

jQuery-08

In this lab assignment you will use jQuery to respond to events and to programmatically modify HTML and CSS.

1. Create a new project in NetBeans called ArtStoreJS. Download the starter project from the LMS and copy/paste it into your new project.
2. Create a new repository on GitHub, link it to your NetBeans project, and perform an initial commit and push.
3. Open the starter project HTML file (lab10-project01.html) and review how it looks in the browser and then editor. You have been supplied with the necessary CSS and HTML.
4. Import jQuery in the <head> of the page.
5. Use jQuery to respond to click events on the painting thumbnails. Replace the src attribute of the element in the <figure> so that it is displaying the clicked painting. Hint: get the src attribute of the clicked element and then replace the small folder name with medium folder name.
6. As well, change the <figcaption> so that it displays the newly clicked painting's title and artist information. This information is contained within the alt and title attributes of each thumbnail.
7. Set up event listeners for the input event of each of the range sliders. The code is going to set the filter and the -webkit-filter properties on the image in the <figure>. Recall from Chapter 7 that if you are setting multiple filters, they have to be included together separated by spaces.
8. Add a listener for the click event of the reset button. This will simply remove the filters from the image.

Final Page Details

Chapter 10
127.0.0.1:63753/filters.html

Art Filters

Opacity: 100%
Saturation: 100%
Brightness: 100%
Hue Rotate: 0deg
Grayscale: 0%
Blur: 0px
Reset

Still Life with Flowers in a Glass Vase by Jan Davidsz. de Heem, 1690

Chapter 10
127.0.0.1:63753/filters.html

Art Filters

Opacity: 29%
Saturation: 256%
Brightness: 156%
Hue Rotate: 94deg
Grayscale: 0%
Blur: 1px
Reset

Self-portrait
Vincent van Gogh, 1887

Clicking on thumbnail image replaces the main image in the <figure>

Reset the image and slider values

Set the appropriate CSS filter and -webkit-filter properties whenever the user changes any of the sliders.

The alt and title attribute of the selected thumbnail will be displayed in the <figcaption>