

# Pre-lab Worksheet

## CS163 Lab Session #2 – Building an ADT

*Each group member should collaborate on this worksheet. All online students should participate!*

*The goal of these worksheets is to help prepare you for the next step in programming!*

**Develop an ADT:** *In literature classes you may have learned about journals. Keeping a journal when programming allows us to begin to learn from our mistakes and keep a log of ideas for improving our programming skills in design, syntax, and debugging. As such you will be developing a Journal ADT for this exercise. Answer the following questions prior to coding.*

\_\_\_\_ 1.      **What kind of functionality should a journal provide?** *What would you want to do with journaling software if you were to use it? List three types of operations:*

a.

b.

c.

\_\_\_\_ 2.      **Develop the member function prototypes for each.** *Think about what kind of information would need to flow from the application to the ADT:*

a. `Journal();`

b. `~Journal();`

*Your turn!*

c.

d.

e.

\_\_\_\_ 3.      **Explain how the application would find out if your functions were successful?**