

As usual, you'll provide an input to make it possible to find this element within your JavaScript code. You'll use onchange for the event handler. This event is triggered when the user chooses a file by clicking the button displayed on the input element. Note, you do not need to add the button Here is what the user sees when she clicks on Choose Files. A file selector appears. This one only allows image files. Yours may look different since different browsers handle this restriction differently. And once the image lion.jpg is selected, the file input is changed to contain the file. This triggers the onchange event handler. So let's see what the upload function should look like in order

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5:22 The upload function gets the canvas element and the file input element, each by its ID specified in the HTML.

to achieve our goal of displaying the image in our canvas element.

5:32 Then you'll create a simple image variable from the HTML file input itself. Wait! SimpleImage is not a standard JavaScript. It's a library of JavaScript code created for this course and hosted at

DukeLearnToProgram.com. The code is automatically included when you use our custom JavaScript environment. But for web pages you create, you need to specify the source of this library. Let's see where to do that in CodePen. 6:04 In your editing view for the CodePen page, the source for JavaScript goes in the HTML panel, not the

JavaScript panel, enclosed in open and closed script tags, with the attribute src for source. You can see the last part of the URL is simpleimage.js because that is the library we want the page to be able to use. 6:29 Outside of CodePen, you would also use the script tag. Here is the code that includes the simple

image.jslibrary from our Duke Learn to Program site. 6:39 Now that we know how to tell a web page where to find our JavaScript code, let's finish putting an

6:48 We have just created a new simple image from the file input HTML element. The last step is to use the drawTo method, a method included in the SimpleImage library. We will call image.drawTo and use the canvas element as the parameter to indicate the SimpleImage should be drawn on a specific

canvas of our choosing. 7:11 As always, you should try not to memorize all of these methods. You can consult the documentation at any time, like this documentation from DukeLearnToProgram.com.

Now let's see the upload function in action. 7:27

image in the canvas.

element, it's included with the file input type.

4:48

As you can see, when lion.jpg is selected as file input, the file selector is changed and the onchange event handler is triggered. For this event, that is the upload function which displays the selected image on a web page by drawing it to an HTML canvas. Now you can create web pages that allow users to upload images too.