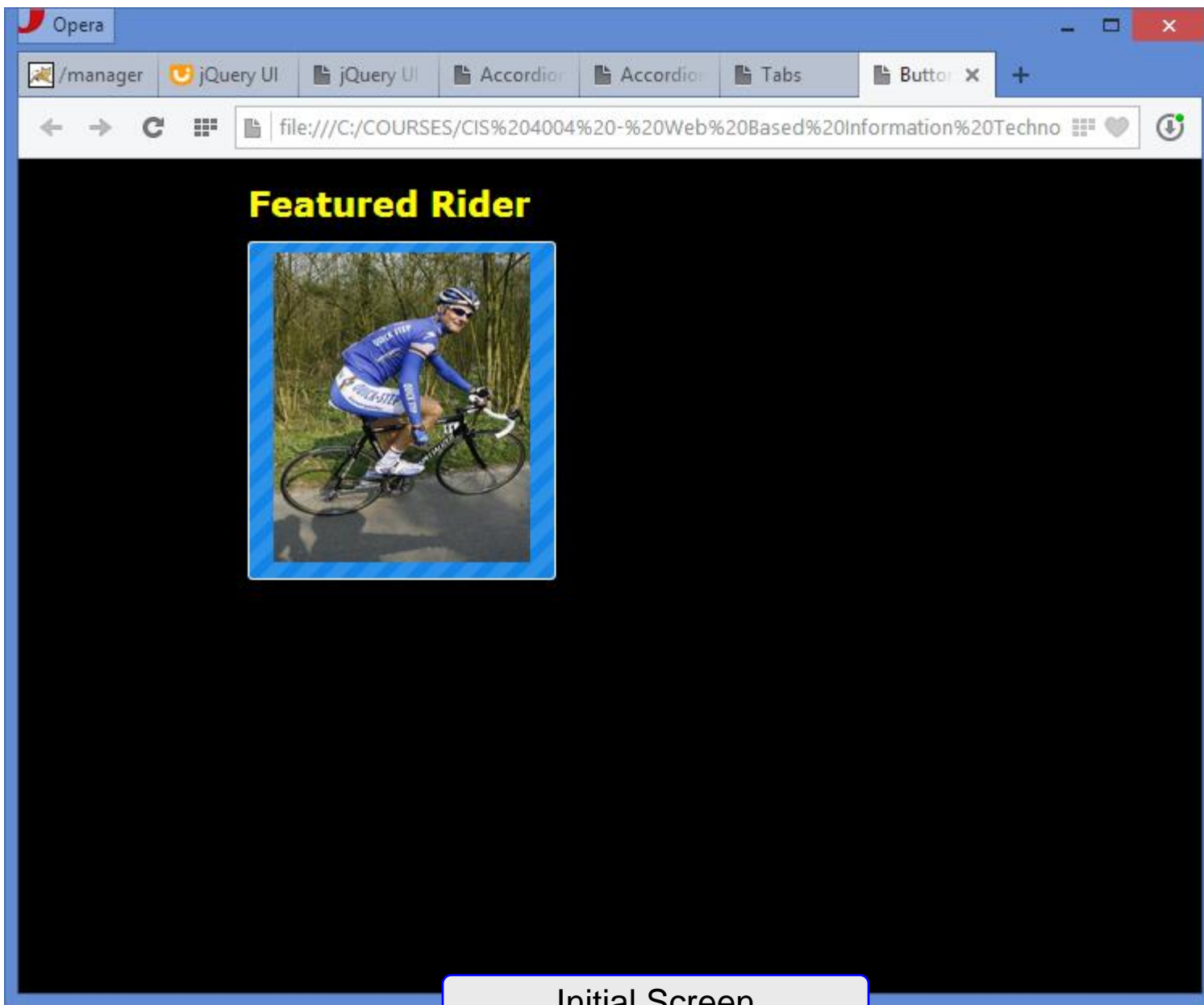
The current set of Effects available in jQuery UI 1.11.



An Example Using the Button and Dialog Widgets

- The next example illustrates both the Button and Dialog widgets.
- When a Button widget is activated by the jQuery button method, the HTML is converted into a button that uses the jQuery UI theme. Other than that, the button works in its normal fashion.
- In this example, the Button widget is coded as an anchor element that contains an image element for a bike rider, and jQuery UI changes its appearance. When the user clicks on it, a dialog box is opened.
- When the dialog box is displayed, it is both draggable and resizable.
- Setting the modal option to true in the dialog box options means that the user must close the dialog box before continuing.





Initial Screen




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Featured Rider



Tom Boonen - Professional Cyclist X

Tom Boonen rides for the Belgian professional cycling team Omega/Quick-Step. He was the World Champion in 2009 and has won the legendary Paris-Roubaix race four times.

User has clicked the button and the dialog box has opened




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Featured Rider



Tom Boonen - Professional Cyclist X

Tom Boonen rides for the Belgian professional cycling team Omega/Quick-Step. He was the World Champion in 2009 and has won the legendary Paris-Roubaix race four times.

User has drag the dialog box to a different location




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Featured Rider



Tom Boonen - Professional Cyclist

Tom Boonen rides for the Belgian professional cycling team Omega/Quick-Step. He was the World Champion in 2009 and has won the legendary Paris-Roubaix race four times.

User has resized the dialog box



```

File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
jquery-ui.structure.css index.html index.html
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Button and dialog</title>
6   <!-- Normal style sheet used for layout and general formatting. -->
7   <link href="styles.css" rel="stylesheet">
8   <!-- jQuery UI style sheet references - excite-bike is the theme used. -->
9   <link href="jquery-ui.css" rel="stylesheet">
10  <link href="jquery-ui.structure.css" rel="stylesheet">
11  <link href="jquery-ui.theme.css" rel="stylesheet">
12  <!-- jQuery library reference. Latest is always referenced from jQuery's CDN. -->
13  <script src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js"></script>
14  <!-- If locally hosted jQuery library -->
15  <!-- <script src="jquery-1.11.0.js" type="text/javascript"> </script> -->
16  <!-- jQuery UI JavaScript library reference. -->
17  <script type="text/javascript" src="jquery-ui.js"></script>
18  .....
19  <!-- Also contains code to display modal dialog boxes when the buttons are clicked. -->
20  <script>
21    $(document).ready(function() {
22      $("#rider").button();
23
24      $("#rider").click(function() {
25        $("#dialog").dialog({modal:true});
26      });
27    });
28  </script>
29 </head>
30

```

Front-end markup

