Comp 2000: Data Structures, Fall, 2017

Group 1

<name>

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Assignment 1: Bag Application: Spell Checker / Grocery Bagger

Due: M 9/25/2017

**Analysis**

1. Briefly describe your application (in ‘real world’ terms). Include relevant decision points (e.g. how to ‘clean’ text in the spell checker –or– how to decide how to divide up the groceries). What issues/problems arose during the design, implementation, integration, testing phases and how did you resolve them?
2. Is the analogy of a bag of groceries represented accurately by the Bag ADT? Explain why or why not.
3. Would the Bag ADT be accurate for representing a real dictionary? Explain why or why not?
4. Would you say that the Bag ADT is useful in general? Why or why not?
5. Describe the differences (if any) between running your application using the fixed-sized array Bag ADT implementation compared to the linked-list implementation. Briefly describe the reasons for the differences (if any). If you tested your application with any of your Bag ADT implementations, include them in the comparison.

**Summary**

1. **About your team:**
   1. How did you “divide up” the work so that each student still met the objectives for the assignment (i.e., learn, understand and apply the concepts).
   2. How did you coordinate code changes/testing?
   3. Other observations about working in a team?
2. **Where did you have trouble with this assignment? How did you move forward? What topics still confuse you?**
3. **What did you learn from this assignment? (Please be specific)**
4. **How could this assignment be improved in the future?**