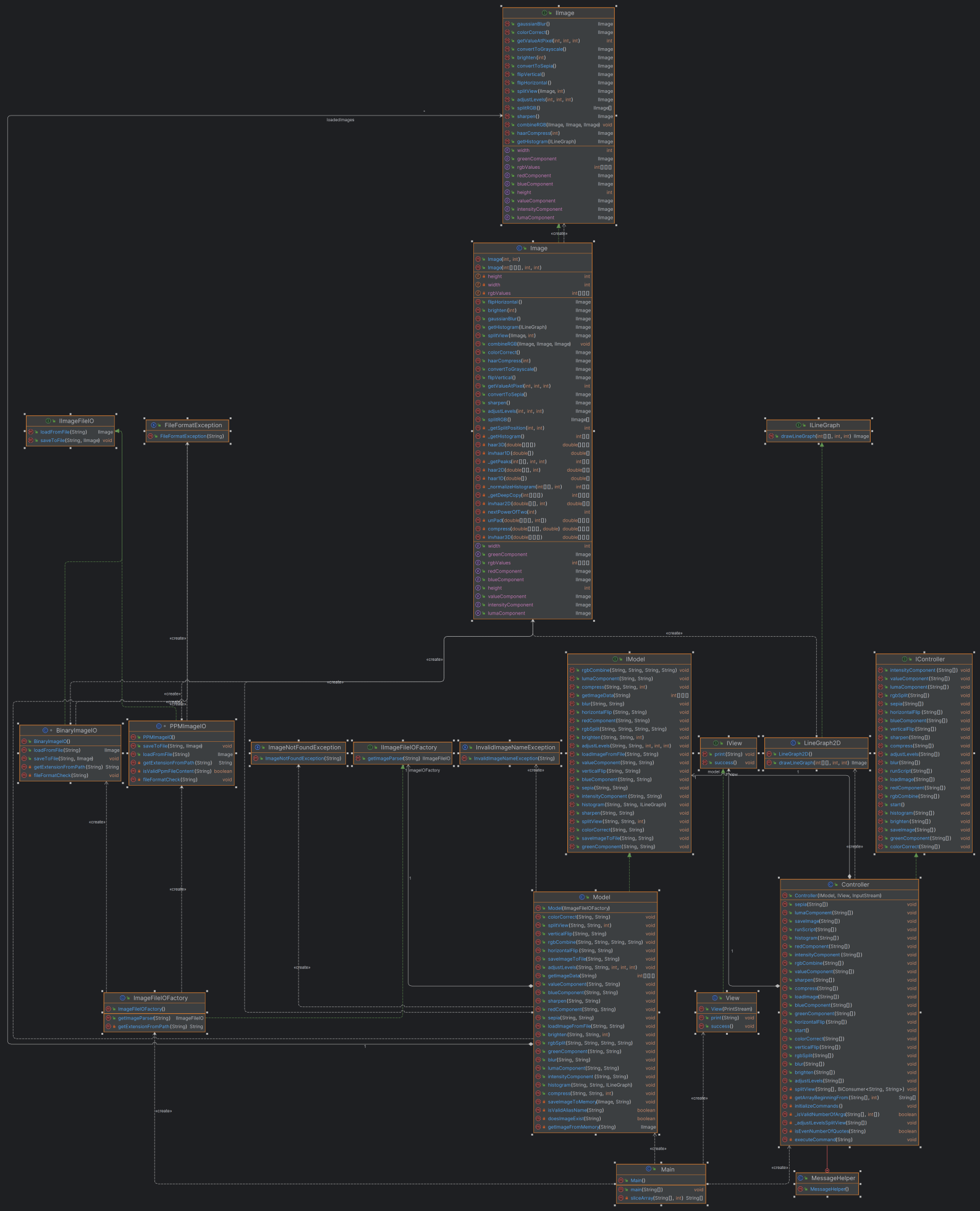
IImage
gaussianBlur() IImage
colorCorrect() IImage
getValueAtPixel(int, int, int) int
convertToGrayscale() IImage
brighten(int) IImage
convertToSepia() IImage
flipVertical() IImage
flipHorizontal() IImage
splitView(IImage, int) IImage
adjustLevels(int, int, int) IImage
splitRGB() IImage[]
sharpen() IImage
combineRGB(IImage, IImage, IImage) void
haarCompress(int) IImage
getHistogram(ILineGraph) IImage
width int
greenComponent IImage
rgbValues int[][][]
redComponent IImage
blueComponent IImage
height int
valueComponent IImage
intensityComponent IImage
lumaComponent IImage
loadedImages
«create»
Image
Image(int, int)
Image(int[][][], int, int)
height int
width int
rgbValues int[][][]
flipHorizontal() IImage
brighten(int) IImage
gaussianBlur() IImage
getHistogram(ILineGraph) IImage
splitView(IImage, int) IImage
combineRGB(IImage, IImage, IImage) void
colorCorrect() IImage
haarCompress(int) IImage
convertToGrayscale() IImage
flipVertical() IImage
getValueAtPixel(int, int, int) int
convertToSepia() IImage
sharpen() IImage
adjustLevels(int, int, int) IImage
splitRGB() IImage[]
_getSplitPosition(int, int) int
_getHistogram() int[]
haar3D(double[][][]) double[][][]
invhaar1D(double[]) double[]
_getPeaks(int[], int, int) int[]
haar2D(double[][], int) double[][]
haar1D(double[]) double[]
_normalizeHistogram(int[], int) int[]
_getDeepCopy(int[][][]) int[][][]
invhaar2D(double[][], int) double[][]
nextPowerOfTwo(int) int
unPad(double[][][], int[]) double[][][]
compress(double[][][], double) double[][][]
invhaar3D(double[][][]) double[][][]
width int
greenComponent IImage
rgbValues int[][][]
redComponent IImage
blueComponent IImage
height int
valueComponent IImage
intensityComponent IImage
lumaComponent IImage
IImageFileIO
loadFromFile(String) IImage
saveToFile(String, IImage) void
FileFormatException
FileFormatException(String)
ILineGraph
drawLineGraph(int[][], int, int) IImage
«create»
IModel
rgbCombine(String, String, String, String) void
lumaComponent(String, String) void
compress(String, String, int) void
getImageData(String) int[][][]
blur(String, String) void
horizontalFlip(String, String) void
redComponent(String, String) void
rgbSplit(String, String, String, String) void
brighten(String, String, int) void
adjustLevels(String, String, int, int, int) void
loadImageFromFile(String, String) void
valueComponent(String, String) void
verticalFlip(String, String) void
blueComponent(String, String) void
sepia(String, String) void
intensityComponent(String, String) void
histogram(String, String, ILineGraph) void
sharpen(String, String) void
splitView(String, String, int) void
colorCorrect(String, String) void
saveImageToFile(String, String) void
greenComponent(String, String) void
IController
intensityComponent(String[]) void
valueComponent(String[]) void
lumaComponent(String[]) void
rgbSplit(String[]) void
sepia(String[]) void
horizontalFlip(String[]) void
blueComponent(String[]) void
verticalFlip(String[]) void
sharpen(String[]) void
compress(String[]) void
adjustLevels(String[]) void
blur(String[]) void
runScript(String[]) void
loadImage(String[]) void
redComponent(String[]) void
rgbCombine(String[]) void
start() void
histogram(String[]) void
brighten(String[]) void
saveImage(String[]) void
greenComponent(String[]) void
colorCorrect(String[]) void
BinaryImageIO
BinaryImageIO()
loadFromFile(String) IImage
saveToFile(String, IImage) void
getExtensionFromPath(String) String
fileFormatCheck(String) void
PPMImageIO
PPMImageIO()
saveToFile(String, IImage) void
loadFromFile(String) IImage
getExtensionFromPath(String) String
isValidPpmFileContent(String) boolean
fileFormatCheck(String) void
ImageNotFoundException
ImageNotFoundException(String)
IImageFileIOFactory
getImageParser(String) IImageFileIO
InvalidImageNameException
InvalidImageNameException(String)
IView
print(String) void
success() void
LineGraph2D
LineGraph2D()
drawLineGraph(int[][], int, int) IImage
model
view
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«create»
Model
Model(IImageFileIOFactory)
colorCorrect(String, String) void
splitView(String, String, int) void
verticalFlip(String, String) void
rgbCombine(String, String, String, String) void
horizontalFlip(String, String) void
saveImageToFile(String, String) void
adjustLevels(String, String, int, int, int) void
getImageData(String) int[][][]
valueComponent(String, String) void
blueComponent(String, String) void
sharpen(String, String) void
redComponent(String, String) void
sepia(String, String) void
loadImageFromFile(String, String) void
brighten(String, String, int) void
rgbSplit(String, String, String, String) void
greenComponent(String, String) void
blur(String, String) void
lumaComponent(String, String) void
intensityComponent(String, String) void
histogram(String, String, ILineGraph) void
compress(String, String, int) void
saveImageToMemory(IImage, String) void
isValidAliasName(String) boolean
doesImageExist(String) boolean
getImageFromMemory(String) IImage
Controller
Controller(IModel, IView, InputStream)
sepia(String[]) void
lumaComponent(String[]) void
saveImage(String[]) void
runScript(String[]) void
histogram(String[]) void
redComponent(String[]) void
intensityComponent(String[]) void
rgbCombine(String[]) void
valueComponent(String[]) void
sharpen(String[]) void
compress(String[]) void
loadImage(String[]) void
blueComponent(String[]) void
greenComponent(String[]) void
horizontalFlip(String[]) void
start() void
colorCorrect(String[]) void
verticalFlip(String[]) void
rgbSplit(String[]) void
blur(String[]) void
brighten(String[]) void
adjustLevels(String[]) void
splitView(String[], BiConsumer<String, String>) void
getArrayBeginningFrom(String[], int) String[]
initializeCommands() void
_isValidNumberOfArgs(String[], int[]) boolean
_adjustLevelsSplitView(String[]) void
isEvenNumberOfQuotes(String) boolean
executeCommand(String) void
ImageFileIOFactory
ImageFileIOFactory()
getImageParser(String) IImageFileIO
getExtensionFromPath(String) String
View
View(PrintStream)
print(String) void
success() void
Main
Main()
main(String[]) void
sliceArray(String[], int) String[]
MessageHelper
MessageHelper()