**CSC IP (381): Project #2 <CornerPreserveAvgFilter>(C++)**

**Student name: Jian Chen**

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**Algorithm Steps for the implementation for this project:**

step 0: - open the input file and output file

- read the image header, the four numbers

- dynamically allocate mirrorFramedAry

- dynamically alloicate tempAry

step 1: loadImage // read the input file and load onto mirrowframeAry begin at [2,2]

step 2: mirrowFramed the mirrorFramedAry

step 3: process the MirrorframedAry, from left to right and top to bottom

use i, j where i and j begin at (2, 2) make sure you do not

process the four sides of framed pixels.

step 4: which <-- 0 // the first group as given in lecture, a total of nine groups

step 5: loadNeighbors(which, i,j)

computeAVG (which, ...)

step 6: which ++ // next group

step 7: repeat step 5 while which < 8

step 8: tempAry[i,j] <-- minAVG (neighborAVG)

step 9: repeat step 3 to step 8 until all pixels are processed

step 10: findNewMinMax(..)

step 11: outPutImage with new min and max

step 12: close all files.