# **Pre-Lab Write Up**

Name: Michael Knowles

Lab: Lab 1 – Guessing Game Redux

1. Describe in English what this program is supposed to do (not how it does it). **This should be able to be your class comment at the top of your program** **(you may copy and paste this into your program later)**:

This program is a guessing game similar to that from the CS&141. However, for extra credit we implemented a functionality where on start up the user has the option to load from a save file. After the user indicates they would like to quit, they have the option to save their progress to disk.

1. List the separate tasks needed to accomplish what you described in part 1. These should be the individual methods you are going to have in your program (**both public and private methods**):

Rather than retracing what was already said for the previous lab, I will instead outline the methods that add the aforementioned functionality.

**saveGameState(int[] gameState)**

This method takes an integer array as input and returns no value. It takes the input and ranges over it, printing each element to a file using a PrintWriter instance. A write to file error prints an error message and quits.

**loadState(int[] gameState)**

This method takes an integer array as input and returns a modified array. It takes the zeroed gameState array and reads the save file using a scanner. It ranges over each token and replaces the value if present. If file does not exist, returns original values.

List other methods below:

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1. For each of the tasks/methods in part 2, describe in English what they are supposed to do (not how they do it). Additionally, note any information each of the tasks need to accomplish their goal as well as any information they need to give back. **These should be able to be used as your method comments in your program** **(you may copy and paste this into your program later)**:

Method Name:

Method Description:

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Parameters (for each: type and what it represents): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Returns (type and what it represents): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Exceptions (type and when thrown): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Method Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Method Description:

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Parameters (for each: type and what it represents): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Returns (type and what it represents): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Exceptions (type and when thrown): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Method Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Method Description:

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Parameters (for each: type and what it represents): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Returns (type and what it represents): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Exceptions (type and when thrown): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Continue below with the rest of the tasks/methods you listed from part 2:

1. For each of the tasks in part 3, give a brief description in English of how you plan to accomplish the task. You may either describe it thoroughly in English, use pseudo-code, or use a combination of the 2:

Largely already done.

1. What questions do you still have about this lab after reading through the specification and completing the pre-lab?

No questions.