**Coding standards in c#**

**Naming Conventions**

* Use PascalCase for classes, methods, properties
* Use camelCase for variables and parameters
* Use ALL\_CAPS for constants

**Indentation**

* Use 4 spaces per indentation level
* Be consistent throughout your code

**Comments**

* Add comments for complex logic or explanations
* Use XML comments for public APIs
* Keep comments up-to-date

**Code Structure**

* Keep methods short (under 20 lines)
* One method, one job (single responsibility principle)
* Group related methods together
* Use regions for logical grouping (optional)

**Error Handling**

* Use try-catch blocks for exceptions
* Catch specific exception types, not general Exception
* Give clear error messages to users

**Performance**

* Avoid unnecessary memory allocations
* Use value types when possible
* Minimize boxing/unboxing

**Formatting**

* Place opening braces on new lines
* Align curly braces vertically
* Keep lines under 100 characters long
* Add spaces around operators

**File Organization**

* Group related classes together
* Put public types in separate files
* Use namespaces logically