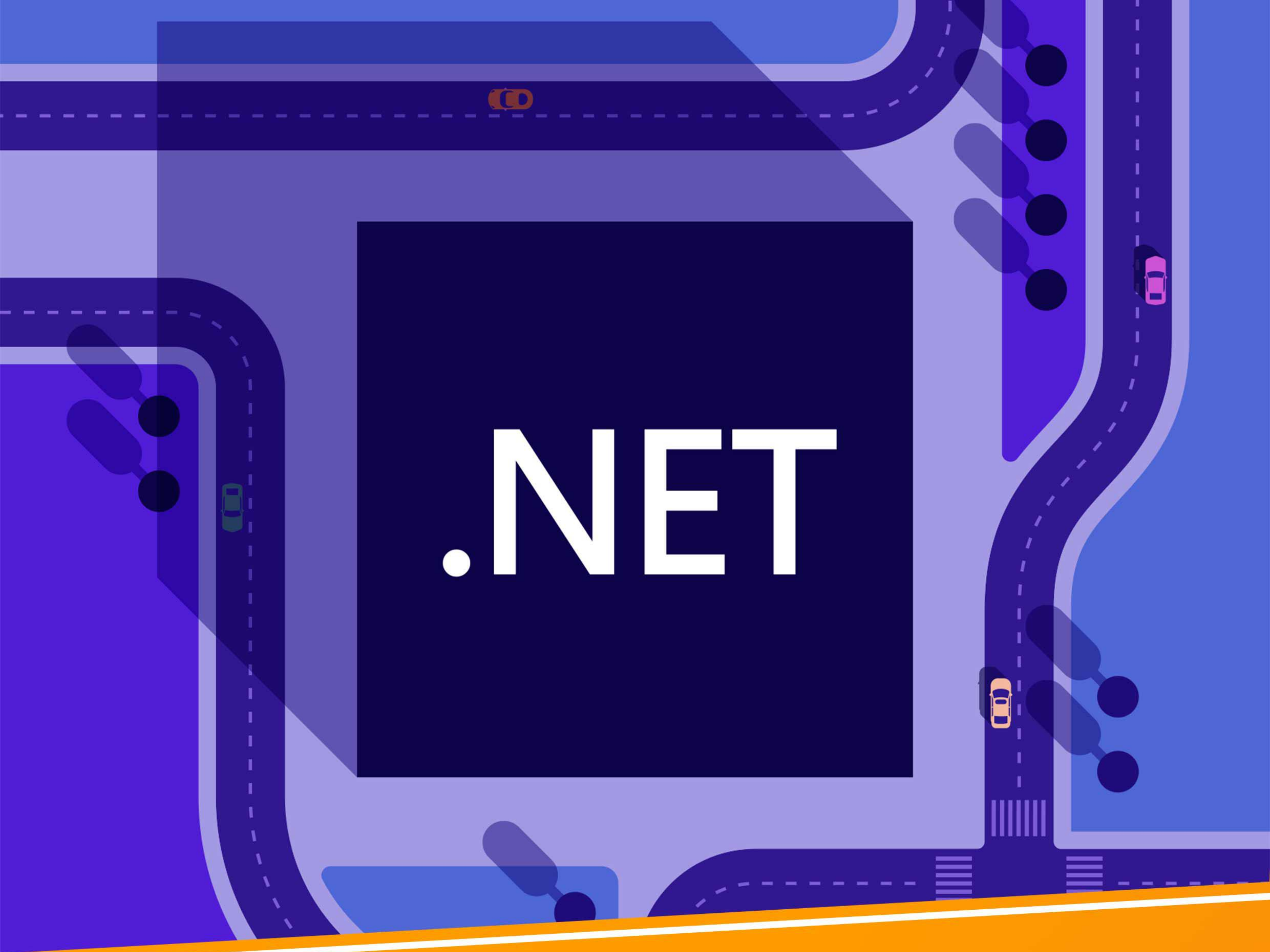




ADVANCE.NET



.NET

About Course

AdvanceNet Technology Services (ANTS) is a for-profit, SaaS company operating in the social sector. We combine decades of experience as technology leaders for philanthropy, and leverage our global relationships to create local, national, global programs at scale.

ADVANCE .NET

CURRICULUM

① INTRODUCTION TO .NET FRAMEWORK

.NET Framework
OverView
CLR,CLS
MSIL
Assemblies
NameSpaces
.NET Languages
Dll's(Vs)Exe's

② BASICS

Getting Started
Using Variables and Arrays
Methods and Parameters
Decision Structures and Loops
Handling Errors and Exceptions

③ OBJECT-ORIENTED PROGRAMMING

Classes, structures, and enums
Constructors

- Destructors
- Properties
- Inheritance
- Shadowing(new methods)
- Overriding
- Method Overloading
- this and base Keyword
- Sealed classes
- Interfaces, Abstract Classes
- Working with Delegates
- Designing and Implementing Events
- Generics
- Sealed classes and Partial classes
- C#.NET Application Architecture
- Solution, Projects
- Compiling, Debugging and Running in IDE

4

INTRODUCTION TO GUI PROGRAMMING

- System.Windows.Forms Assembly
- System.Drawing
- The Form Class
- Win Forms
- Visual Inheritance
- Programming with Controls
- User Controls

4

INTRODUCTION TO GUI PROGRAMMING

System.Windows.Forms Assembly

System.Drawing

The Form Class

Win Forms

Visual Inheritance

Programming with Controls

User Controls

5

INTRODUCTION TO GUI PROGRAMMING

System.IO

Readers and Writers

Streams

System.Collections

Hashtable

ArrayList

6

SERIALIZATION

Formatters

Binary Serialization

Formatters, Binary Formatter

SOAP Serialization

XML Serialization



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ADD.NET I

Introduction

Architecture

System.Data.Dll

System.Data.OleDb

System.Data.SqlClient

Data Readers

Command Object

Procedure Execution (PL/SQL)

8

ADD.NET II : DATA ADAPTERS AND DATASETS

Data Tables

Data Relations

Data Views

9

ASSEMBLIES

Strong Names

GAC

Private and Shared Assemblies

SFA

MFA

10

MULTITHREADING



Threading Introduction

System.Threading NameSpaces

Thread Members

Thread States



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