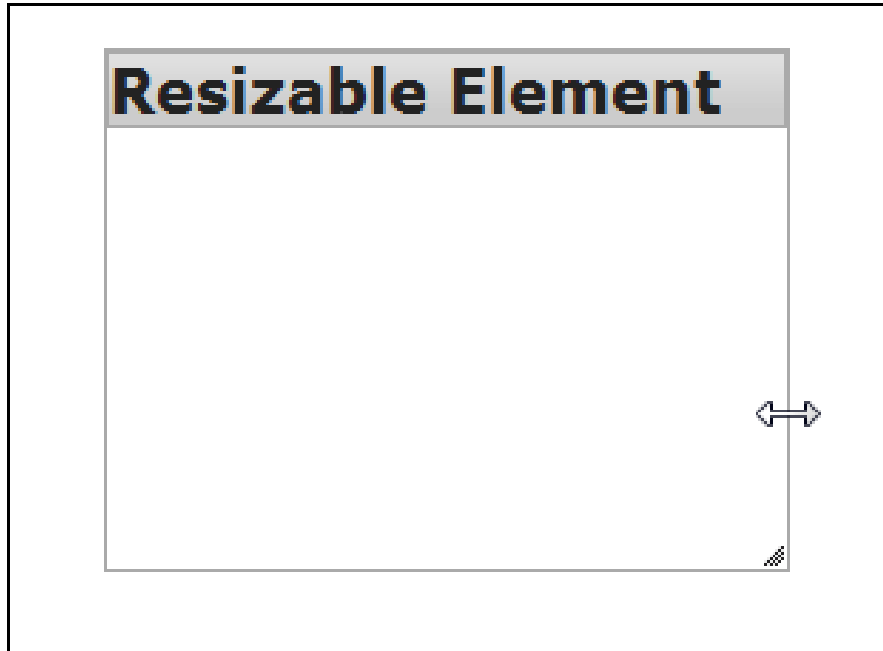# Chapter 13

How to use jQuery UI interactions and effects

Section 13-10

Introduction to Interactions

An element that uses the resizable interaction

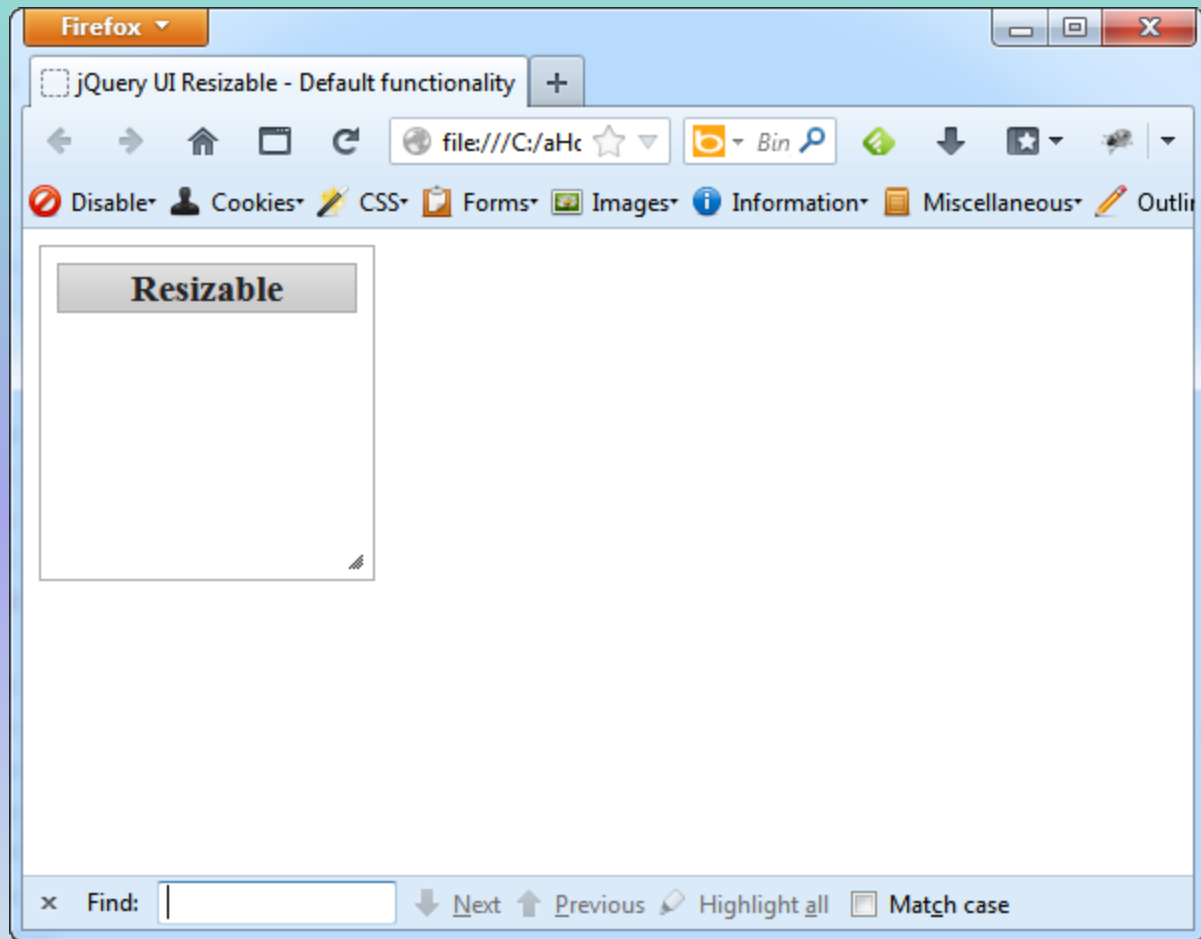# The HTML for the resizable element

```
<div id="dialog" class="ui-widget-content">
    <h3 class="ui-widget-header">Resizable Element</h3>
</div>
```

The jQuery for the resizable interaction

```
$(document).ready(function() {
    $("#dialog").resizable({
        maxHeight: 250,
        maxWidth: 350,
        minHeight: 150,
        minWidth: 200
    });
});
```

DEMO: Resizable Interaction

Exercise 13-1

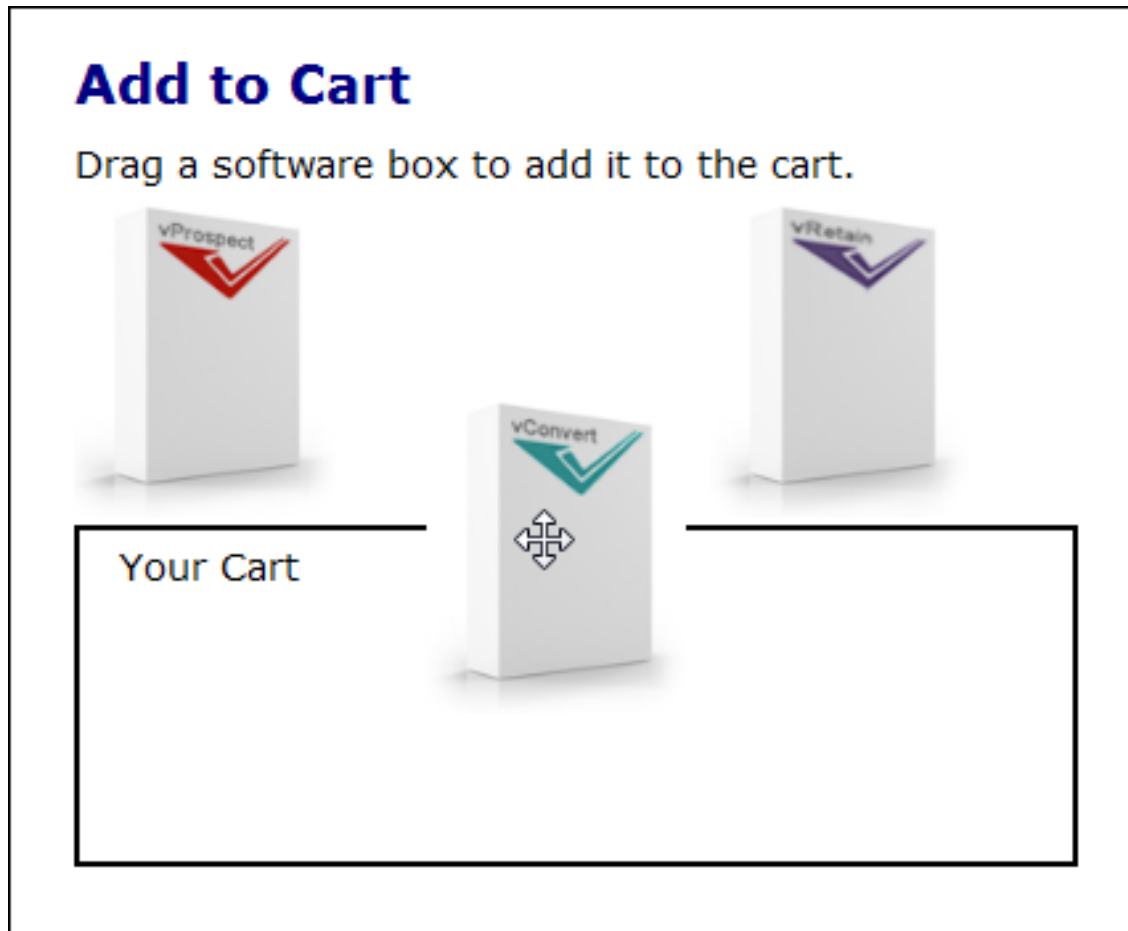- Do the exercise for this section (shown to the right for the link to this presentation)

Section 13-20

Drag and Drop

The five jQuery UI interactions

- Draggable
- Droppable
- Resizable
- Selectable
- Sortable

A draggable element as it's being dragged onto a droppable element

HTML for the draggable and droppable elements

```
<div id="vprospect"><img src="images/vprospect.png"></div>

<div id="vconvert"><img src="images/vconvert.png"></div>

<div id="vretain"><img src="images/vretain.png"></div>

<div id="cart"><p>Your Cart</p></div>
```
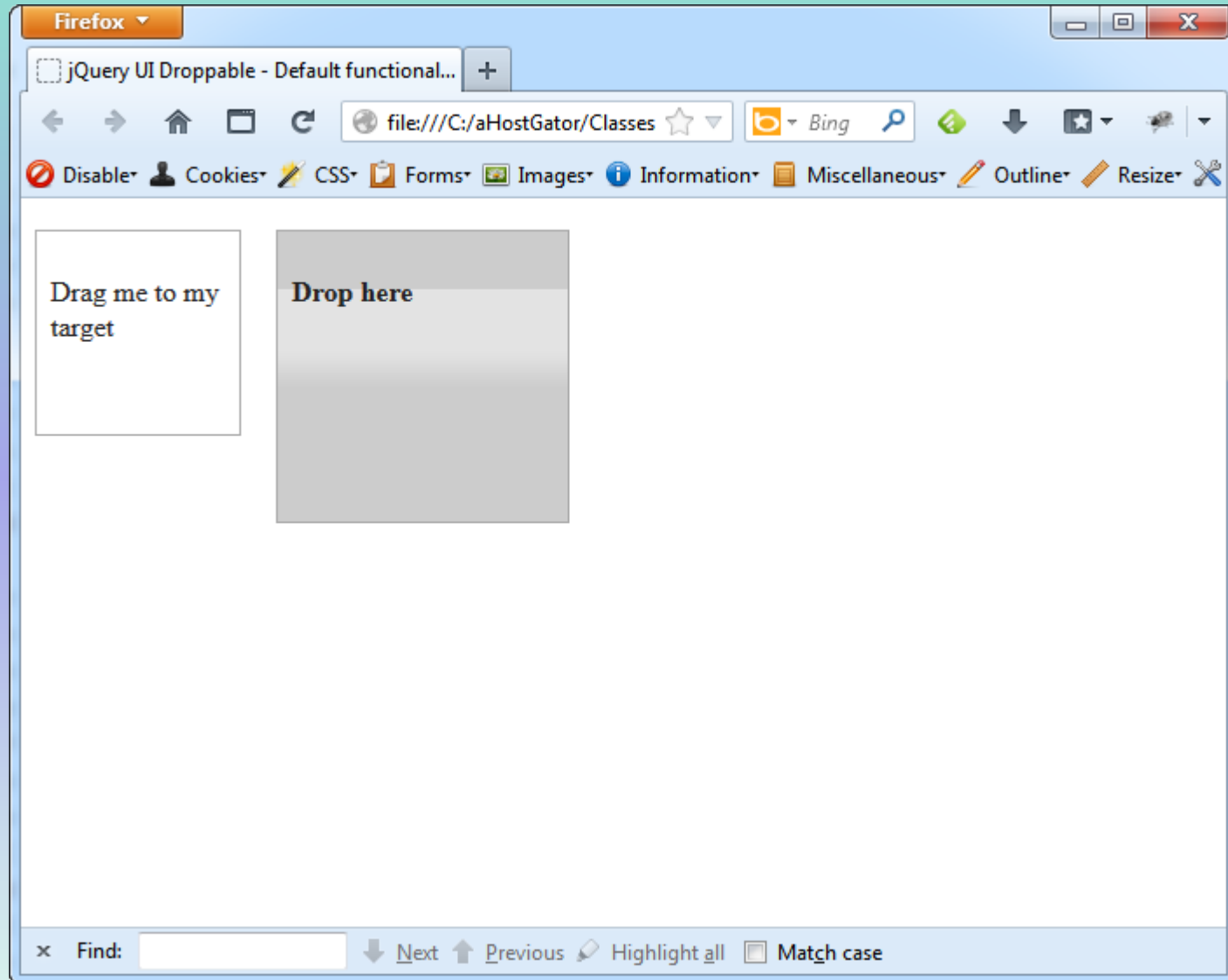
The jQuery for the draggable and droppable interactions

```javascript
$(document).ready(function() {
    ("#vprospect, #vconvert, #vretain").draggable(
        { cursor: "move" });
    $("#cart").droppable({
        drop: function() {
            $(this).addClass(
                    "ui-state-highlight").find("p").html(
                    "vSolution added!");
        }
    });
});
```

DEMO: Drag and Drop Interaction

Exercise 13-2

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

Section 13-30

Effects

jQuery UI core effects

- Color transitions

- Class transitions

- Easing

- Visibility transitions

jQuery UI individual effects

blind	puff
bounce	pulsate
clip	scale
drop	shake
explode	size
fade	slide
fold	transfer
highlight	

The URL for demonstrations of the easings

```
http://jqueryui.com/effect/#easing
```

The Syntax of the Methods for Visibility Transitions

```
Selector.effect["specific-effect", {options}][, duration][, callback])
```

The Blind Effect

```
Selector.effect("blind" [, {options}][, duration][, callback])
```

EXAMPLE:

```
$( "#button" ).click(
   function runEffect()
   {
     var options = [];
     $( "#effect" ).effect( "blind", options, 1000, callback );
   }
);
```

The Bounce Effect

```
Selector.effect("bounce" [, {options}][, duration][, callback])
```

EXAMPLE:

```
$( "#button" ).click(
   function runEffect()
   {
     var options = [];
     $( "#effect" ).effect( "bounce", options, 1000, callback );
   }
);
```

The Shake Effect

```
Selector.effect("shake" [, {options}][, duration][, callback])
```

EXAMPLE:

```
$( "#button" ).click(
   function runEffect()
   {
     var options = [];
     $( "#effect" ).effect( "shake", options, 1000, callback );
   }
);
```
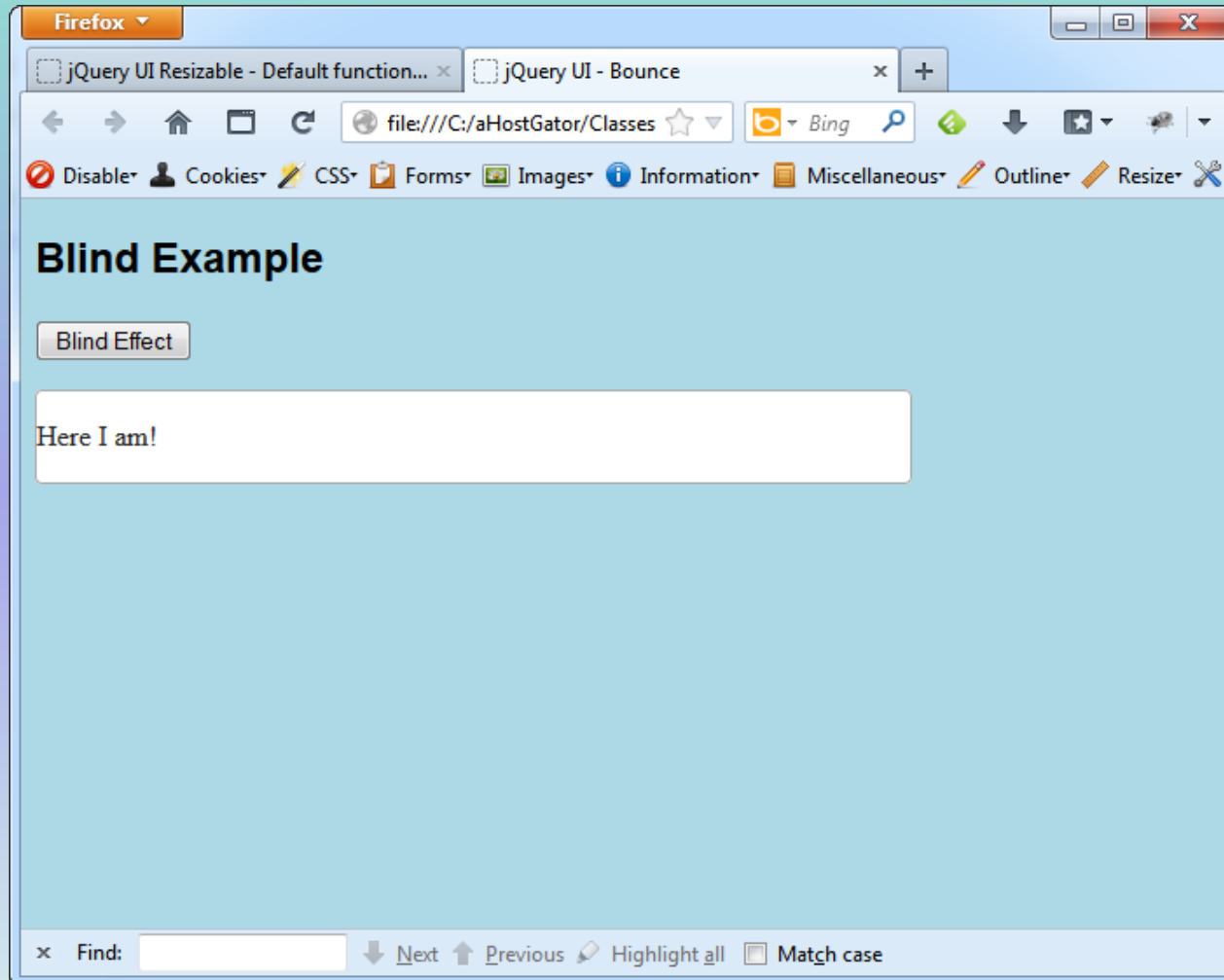
DEMO: Effects

Exercise 13-3

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

End of Chapter 13