**Code Review**



Attendance System

Table of Contents

Table of Contents 3

1 Code Review check list 4

# Code Review check list

The Code review check list is created to be used during code reviewing and will act as the documentation for the review. The checklist can also be used as a guideline for programmers to use under development of the Checkpoint system.

Table 1 Code review check list

|  |  |  |
| --- | --- | --- |
| Checked | Description | Comment |
|  | **Variables** |  |
|  | Variables declared using camel case notation |  |
|  | Private variables prefixed with an underscore. |  |
|  | Variable as descriptive as possible, avoiding unnecessary abstraction. |  |
|  | **Methods** |  |
|  | Methods are declared using pascal case |  |
|  | Method names should be as descriptive as possible, avoiding unnecessary abstraction. |  |
|  | Method should do only one task in line with the single responsibility principle. |  |
|  | Method should have the minimum amount of arguments. |  |
|  | Avoid using “ref” and “out” keywords. |  |
|  | Avoid type casting and type conversions. |  |
|  | Avoid using nested if statements, foreach and for loops. |  |
|  | **Class** |  |
|  | Use object initializers to simplify object creation. |  |
|  | Class is declared using pascal case. |  |
|  | Class should have only one responsibility. |  |
|  | Properties are declared using pascal case |  |
|  | Properties reflects the name of its associated field |  |
|  | All events will be declared using Pascal Case and the associated event handler will be declared using the same name, but being prefixed with the word “On” and in past tense, i.e. OnButtonClicked. |  |
|  | **Interface** |  |
|  | Interfaces will be prefixed with the letter I. |  |
|  | Interfaces will be declared using Pascal case. |  |
|  | Interface names should be as descriptive as possible, avoiding unnecessary abstraction. |  |
|  | All interfaces must contain the name of the classes which will implement the interface. |  |
|  | **Enumerations** |  |
|  | All enumerations will be declared using all lower case letters, i.e. myenumeration. |  |
|  | **LINQ QUERIES** |  |
|  | Use descriptive names for LINQ query variables. |  |
|  | Use where clauses before other query clauses to ensure that later query clauses operate on the reduced, filtered set of data. |  |
| Code reviewers name:  Date of review: | | |