### Fill out this sheet and submit with your project as Name\_\_\_Brandon Nguyen\_\_ a Word document or PDF file. Total Points Expected\_\_\_\_\_\_\_\_\_/ 80

Grading Description & Rubric Program 8 Project Description—10 points

High level description:

Elements added:

Code attempts that were abandoned and why:

Data structures used (ArrayList, LinkedList, HashTable, Queue, Stack, array, etc.):

Classes added after water, sand, and metal:

Approximate time spent on project:

Anything else you want us to know as we evaluate your work:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Criteria** | **Proficient** | **Competent** | **Novice** | **Unsatisfactory** |
| **Project Description**  **10 pts.** | Filled in completely. Accurately describes work done. | Filled in. Mostly describes work done. | Filled in. Sparse or inaccurate description of work done. | Information omitted and/or poorly description of work done. |
| **Documentation & Readability & Organization 5 pts.** | The documentation is well written and clearly explains code use. Code is exceptionally well organized and conforms to best practices. The main method has limited functionality. | The documentation is somewhat useful in understanding the code. The code is fairly easy to read and conforms to most best practices. | The documentation is minimal and/or the code is readable only to grader who has the assignment description. | The documentation is limited or non-existent and/or no modularization. |
| **Basic Features**  **Metal, Sand, Water**  **25 pts** | Code is complete, runs, and has no more than one minor flaw. | Code is complete, compiles. Has minor flaws. | Code has major flaw(s) but runs. | DOES NOT COMPILE  ZERO POINTS. NO PARTIAL CREDIT FOR PROJECT POSSIBLE. | |
| **Additional Features: three more elements**  **20 pts** | Code is complete, runs, and has no more than one minor flaw. Elements are distinct with unique actions. | Code is complete, compiles. Has minor flaws. Elements are distinct with unique actions. Omitted one element. | Code has major flaw(s) but runs. Elements are distinct with unique actions.  Omitted one or two elements. | DOES NOT COMPILE  ZERO POINTS. NO PARTIAL CREDIT FOR PROJECT POSSIBLE. | |
| **Advanced Features**  **Abstraction, Polymorphism**  **20 pts** | Code is complete, runs, and has no more than one minor flaw. Good organization. | Code is complete, compiles. Has minor flaws. Fairly good organization | Code has major flaw(s) but runs. Okay organization. | DOES NOT COMPILE  ZERO POINTS. NO PARTIAL CREDIT FOR PROJECT POSSIBLE. | |
| **Extra Credit**  **Complexity, creativity, etc.**  **10 pts max.** | Instructor’s discretion | Instructor’s discretion | Instructor’s discretion | Instructor’s discretion | |

### Grading Rubric Feature Definitions

Basic Completed Part One: Added elements sand and water. Behavior of elements is correct.

Moderate Basic plus has added 3 or more elements. No more than 2 of the elements has complex behavior.

Advanced Moderate plus has added complex behavior, modified code to have base element class and subclasses, added objects, modified design of canvas, or other modifications deemed by the instructor to be advanced.