Elijah Andrushenko

011476324

TA: Hunter Wilkes

Section: 04

1. (5 pts) In your own words, what is a test case?

*A test case is code implemented to help the programmer see if the program is working as intended.*

2. (6 pts) If an application requires the following kinds of questions answered:

a. What item is at position n?

b. Is item x in the list?

c. What is the last item in the list?

Is an array good choice for the underlying structure in the application? Explain.

*No, a linked list would be better since you can easily find what’s in the list and what’s at the end of it too.*

3. (4 pts) Provide two advantages to implementing a list with links, i.e. a linked list.

*•It is good to access an element at a specific index*

*•You can easily add an element somewhere in the sequence*