University of Nevada, Reno



CS 302 — DATA STRUCTURES

Assignment 1

Students:
Joshua Gleason
Josiah Humphrey

 $\begin{array}{c} Instructor: \\ \text{Dr. George Bebis} \end{array}$

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6 Division of Labor

1 Introduction

2 Use of Code

3 Functions

3.1 Image.h

CONSTRUCTOR

Purpose

Input

Output

Assumptions

CONSTRUCTOR WITH PARAMETERS

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DESCTRUCTOR

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COPY_CONSTRUCTOR

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OPERATOR=

Purpose

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${\tt GETIMAGEINFO}$

Purpose

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GETPIXELVAL

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SETPIXELVAL

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GETSUBIMAGE

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MEANGRAY

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Assumptions

ENLARGEIMAGE

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SHRINKIMAGE

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REFLECTIMAGE

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Assumptions

TRANSLATEIMAGE

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Assumptions

ROTATEIMAGE

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OPERATOR+

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Input

Output

 ${\bf Assumptions}$

OPERATOR-

Purpose

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 ${\tt NEGATE} \underline{I} {\tt MAGE}$

3.2 driver.cpp

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ROTATEIMG

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SUMIMG

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SUBTRACTIMG

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Assumptions

NEGATEIMG

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FINDLOCALPGM

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Output

3.3 cubicspline.h

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CONSTRUCTOR WITH PARAMETERS

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Output

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GETCUBICVAL

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3.4 imageIO.h

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Purpose

Input

Output

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3.5 comp_curses.h

STARTCURSES

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ENDCURSES

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SETCOLOR

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SCREENWIDTH

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Input

Output

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SCREENHEIGTH

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Input

Output

Assumptions

PROMPTFORINT

Purpose

Input

Output

Assumptions

PROMPTFORDOUBLE

Purpose

Input

Output

Assumptions

PROMPTFORSTRING

Purpose

Input

Output

4 Bugs and Errors

hmm what goes here

5 What was Learned

lol

6 Division of Labor

ok!