What is High Quality Programming Code ?

High Quality Programming Code is a set of good practices that make code useble in industial IT aplications .There are a lot of this practices few of them are :

* Correctnes behavior:

­ Conforming to the requirements

-Stable, no hangs, no crashes

­ Bug free – works as expected

­ Correct response to incorrect usage

* Readable and understandable easy to read and easy for understandable

“self-documentating”

-Good indetifiers names

Include good names for variables, constant, methods,parameters,classes,structures,fields,properties,intergaces,enumerations,namespaces,

* High quality classes,interfaces and class hierarchies

Impplement the different design patterns for our purpose.

* High-quality methods

Reduced complexity, improved readability.Good methods names and parameter names .Strong cohesion, loose coupling

* Variables,data,expressions and constants

Minimal variable scope, span,live time.Simple expressions,Correctly used constants

* Correctly used control structures

Simple statements. Simple conditional statements and simple

Conditions. Well organized loops without deep nesting

* Good code formatting

Reflecting the logical structure of the program. Good formatting of classes, methods, blocks,

* High-quality documentation and comments

Effective comments .Self-documentationg code

* Defensive programming and exceptions

Ubiquitous use of defensive programming. Well organized exception handling

* Well organized exception handling

Quality code instead of good performance

* Following the corporate code conventions

Formatting and style, naming, etc. Domain-specific best practices

* Well tested and reviewed.

Testable code.Well designed unit tests.Tests for all scenarios.High code coverage