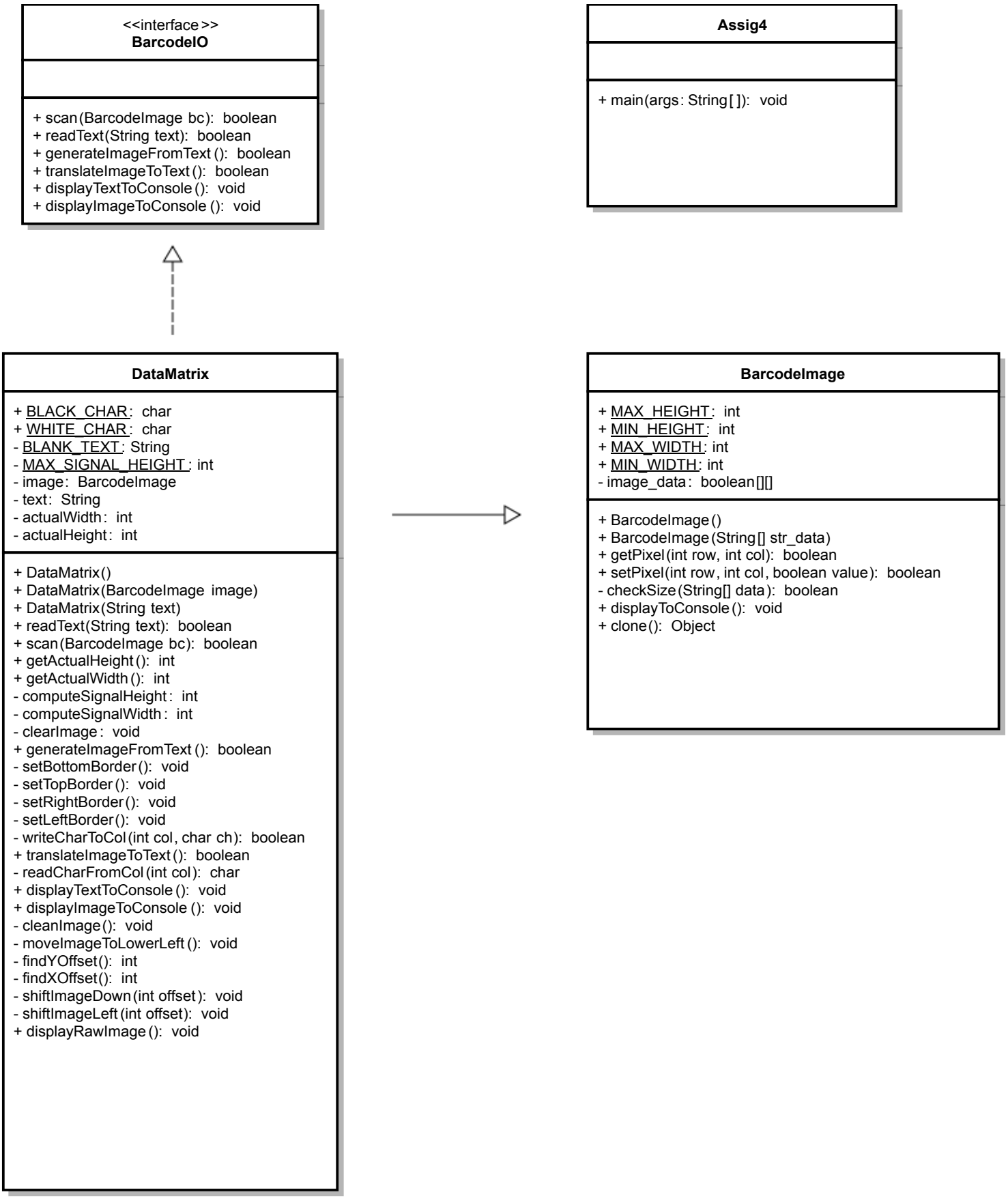
<<interface>>
BarcodeIO
+ scan(BarcodeImage bc): boolean
+ readText(String text): boolean
+ generateImageFromText(): boolean
+ translateImageToText(): boolean
+ displayTextToConsole(): void
+ displayImageToConsole(): void
Assig4
+ main(args: String[]): void
DataMatrix
+ BLACK_CHAR: char
+ WHITE_CHAR: char
- BLANK_TEXT: String
- MAX_SIGNAL_HEIGHT: int
- image: BarcodeImage
- text: String
- actualWidth: int
- actualHeight: int
+ DataMatrix()
+ DataMatrix(BarcodeImage image)
+ DataMatrix(String text)
+ readText(String text): boolean
+ scan(BarcodeImage bc): boolean
+ getActualHeight(): int
+ getActualWidth(): int
- computeSignalHeight: int
- computeSignalWidth: int
- clearImage: void
+ generateImageFromText(): boolean
- setBottomBorder(): void
- setTopBorder(): void
- setRightBorder(): void
- setLeftBorder(): void
- writeCharToCol(int col, char ch): boolean
+ translateImageToText(): boolean
- readCharFromCol(int col): char
+ displayTextToConsole(): void
+ displayImageToConsole(): void
- cleanImage(): void
- moveImageToLowerLeft(): void
- findYOffset(): int
- findXOffset(): int
- shiftImageDown(int offset): void
- shiftImageLeft(int offset): void
+ displayRawImage(): void
BarcodeImage
+ MAX_HEIGHT: int
+ MIN_HEIGHT: int
+ MAX_WIDTH: int
+ MIN_WIDTH: int
- image_data: boolean[][]
+ BarcodeImage()
+ BarcodeImage(String[] str_data)
+ getPixel(int row, int col): boolean
+ setPixel(int row, int col, boolean value): boolean
- checkSize(String[] data): boolean
+ displayToConsole(): void
+ clone(): Object