

CODING CONVENTIONS FOR PROJECT SURITY

Things to consider before pushing the final code into the git.

1. DO NOT USE 'var' AS DATA TYPE.

Example:

```
var x; //NOT ACCEPTED
int x; //ACCEPTED
```

2. Variable name: camelCaseAndSelfDescriptive

Example:

```
int speedOfLight; //ACCEPTED
int x; //NOT ACCEPTED
int speed_of_light; //NOT ACCEPTED
int speed-of-light; //NOT ACCEPTED
int _speedOfLight; //NOT ACCEPTED
int $speedOfLight; //NOT ACCEPTED
int speedoflight; //NOT ACCEPTED
```

3. Constants or class attributes: ALL_CAPS_SEPARATED_BY_UNDERSCORE

Example:

```
static int AVOGADROS_NUMBER = 6.02; //ACCEPTED
const int AVOGADROS_NUMBER = 6.02; //ACCEPTED
static int avogadrosnumber = 6.02; //NOT ACCEPTED
static int avogadrosNumber = 6.02; //NOT ACCEPTED
static int AvogadrosNumber = 6.02; //NOT ACCEPTED
static int avogadros-number = 6.02; //NOT ACCEPTED
static int avogadros_number = 6.02; //NOT ACCEPTED
```

4. Method names and Class names and Instance Attributes:

CamelCaseWithCapitalFirstLetterAndSelfDescriptive

Example:

```
int VolumeOfCube(int side); //ACCEPTED
int foo(int s); //NOT ACCEPTED
int volume_of_cube(int side); //NOT ACCEPTED
int volume-of-cube(int side); //NOT ACCEPTED
int _volumeOfCube(int side); //NOT ACCEPTED
int $volumeOfCube(int side); //NOT ACCEPTED
int volumeofcube(int side); //NOT ACCEPTED
```

5. Use spaces instead of tabs (4 spaces)

6. Indent Style: K&R Style.

Example of K&R Style:

```

class Name{
    public PrintString(string s){
        if(something){
            print haha
            print hoho
        }
        else if(something){
            print huhu
            print hehe
        }
        else
            print huehue
    }
}

```

7. Multi-line comments.

Example:

```

/* Dapat ganito kapag multiline comment.
 * Kapag maglalagay ng bagong linya, dapat simulan sa * .
 */

```

8. Use IsMatch **instance** method in matching regex and put a case insensitive and compile option.

Example:

```

pattern.IsMatch(input, RegexOptions.Compile |
RegexOptions.IgnoreCase); //ACCEPTED
Regex.IsMatch(input, pattern); //NOT ACCEPTED
Regex.Match(input, pattern).Success; //NOT ACCEPTED

```

9. Use 'bool' instead of 'Boolean'.

Example:

```

bool isHandsome; //ACCEPTED
Boolean isHandsome; //NOT ACCEPTED

```

10. Use 'string' instead of 'String'.

Example:

```

string name; //ACCEPTED
String name; //NOT ACCEPTED

```