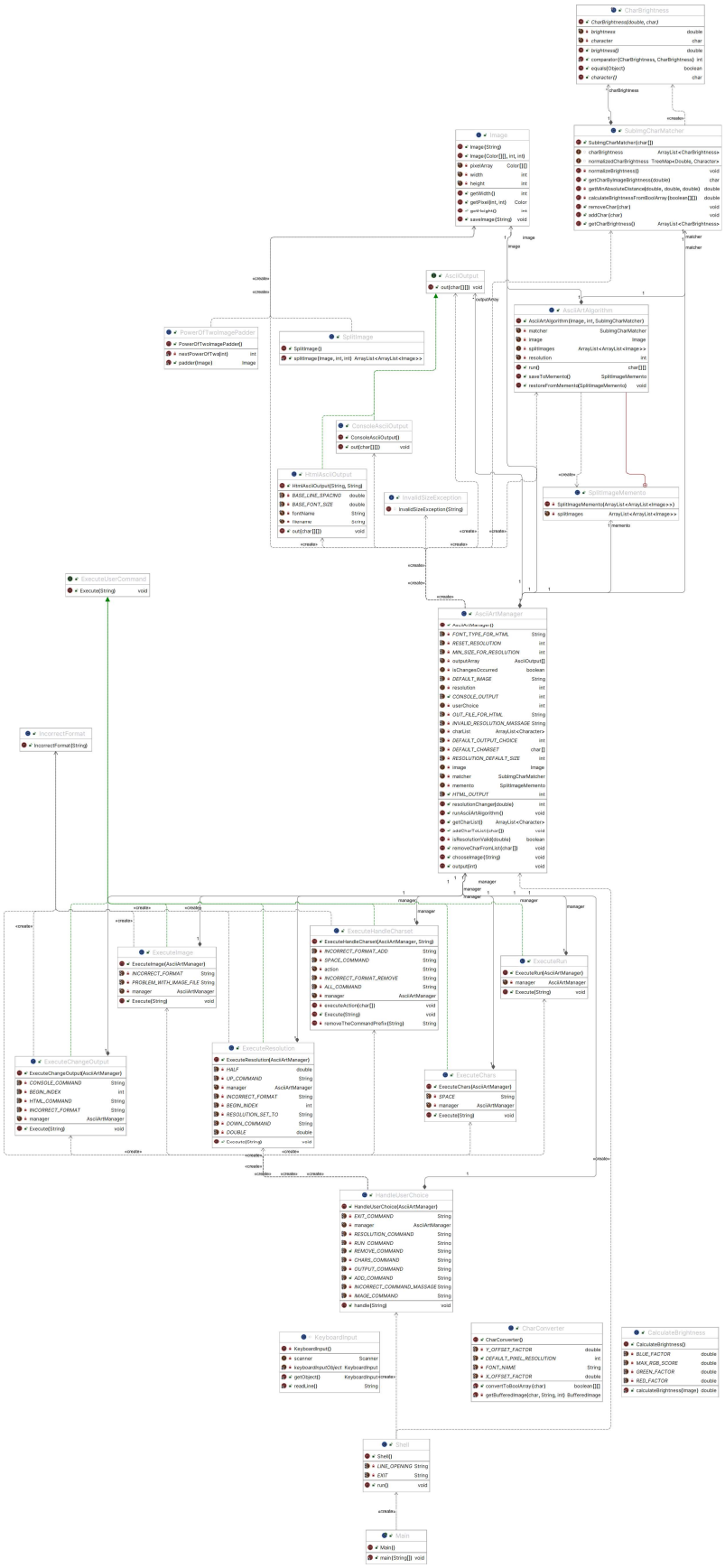
CharBrightness
CharBrightness(double, char)
brightness double
character char
brightness() double
comparator(CharBrightness, CharBrightness) int
equals(Object) boolean
character() char
charBrightness
1
«create»
SublimgCharMatcher
SublimgCharMatcher(char[])
charBrightness ArrayList<CharBrightness>
normalizedCharBrightness TreeMap<Double, Character>
normalizeBrightness() void
getCharByImageBrightness(double) char
getMinAbsoluteDistance(double, double, double) double
calculateBrightnessFromBoolArray(boolean[][]) double
removeChar(char) void
addChar(char) void
getCharBrightness() ArrayList<CharBrightness>
Image
Image(String)
Image(Color[][], int, int)
pixelArray Color[][]
width int
height int
getWidth() int
getPixel(int, int) Color
getHeight() int
saveImage(String) void
image
matcher
AsciiOutput
out(char[][]) void
outputArray
AsciiArtAlgorithm
AsciiArtAlgorithm(Image, int, SublimgCharMatcher)
matcher SublimgCharMatcher
image Image
splitImages ArrayList<ArrayList<Image>>
resolution int
run() char[][]
saveToMemento() SplitImageMemento
restoreFromMemento(SplitImageMemento) void
PowerOfTwoImagePadder
PowerOfTwoImagePadder()
nextPowerOfTwo(int) int
padder(Image) Image
SplitImage
SplitImage()
splitImage(Image, int, int) ArrayList<ArrayList<Image>>
ConsoleAsciiOutput
ConsoleAsciiOutput()
out(char[][]) void
HtmlAsciiOutput
HtmlAsciiOutput(String, String)
BASE_LINE_SPACING double
BASE_FONT_SIZE double
fontName String
filename String
out(char[][]) void
InvalidSizeException
InvalidSizeException(String)
SplitImageMemento
SplitImageMemento(ArrayList<ArrayList<Image>>)
splitImages ArrayList<ArrayList<Image>>
memento
ExecuteUserCommand
Execute(String) void
AsciiArtManager
AsciiArtManager()
FONT_TYPE_FOR_HTML String
RESET_RESOLUTION int
MIN_SIZE_FOR_RESOLUTION int
outputArray AsciiOutput[]
isChangesOccurred boolean
DEFAULT_IMAGE String
resolution int
CONSOLE_OUTPUT int
userChoice int
OUT_FILE_FOR_HTML String
INVALID_RESOLUTION_MASSAGE String
charList ArrayList<Character>
DEFAULT_OUTPUT_CHOICE int
DEFAULT_CHARSET char[]
RESOLUTION_DEFAULT_SIZE int
image Image
matcher SublimgCharMatcher
memento SplitImageMemento
HTML_OUTPUT int
resolutionChanger(double) int
runAsciiArtAlgorithm() void
getCharList() ArrayList<Character>
addCharToList(char[]) void
isResolutionValid(double) boolean
removeCharFromList(char[]) void
chooseImage(String) void
output(int) void
manager
IncorrectFormat
IncorrectFormat(String)
ExecuteImage
ExecuteImage(AsciiArtManager)
INCORRECT_FORMAT String
PROBLEM_WITH_IMAGE_FILE String
manager AsciiArtManager
Execute(String) void
ExecuteHandleChars
ExecuteHandleChars(AsciiArtManager, String)
INCORRECT_FORMAT_ADD String
SPACE_COMMAND String
action String
INCORRECT_FORMAT_REMOVE String
ALL_COMMAND String
manager AsciiArtManager
executeAction(char[]) void
Execute(String) void
removeTheCommandPrefix(String) String
ExecuteRun
ExecuteRun(AsciiArtManager)
manager AsciiArtManager
Execute(String) void
ExecuteChangeOutput
ExecuteChangeOutput(AsciiArtManager)
CONSOLE_COMMAND String
BEGIN_INDEX int
HTML_COMMAND String
INCORRECT_FORMAT String
manager AsciiArtManager
Execute(String) void
ExecuteResolution
ExecuteResolution(AsciiArtManager)
HALF double
UP_COMMAND String
manager AsciiArtManager
INCORRECT_FORMAT String
BEGIN_INDEX int
RESOLUTION_SET_TO String
DOWN_COMMAND String
DOUBLE double
Execute(String) void
ExecuteChars
ExecuteChars(AsciiArtManager)
SPACE String
manager AsciiArtManager
Execute(String) void
HandleUserChoice
HandleUserChoice(AsciiArtManager)
EXIT_COMMAND String
manager AsciiArtManager
RESOLUTION_COMMAND String
RUN_COMMAND String
REMOVE_COMMAND String
CHARS_COMMAND String
OUTPUT_COMMAND String
ADD_COMMAND String
INCORRECT_COMMAND_MASSAGE String
IMAGE_COMMAND String
handle(String) void
KeyboardInput
KeyboardInput()
scanner Scanner
keyboardInputObject KeyboardInput
getObject() KeyboardInput
readLine() String
CharConverter
CharConverter()
Y_OFFSET_FACTOR double
DEFAULT_PIXEL_RESOLUTION int
FONT_NAME String
X_OFFSET_FACTOR double
convertToBoolArray(char) boolean[][]
getBufferedImage(char, String, int) BufferedImage
CalculateBrightness
CalculateBrightness()
BLUE_FACTOR double
MAX_RGB_SCORE double
GREEN_FACTOR double
RED_FACTOR double
calculateBrightness(Image) double
Shell
Shell()
LINE_OPENING String
EXIT String
run() void
Main
Main()
main(String[]) void