UML

ColorImage
- ⓜ 🔒 ColorImage(String)
- ⓕ 🔒 depth : int
- ⓕ 🔒 width : int
- ⓕ 🔒 height : int
- ⓜ 🔒 reduceColor(int) void
- ⓜ 🔒 getPixel(int, int) int[]
- ⓟ 🔒 depth : int
- ⓟ 🔒 associatedImage : int
- ⓟ 🔒 height : int

SimilaritySearch
- ⓜ 🔒 SimilaritySearch()
- ⓜ 🔒 main(String[]) void

Mask
- ⓜ 🔒 Mask(String, double)
- ⓜ 🔒 compareTo(Mask) int
- ⓜ 🔒 toString() String
- ⓟ 🔒 value : double

ColorHistogram
- ⓜ 🔒 ColorHistogram(String)
- ⓜ 🔒 ColorHistogram(int)
- ⓜ 🔒 save(String) void
- ⓜ 🔒 decimalConvertI(int[]) int
- ⓜ 🔒 compare(ColorHistogram) double
- ⓟ 🔒 histogram : double[]
- ⓟ 🔒 image : ColorImage

«create»

«create»

«create»
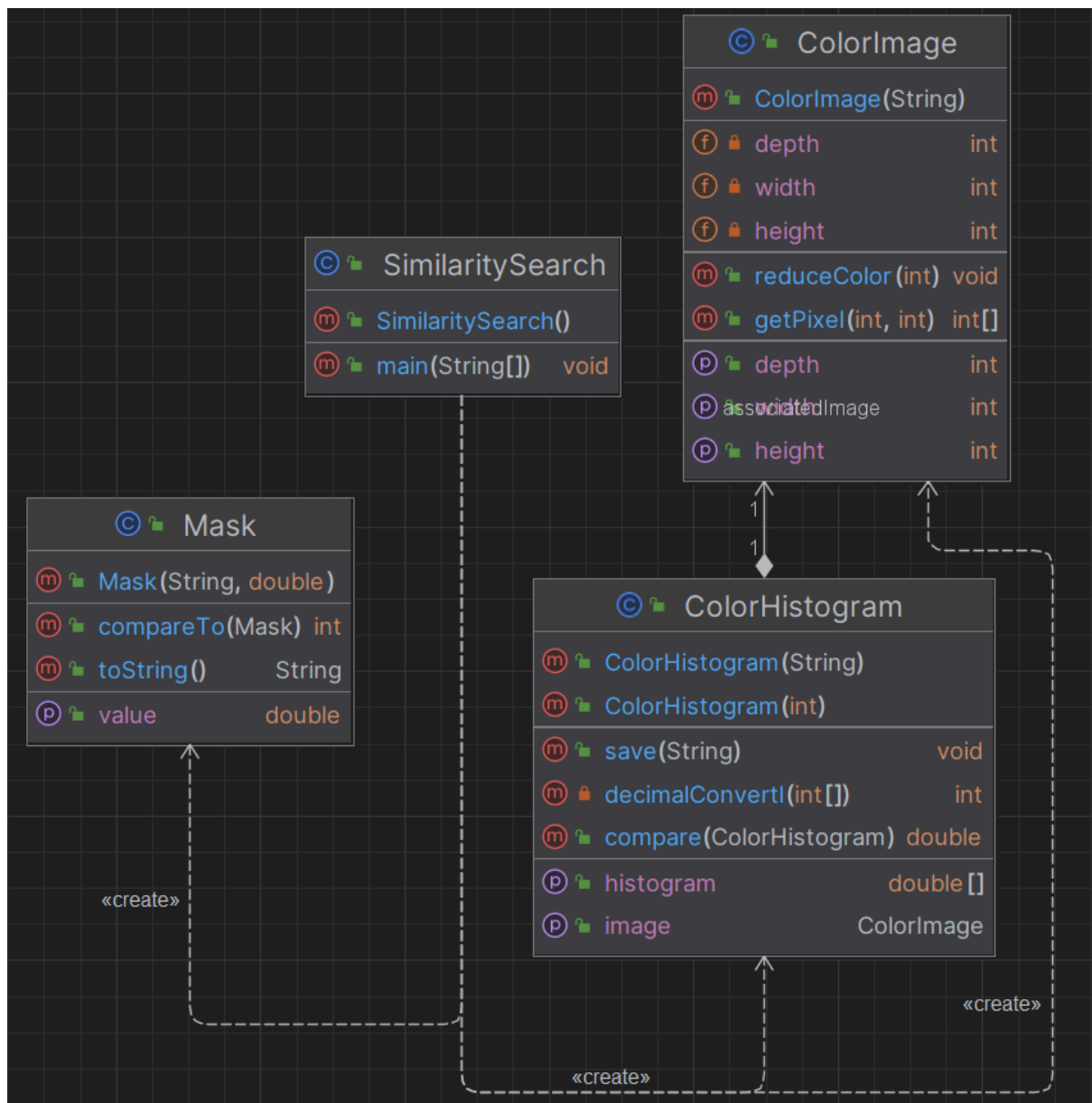
Works Cited

[1] Walkaa Walkaa et al., "Get bits per pixel of a bufferedimage," Stack Overflow, https://stackoverflow.com/questions/41783414/get-bits-per-pixel-of-a-bufferedimage (accessed Feb. 17, 2024).

[2] Java read files, https://www.w3schools.com/java/java_files_read.asp (accessed Feb. 17, 2024).

[3] Bufferedimage (java platform SE 8), https://docs.oracle.com/javase/8/docs/api/java/awt/image/BufferedImage.html (accessed Feb. 17, 2024).

[4] leonardo leonardo et al., "Understanding bufferedimage.getrgb output values," Stack Overflow, https://stackoverflow.com/questions/25761438/understanding-bufferedimage-getrgb-output-values (accessed Feb. 17, 2024).

[5] leonardo leonardo et al., "Understanding bufferedimage.getrgb output values," Stack Overflow, https://stackoverflow.com/questions/25761438/understanding-bufferedimage-getrgb-output-values (accessed Feb. 17, 2024).