

LAB07: IMAGE PUZZLE

Points: 10

Submission Deadline

Lab is due on the date specified in Blackboard.
No late lab submissions accepted!!

Overview

For this lab you will create a puzzle using an image of your choice. This exercise will help you practice position CSS property. You can see a completed example on the [last page](#).

Requirements

1. Create a index.html page and place in a *lab07*.
2. Choose an image you will setup as a puzzle, recommended image size is AT LEAST 600x660.
Go to <https://pinetools.com/split-image> and split the image into nine smaller images – 3 rows and 3 columns.

INPUT IMAGE

Browse... IMG_3730.jpg

OUTPUT IMAGES FORMAT

Format (only those supported by your browser are shown)

Same as input PNG JPG/JPEG BMP

Image quality (better quality implies greater file size)

92

OPTIONS

How to split the image

Vertically Horizontally Both (grid)

VERTICALLY

Split by...

Quantity of blocks (equal height) Height of blocks

Quantity of blocks

3

☐ Overlap blocks

HORIZONTALLY

Split by...

Quantity of blocks (equal width) Width of blocks

Quantity of blocks

3

☐ Overlap blocks

- a. Add a page title using `<h1>` tag
 - b. Create a `<div>` that will hold all images
 - c. Make sure all `img` tags are set to use the `alt` attribute
 - d. Using `float` CSS property, align images to recreate the original image. In the case the online tool returned images with varying sizes, the width and height of each image can be set as long as they look proportional. Ensure they all have the same height.
 - e. Set a width for the `<div>` created in step b. and center on the page. Ensure all images fit perfectly within that `<div>`
 - f. Using `position` CSS property, move at least two (2) images around to create a puzzle effect and add a `box-shadow` to pieces that were moved so they are clearly visible
 - g. Feel free to add additional features as long as all requirements are satisfied
3. Update your main student page adding link to *lab07* titled “*Lab07 – Image Puzzle*”
 4. Push pages, using GitHub Desktop:
 - a. Open GitHub Desktop. The software will automatically detect any changes you made within your local GitHub folder.
 - b. Fill out the summary field and click **Commit to gh-pages** button and then click the **Push origin** blue button
 5. Verify the student main page is linking to *lab07* page correctly by visiting your GitHub Page website URL
 6. Validate code either using Validate by Direct Input (copying/pasting the HTML) or Validate by File Upload using the HTML Validation: <https://validator.w3.org/nu/>

Submission

Submit to Blackboard assignment link:

1. your student GitHub Pages URL

Example

