Pamela Cheema

June 9, 2019

Period 2

Seam Carver Regrading

findVerticalSeam()/findHorizontalSeam()

I mixed up the rows and columns by creating a 2D array board, and using the board length to traverse through energies. I was looking at the horizontal lengths instead of vertical, but trying to compare values outside of Array bounds. I wrote an inner for loop that looked at all the pixels and relaxed all the edges at each pixel. Then I compared the distances at each pixel to determine the min value that would give adjacent indexes no greater than a difference of one.

Wrote a separate method to relax the edges of the current pixels surrounding the pixel while trying to find the vertical/horizontal seam.

removeVerticalSeam()/removeHorizontalSeam()

I did not check the adjacent values of the seam to be valid, and only through the IllegalArgumentException() for the invalid width and height. I wrote a separate method to check the seam’s validity of the height and width as well as the values and length of the seam. I created a separate array to store the original color values of the picture before removing the seam. I copied the array to an array with a modified size that doesn’t include the color values of the seam to be removed.