

## CS2134 Homework 2 Spring 2016

February 5, 2016

Programming Part:

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1)



2)

B) return the value of the first node after header



Returns A

C) Loop through the list.

Check next in both lists, and add the smaller value as the next value



AFTER



D) if the value of the next node == the value of the current node, delete the next node



After



E) make pos point to the new node and the new node point to what position used to point to



After inserting x after B



F) check  $\text{pred}(\text{node} \rightarrow \text{value})$  for each node and remove the node if true



after if pred is true when obj = a



3)

- a) yes
- b) yes
- c) no
- d) yes

4)

- a) invalid... you only push back the one value(200) so you can't loop through it
- b) valid
- c) valid

5) It would work fine, however the first value would not be checked so that would have to be corrected.

6)

s=





7)

