b1 5/22/17, 9:18 PM

<<interface>> BarcodelO

- + scan(Barcodelmage bc): boolean
- + readText(String text): boolean
- + generateImageFromTex(): boolean
- + translateImageToText(): boolean
- + displayTextToConsole(): void
- + displayImageToConsole(): void



DataMatrix

- + BLACK CHAR: char
- + WHITE CHAR: char
- BLANK TEXT: String
- MAX SIGNAL HEIGHT: int
- image: Barcode
- text: String
- actualWidth: int
- actualHeight: int
- + DataMatrix()
- + DataMatrix(BarcodeImage image)
- + DataMatrix(String text)
- + readText(String text): boolean
- + scan(Barcodelmagebc): boolean
- + getActualHeight int
- + getActualWidth: int
- computeSignalHeight int
- computeSignalWidth int
- clearlmage: void
- + generateImageFromText(): boolean
- setBottomBorder(): void
- setTopBorder(): void
- setRightBorder(): void
- setLeftBorder(): void
- writeCharToCol(int col, char ch): boolean
- + translateImageToText(): boolean
- readCharFromCo(int col): char
- + displayTextToConsole(): void
- + displayImageToConsole(): void
- computeSignalWidth(): int
- computeSignalHeight(): int
- cleanImage(): void
- moveImageToLowerLef(): void
- findYOffset(): int
- findXOffset(): int
- shiftImageDown(int offset): void
- shiftImageLeft(int offset): void
- + displayRawImage(): void

Assig4

+ main(args: String[]): void

Barcodelmage

- + MAX_HEIGHT: int
- + MIN HEIGHT: int
- + MAX WIDTH: int
- + MIN WIDTH: int
- image_data: boolean[][]
- + Barcodelmage()
- + BarcodeImage(String[] str data)
- + getPixel(int row, int col): boolean
- + setPixel(int row, int col): boolean
- checkSize(String[] data): boolean
- + displayToConsole(): void
- + clone(): Object

b1 5/22/17, 9:18 PM

