

CS 302
HW 4 Design Document
Erin Keith
Buddy Holly

Classes

datastructure.h

Data Structure interface

arraydatastructure.h

arraydatastructure.cpp

Data Structure class implemented with array storage

usefulclass.h

usefulclass.cpp

attribute1, attribute2

constructors, getters, setters, overloaded operators (<, >, <<, >>)

list each function

slightlydifferentarraydatastructure.h

slightlydifferentarraydatastructure.cpp

Slightly different Data Structure implemented with array storage

Main Driver

usefulFunction()

Parameters: input

Output: none or something

Functionality: description of what function does

listAllFunctions()

Parameters: input

Output: none or something

Functionality: list and describe each function to be used in the main driver

main()

Parameters: none

Output: none

Functionality: describe how you're going to put all the pieces together (classes, their functions, helper functions in the driver, etc.) this should be the overall problem-solving algorithm

Teamwork

Erin Keith:

1. Array data structure class – Tuesday by midnight
2. Useful class – Thursday by midnight

3. Driver and testing – Saturday by midnight

Buddy Holly:

1. Slightly different array data structure class – Tuesday by midnight
2. Useful functions – Thursday by midnight
3. Driver and testing – Saturday by midnight