

6.0 hours

Project 4

Interactive Photo Gallery

You can submit this project **on or after September 2nd**.

Submit

Your current activity is [Your Next Steps: Adding Interactivity with JavaScript](#).

- [Instructions](#)
- [What makes a good project?](#)

In this project, you will create an interactive photo gallery using JavaScript and jQuery. Thumbnails and photos will be provided with descriptions.

At the top of the page you'll have a search area where photos will hide and show depending on user input. When the user clicks on a thumbnail the photo will display in a lightbox. There should be a back and previous buttons to cycle through photos.

NOTE: The Front End Web Development Techdegree is meant to train you in HTML, CSS and JavaScript, and let you practice and show your mastery of these fundamental building blocks of the web. Because of that, please avoid using frameworks like Bootstrap, Foundation, Skeleton, and so on for this project. Even though you may end up using frameworks like these professionally, you still need to know and be able to implement designs with your own knowledge of HTML, CSS and JavaScript.

In addition, please avoid submitting any projects that rely on a server-side technology like PHP or Ruby on Rails.

Before you start

To prepare for this project you'll need to make sure you complete and understand these steps.

[2 steps](#)

- **Have a GitHub account and know how to create a new repository and upload files to it.**
 - As with the previous projects, you'll submit your finished working project using GitHub.
 - If you need a reminder on how to use GitHub and GitHub desktop to create a new repository check out this Workshop 'Share Your Projects With GitHub Desktop' in the Project Resources.
- **Download the project files.**

Project Instructions

To complete this project, follow the instructions below. If you get stuck, ask a question in the community.

[8 steps](#)

- **Create a web page using HTML and CSS. The page should have a title, a search box, and a place where a photo gallery will be placed.**
 - **Add the provided images to the gallery using the design in the gallery_mockup.png file.**
 - The numbers and dotted lines in the mockup provide size information to help you build the project - don't include them in your final design.
 - **Find a jQuery plugin for creating a photo gallery or write your own script.**
 - The gallery must include the ability to click on photos and view them in a lightbox (see the photo_lightbox.png file for the design).
 - **Add text captions to the images when viewed in the lightbox.**
 - See the photo_lightbox.png file for the design.
 - **Add back and forward buttons when the lightbox is visible to switch between photos.**
 - **Implement the search box at the top of the page that filters photos based on the captions.**
 - The photos should filter in real-time as you type.
 - This could be a jQuery plugin that you find on the web, or code that you write yourself.
 - **Make sure to check your code is valid by running it through an HTML and CSS validator.**
 - Links to the validators can be found in the Project Resources. This will help you spot any errors that might be in your code.
 - **There are a few exceptions that you don't need to fix:**
 - Don't worry about any warnings, we just need you to check any errors that might be there.
 - If CSS validator flags use of calc, vendor prefixes or pseudo-elements/pseudo-classes these errors should be ignored.
 - If HTML validator flags use of pipe ('|') in Google font links/URLs this error can also be ignored.
 - **You should also check for issues with your JavaScript code using JSHint, linked in the Project Resources.**
 - JSHint may show you some warnings, so make sure to check through those for any potential problems.
 - You do not need to fix every warning listed but reviewing them can be useful.
-

NOTE: A good practice is to check your project for cross browser compatibility. Making sure that it looks and functions correctly in multiple (at least three) browsers is an important part of being a top-notch developer. If you want, leave a comment to the project reviewer about which browser(s) the project was checked to ensure they are seeing things as you have designed them.

Some browser options:

- Google Chrome
 - Mozilla Firefox
 - Internet Explorer/Edge
 - Safari
-

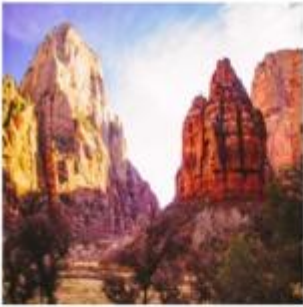
Extra Credit

To get an "exceeds" rating, you can expand on the project in the following ways:

[6 steps](#)

- **NOTE:** To get an "Exceeds Expectations" grade for this project, you'll need to "exceed" on **every** requirement that has an "Exceeds Expectations" option.
-
- **Include a responsive design.**
 - Make sure that the photos and layout adjusts for mobile-friendly experience.
 - **Keyboard navigation for browsing photos.**
 - **Support for additional media types like YouTube videos.**
 - **Write your own JavaScript code instead of using a jQuery plugin.**
 - **Add animation effects when filtering the gallery of photos.**

Search(16pt)



Download files

Zip file

Project Resources

[Course](#)

[jQuery Basics](#)

[Course](#)

[Using jQuery Plugins](#)

[External Link](#)

[jQuery API- keypress\(\)](#)

[External Link](#)

[jQuery API- keydown\(\)](#)

[External Link](#)

[Search Google for a jQuery Plugin](#)

[External Link](#)

[Search npm for jQuery Plugins](#)

[External Link](#)

[Embed videos and playlists](#)

[External Link](#)

[W3C HTML Validator](#)

[External Link](#)

[W3C CSS Validator](#)

[External Link](#)

[JSHint](#)

Need Help?

Have questions about this project? Start a discussion with the community and Treehouse staff.

[Get Help](#)