Name: _____   **Time Spent:** _____

R.6 Reading Guide

Concepts related to Q2

CPTR 242: Sequential and Parallel Data Structures and Algorithms, Walla Walla University

I. Read Chapters 3.5 in your text.

II. Thoughtfully answer the following questions.

   (a) Explain the memory differences between an array and pointer based ADT Unsorted List.

   (b) Why does the `MakeEmpty` operation take $O(N)$ for the linked implementation while the array implementation is only (N).

   (c) Give an example where you would use each ADT Unsorted List implementation (array and linked).

   (d) What were the most challenging concepts? What questions do you still have?