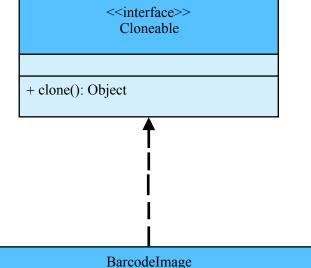
<<interface>> BarcodeIO

Optical Barcode Program

- + scan(BarcodeImage bc): boolean
- + readText(String text): boolean
- + generateImageFromText(): boolean
- + translateImageToText(): boolean
- + displayTextToConsole(): void
- + displayImageToConsole(): void

DataMatrix

- + BLACK CHAR: char
- + WHITE CHAR: char
- image: BarcodeImage
- text: String
- actualWidth: int
- actualHeight: int
- + DataMatrix()
- + DataMatrix(BarcodeImage image)
- + DataMatrix(String text)
- + readText(String text): boolean
- + scan(BarcodeImage image): boolean
- + getActualWidth():int
- + getActualHeight(): int
- + generateImageFromText(): boolean
- + translateImageToText(): boolean
- + displayTextToConsole(): void
- + displayImageToConsole(): void
- readCharFromCol(int col): char
- writeCharToCol(int col, int code): boolean
- computeSignalWidth(): int
- computeSignalHeight(): int
- cleanImage(): void
- moveImageToLowerLeft(): void
- shiftImageDown(int offset): void
- shiftImageLeft(int offset): void
- countBlankRows(): int
- countBlankColumns(): int



- + MAX HEIGHT: int
- + MAX_WIDTH: int
- imageData: boolean[][]
- + BarcodeImage()
- + BarcodeImage(String[] strData)
- + BarcodeImage(BarcodeImage other)
- checkSize(String[] data): boolean
- initImageData(): void
- + getPixel(int row, int col): boolean
- + setPixel(int row, int col, boolean value): boolean
- + clone(): BarcodeImage
- + displayToConsole(): void