

# .NET Training: Building Object Oriented Applications - VB.NET (NET101, 4 jours)

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## Description

The course Building Object Oriented Applications - VB.NET (.NET Training) explores VB .NET programming using Visual Studio .NET. The training includes the basics of VB.Net as they apply to object oriented programming. The course covers .NET classes, methods, properties & events. Inheritance, polymorphism, collections, abstract classes, interfaces, file IO & generics are also included. The course concludes with a discussion on database access & user interface implementation.

## Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

## Plan de cours

### Framework and Architecture Essentials

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.NET Framework Versions and Multi-Targeting

The New APIs – An Overview

The .NET Answer

Assemblies and Namespaces

The Visual Studio .NET Environment

### NET Programming Structures

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Creating the Project

Adding Classes

Working with Variables

Working with Functions

Working with Conditional Statements

Working with Repeating Statements

Working with Strings

About String and Globalization

### Best Practices of Software Engineering

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What is an Object?

Using Objects Properly

Moving from Analysis to Design

UML Class Notation

Generalization

Aggregations

Collection Classes

### Creating Classes

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Using Classes

Creating Classes

Class Properties

Object Methods

Constructors

Destructors

Shared Data

Common Mistakes

Inheritance and Polymorphism	
Inheritance	
Inheritance and Constructors	
Polymorphism	
Abstract Functions and Classes	
Interfaces	
Object Oriented Programming with .NET	
Working with Reference Types: From Classes to Interfaces	
An Introduction to Generics	
Creating and Using Generics	
Mastering Serialisation	
Reading from and Writing to Files	
Implementing Custom Events	
Creating the User Interface	
The MVC Pattern	
Creating a Simple Windows Application with a DLL	
Creating a Simple Web Application with a DLL	
Creating Web Services for Service Distribution	
Review	
Creating a Full Featured Object Oriented Application	