

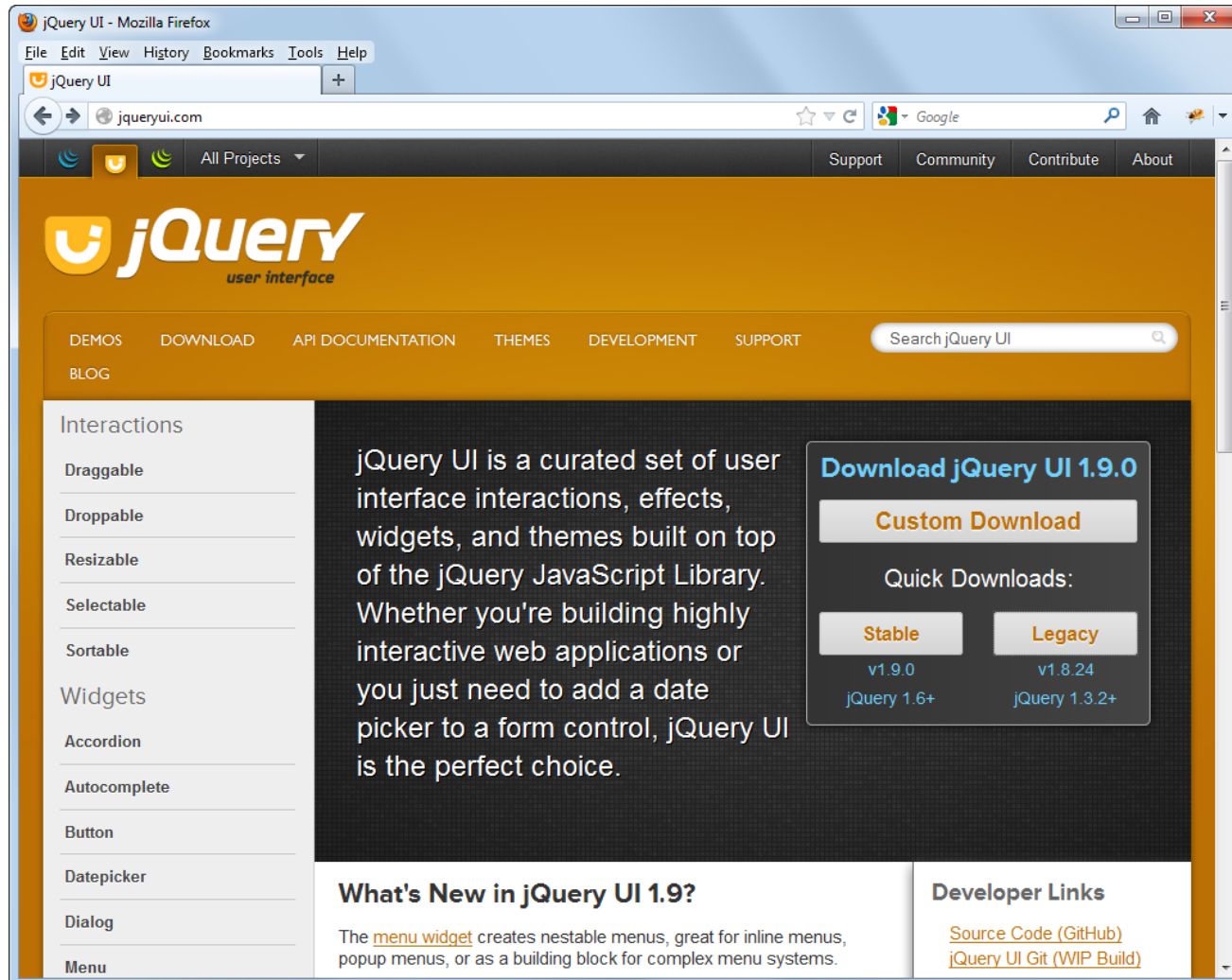
Chapter 12

**Get off to a fast start
with jQuery UI themes
and widgets**

Section 12-10

Introduction to jQuery UI

The jQuery UI web site (<http://jqueryui.com>)



The four types of features provided by jQuery UI

- Themes
- Widgets
- Interactions
- Effects

UI core components

- Core
- Widget
- Mouse
- Position

Widgets

- Accordion
- Autocomplete
- Button
- Dialog
- Slider
- Tabs
- Datepicker
- Progressbar

Interactions

- Draggable
- Droppable
- Resizable
- Selectable
- Sortable

Effects

- Effects core
- Blind
- Bounce
- Clip
- Drop
- Explode
- Fade
- Fold
- Highlight
- Pulsate
- Scale
- Shake
- Slide
- Transfer

The Download Builder page

Download Builder

Version
1.9.0

Components
☒ Toggle All

UI Core
☒ Toggle All
A required dependency, contains basic functions and initializers.

☒ Core
The core of jQuery UI, required for all interactions and widgets.
☒ Widget
Provides a factory for creating stateful widgets with a common API.
☒ Mouse
Abstracts mouse-based interactions to assist in creating certain widgets.
☒ Position
Positions elements relative to other elements.

Interactions
☒ Toggle All
These add basic behaviors to any element and are used by many components below.

☒ Draggable
Enables dragging functionality for any element.
☒ Droppable
Enables drop targets for draggable elements.
☒ Resizable
Enables resize functionality for any element.
☒ Selectable
Allows groups of elements to be selected with the mouse.
☒ Sortable
Enables items in a list to be sorted using the mouse.

Widgets
☒ Toggle All
Full-featured UI Controls - each has a range of options and is fully themeable.

☒ Accordion
Displays collapsible content panels for presenting information in a limited amount of space.
☒ Autocomplete
Lists suggested words as the user is typing.
☒ Button
Enhances a form with themeable buttons.

How to build a jQuery UI download

1. From the home page, click the Download link in the navigation bar or the Custom Download button. That will take you to the Download Builder page.
2. Identify the components that you want in your download by selecting or deselecting interactions, widgets, and effects.
3. To select a theme for the download, use the drop-down list at the bottom of the page. To build a custom theme, click on the link above the drop-down list to go to the ThemeRoller page.
4. Click the Download button to download a zipped folder that contains the jQuery UI files.

You Can use a Generic UI download Instead

```
<script src="http://code.jquery.com/ui/1.10.3/jquery-ui.js"></script>
```

**NOTE: FOR CODE YOU WILL USE IN THIS CLASS, USE THE
SCRIPT TAG SHOWN IN THE "JQUERY UI SCRIPT TAG"
LINK IN THE CHAPTER 12 LESSON**

How to use the jQuery UI documentation

- In the left sidebar, click on a widget name to display an overview.
- In the right sidebar, click on an example name to see a working example, then click on the View Source link to see the code for the example.
- Click the API Documentation link to display information about the widget's options, methods, and events.

Exercise 12-1

- Do the exercise for this section
(shown to the right for the link to this presentation)

Section 12-20

The Tabs Widget

The jQuery for using a widget

```
$(document).ready(function(){  
    $("selector").widgetMethod({  
        // option settings  
    });  
});
```

A Tabs widget

Murach's 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.

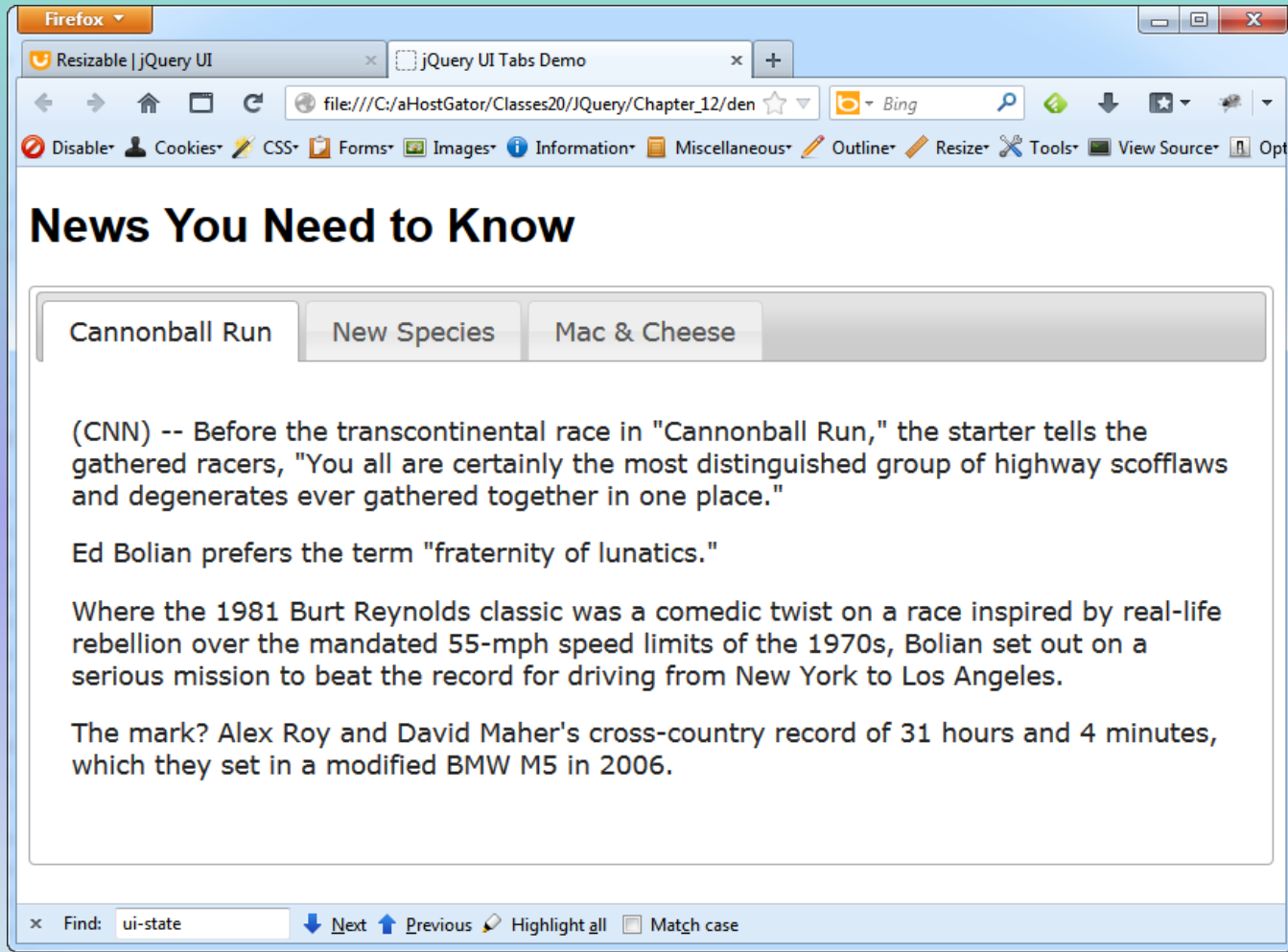
The HTML for the tabs

```
<div id="tabs">
  <ul>
    <li><a href="#tabs-1">Book description</a></li>
    <li><a href="#tabs-2">About the author</a></li>
    <li><a href="#tabs-3">Who this book is for</a></li>
  </ul>
  <div id="tabs-1"><!-- the content --></div>
  <div id="tabs-2"><!-- the content --></div>
  <div id="tabs-3"><!-- the content --></div>
</div>
```

The jQuery for the tabs

```
$(document).ready(function(){  
    $("#tabs").tabs();  
});
```

DEMO: Tabs Widget



Exercise 12-2

- Do the exercise for this section
(shown to the right for the link to this presentation)

Section 12-30

The DatePicker Widget

A Datepicker widget with no options set

Arrival date:



The HTML for the Datepicker widget

```
<label>Arrival date:</label>
```

```
<label><input type="text" id="datepicker"></label>
```

The jQuery for the Datepicker widget

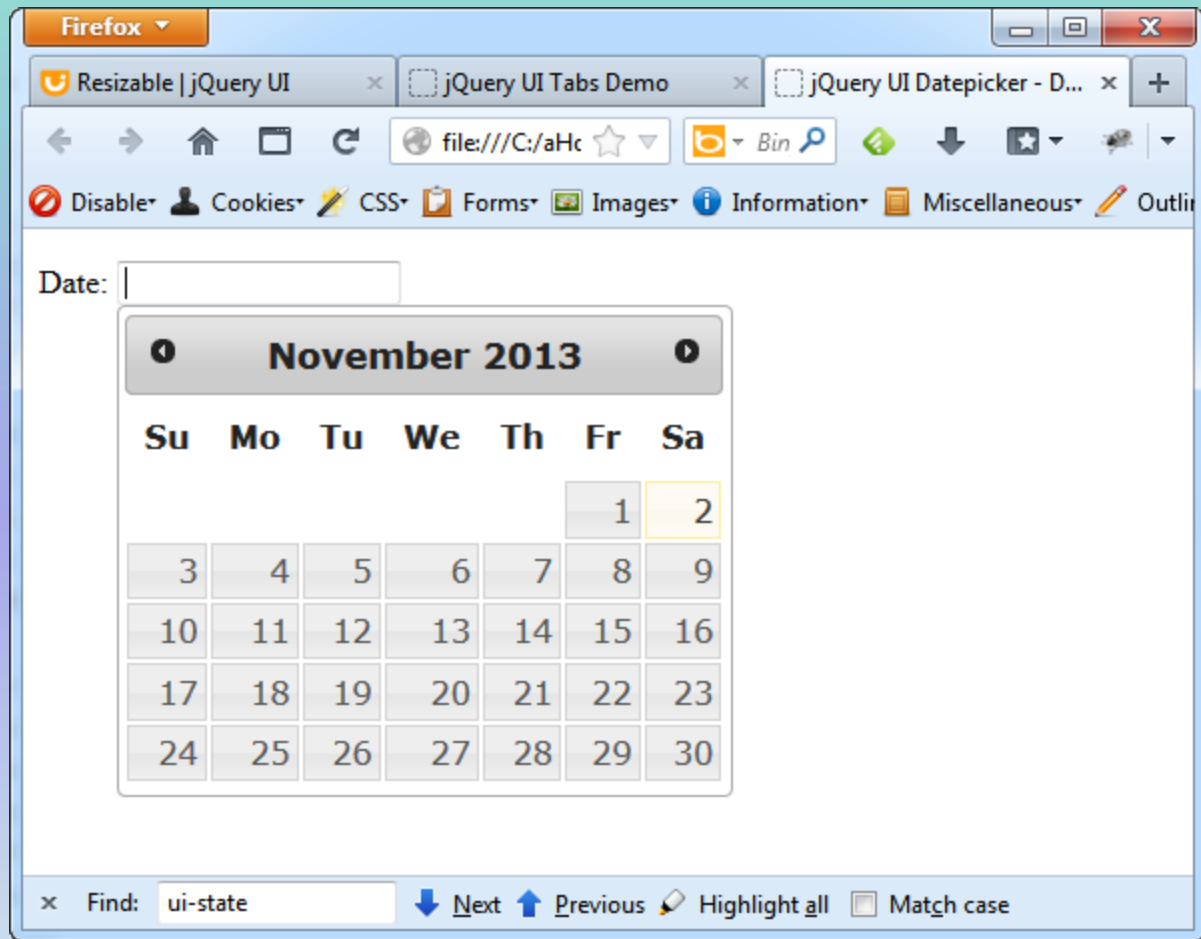
With no options

```
$(document).ready(function(){  
    $("#datepicker").datepicker();  
});
```

With three options

```
$(document).ready(function(){  
    $("#datepicker").datepicker({  
        minDate: new Date(),  
        maxDate: +45,  
        showButtonPanel: true  
    });  
});
```


DEMO: Date Picker Widget



Exercise 12-2

- Do the exercise for this section
(shown to the right for the link to this presentation)

End of Chapter 12