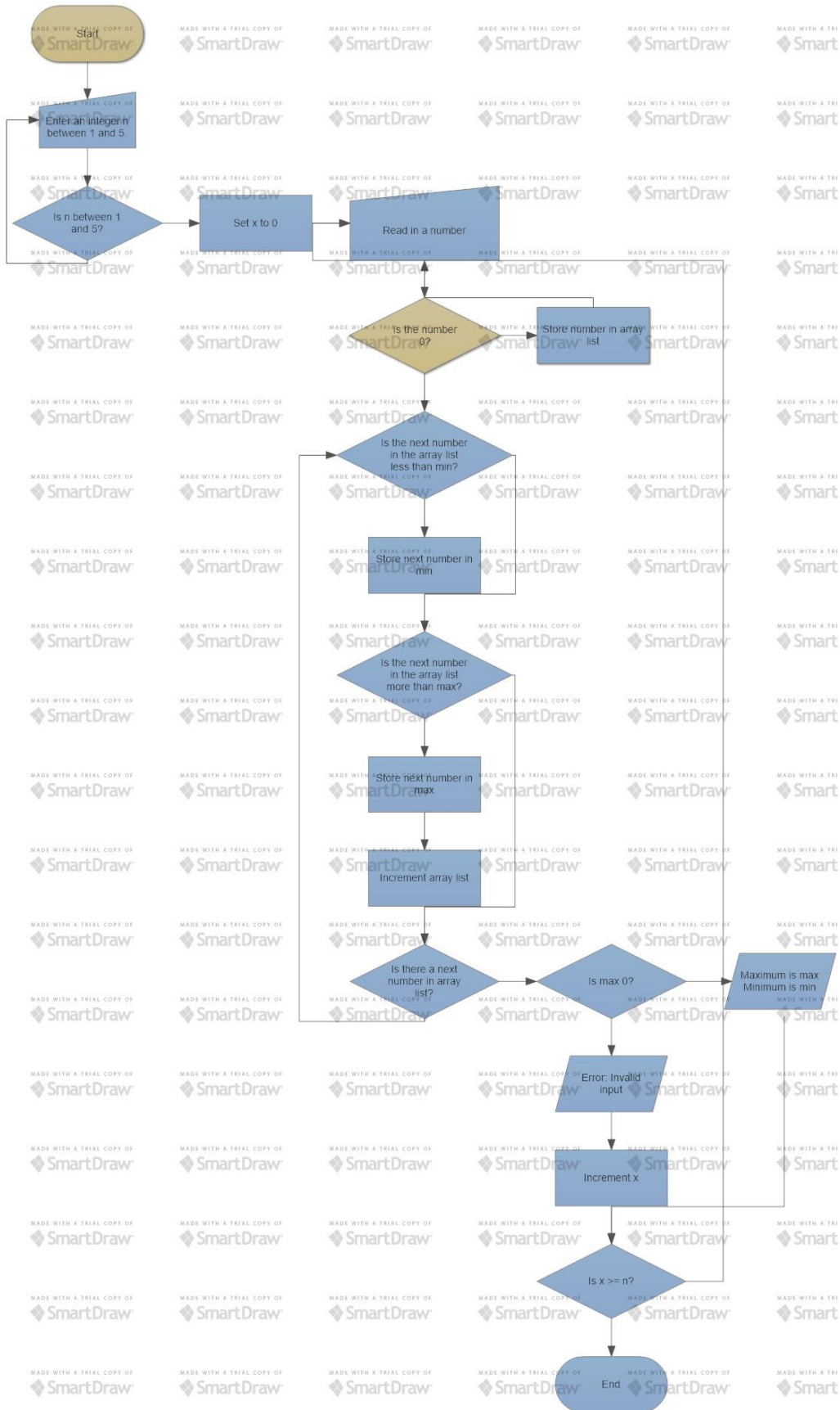Grant Halver

CSE360 Spring 2017

Assignment 4

16 March 2017

1. Set int n to 0 (declaration)
   While n is not an integer between 1 and 5 (processing)
      Prompt for an integer between 1 and 5 (ouput)
      Read in the integer and store in n (input)
   For i=0; 0 to n; i++ (processing)
      Prompt for a list of integers ending with a 0 (output)
      Set int x to 0 (declaration)
      Create an array list lst (declaration)
      Do-While next input is not 0 read in the next integer with spaces as delimiters (input)
         Store integer in lst (processing)
      Set int min and int max to 0 (declaration)
      While lst.hasNext() (processing)
         If lst.next() > max or max = 0 set max to lst.next() (processing)
         If lst.next() < min or min = 0 set min to lst.nex() (processing)
         Increment lst (processing)
      If max = 0 print "No numbers in list" (output)
      Else print "Maximum is " + max "\nMinimum is " + min
2.

Start

Enter an integer n between 1 and 5.

Is n between 1 and 5?

Set x to 0

Read in a number

Is the number 0?

Store number in array list

Is the next number in the array list less than min?

Store next number in min

Is the next number in the array list more than max?

Store next number in max

Increment array list

Is there a next number in array list?

Is max 0?

Maximum is max Minimum is min

Error: Invalid input

Increment x

Is x >= n?

End

3.

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While i > 0 and i n < 6
  Prompt for an integer n between 1 and 5
For int i from 1 to n
  While next input != 0
    Read in next input and store in array list lst
    While (lst.hasNext())
      Is lst.next() < min?
        Yes
          min = lst.next()        |  Do nothing
      Is the lst.next() > max?
                                   No
          max = lst.next()        |  Do nothing
      Is max = 0?
        Yes                       |  No
          Print error message     |  Print max and min
  Increment i
```