# Code Style Guide

Naming:

1. Variable: Try to use a word for the name of variables. If we need multiple words for a name, the first letter of the first word of the name is lowercase, the remaining words are uppercase

Example:

* 1. Bad: childname, ChildN, c\_n.
  2. Good: childName.

1. Function: The function name should let people know what the function does. The first letter of the first word of the name is lowercase, the remaining words are uppercase

Example:

* 1. Bad: ChooseChild(), choosechild(), cc().
  2. Good: chooseChild().

1. Class: Every word in class name should be capitalized.

Example:

* 1. Bad: Childmanagr, childM, CM.
  2. Good: ChildManager.

1. ID: The words of id are all lowercase and connected by "\_".

Example:

* 1. Bad: ChildList, childlist, cl.
  2. Good: child\_list.

Braces

1. Opening brace is at the end of the enclosing statement; closing brace is on its own line

Example:

* 1. Bad:

for ( int i = 0; i < size; i++)

{

……

}

* 1. Good:

for ( int i = 0; i < size; i++){

……

}

Way of Code

1. Try to solve problem by function. It will be confusing if the code is not in the function. If can’t use function, please add additional comments.
2. Keep the code at an appropriate length.

Example:

* 1. Bad:

if (children.getIndex() != 10 && children.getIndex() != 15 && children.getIndex() != 20 && children.getIndex() > 3) {

……

}

* 1. Good:

if (children.getIndex() != 10

&& children.getIndex() != 15

&& children.getIndex() != 20

&& children.getIndex() > 3) {

……

}

1. The order of the functions should be the order you call them. This could easier for other member find them.