# Code Style Guide

Naming:

1. Variable: Use a word for the name of variables. If multiple words are needed for a variable, the first letter of the first word of the name is lowercase, the remaining words are uppercase. ie camelCase.

Example:

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

1. Function: Function names should describe 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 xml layout IDs 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++){

……

}

Code formatting

1. Solve problems or functionality requirements using a function. It is confusing if the code is not in a function. If a function cannot be used, add additional comments to describe the code functionality.
2. Format code for readability and keep 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 functions should be in the order you call them. This makes it easier for other member of the team to find them.