## Global Rain Logo

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# Summary Report Template

**Directions:** Place your pseudocode, flowchart, and explanation in the following sections. Before you submit your report, remove all bracketed [ ] text.

## Pseudocode

When you are done implementing the Pet class, refer back to the Pet BAG specification document and select either the pet check-in or check-out method. These methods are detailed in the Functionality section of the specification document.

Write pseudocode that lays out a plan for the method you chose, ensuring that you organize each step in a logical manner. Remember, you will not be creating the actual code for the method. You do **not** have to write pseudocode for both methods. Your pseudocode must not exceed one page.

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| Start  Is pet dog or cat?  If the pet is a dog  If the total dog boarding spaces used is less than 30  Pet can be boarded  If the pet is a cat  If the total cat boarding spaces used is less than 12  Pet can be boarded  If the pet can be boarded  Is the pet new or returning?  If returning  Update information as needed  Else (new)  Collect all appropriate information  How long will the pet be staying?  If pet is a dog and is staying two or more days  Are grooming services required?  Assign pet to a space, update cat or dog spaces used  End |

## Flowchart

Based on the pseudocode you wrote, create a flowchart using a tool of your choice for the method you selected. In your flowchart, be sure to include start and end points and appropriate decision branching, and align the flowchart to the check-in/check-out process. Your flowchart must be confined to one page.

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## OOP Principles Explanation

Briefly explain how you applied object-oriented programming principles in the software development process. Your explanation should be one paragraph, or four to six sentences.

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| First, I focused on the essential information needed for the check in method. From there, I grouped together like-data to minimize steps. For example, rather than have a separate boarding process for cats and dogs, I simply identify if a pet can be boarded and proceed to a uniform boarding process. My goal throughout the entire life-cycle was to simplify, simplify, simplify. I wanted to make it as efficient as possible, while still maintain structure and readability. |