

Lightbox Test Plan

Introduction:

With the culmination of Digital Photography and the wide array of techniques, processes and industry know how we were taught I thought it would be beneficial for my portfolio website to have a specific web page dedicated to my photographic work. This webpage will utilize a lightbox feature to showcase my photographic work, originally consisting of three photos I took earlier this year. Subsequent content will be added throughout my career in New Media but these photos along with the implementation of the lightbox feature with the current structure of my website for the purpose of this specific web page will serve as a starting point. This feature will be tested firstly upon both a Windows and Macintosh environment running Windows 10 and OSX Mojave. Secondly upon receiving our credentials for Browser Stack this website will undergo further testing using other Operating Systems and browser environments that I won't have access to such as Safari for iPad and certain mobile smartphone environments available through Browserstack.

The goals of the tests are to ensure there are no bugs and that the webpage works smoothly across the vast majority of user environments.

User Story:

As a visitor I can view images that are relevant to Dilraj Dosanjh's photographic work in a lightbox format so that I can easily cycle through different images that I may find interesting.

URL: <https://dilrajdosanjh.ca/photography.html>

Acceptance criteria:

Given I am viewing dilrajdosanjh.ca

And when I am located on the photography page of his website underneath the drop down entitled "portfolio"

When I am viewing images in the body of this webpage

And I click on a given image

And I browse through the images by clicking on the forward and backward arrows

Then I can view photos relevant to the work of Dilraj Dosanjh

And view some basic information about the photo upon clicking/tapping

A lightbox photo gallery has been added to my portfolio website to complete this user story. Upon viewing this webpage, the user will be able to view my current (and future)

photographical work. In the following series of manual tests, I will ensure that the new feature completes this user story across a wide array of browsers and devices.

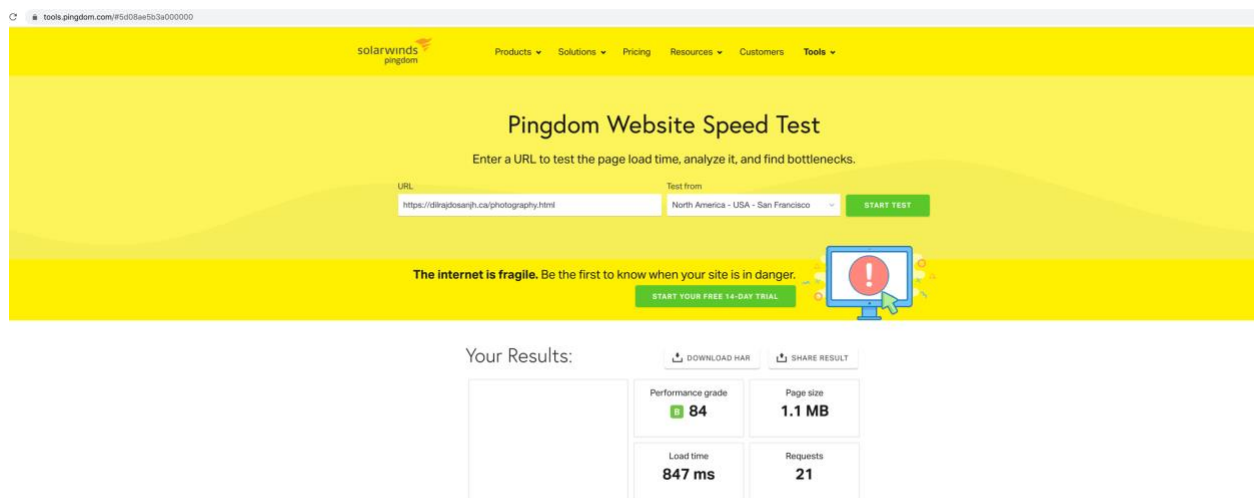
Test Plan Scope

The scope of this test plan includes the implementation and code updates that relate to implementing this lightbox feature. The final live push of this feature will be reviewed and supervised by myself with strong attention to details.

Page weight and loading time will be inside the scope of this project, the aim being that the page weighs no more than 1.25MB and loading time is no more than two seconds. Small quotas are not needed as I am currently on the highest tier of a shared web hosting plan for business professionals.

Page Weight and loading time results:

Loading time is less than a second at 847ms which is excellent and page size is 1.1MB, thus both of these scope aims have been achieved.



Test Plan: Resources and Schedule:

All tests will take place over the next two weeks (August 5 to August 19 2020). Testing will take roughly 4 hours to complete across all configurations and will be completed by myself.

This schedule includes time for testing, writing this test plan report and bug fixes.

Deliverables:

Implementation/build of the feature
Test Plan
3 completed Test Cases (Happy Path and 2 edge cases)
2 Bug reports

Risks and Mitigation:

There are no serious risks to the website by adding this feature as development consists of code being pushed solely on the front-end side of things. I also have mitigations in place on my website presently such as the use of the https protocol as well as other methods of security.

Tools & Configuration:

	Safari	Chrome	Firefox	Edge	IE11
OS X 10.14					N/A
Windows 10	N/A				
iPhone 11					N/A
Samsung Galaxy S10	N/A			N/P	N/A
iPad			N/P	N/P	N/A

Legend:

N/A: Not Applicable

N/P: Not possible with only BrowserStack and without actual access to the device
(BrowserStack does not support edge for Android or iOS and for iPadOS it does not support Firefox for iPad nor Microsoft Edge)

Note: Microsoft Edge for the iPhone 11 was obtained because I have that particular device.

Test Cases:

- Test Case 1: Viewing a Lightbox Photo Gallery
- Test Case 2: Viewing a Lightbox Photo Gallery and clicking on the second image rather than the first
- Test Case 3: Browse through the lightbox by clicking on the forward and backward arrows for 2 cycles

Release Criteria:

For this feature to be released live, the following must be true

- All bugs discovered during the testing phase are fixed
- All tests run must pass
- The feature meets all of its acceptance criteria
- The feature is deemed fit for public use by me

