

Development Basics in Microsoft Dynamics 365 Finance and Operations

Module 1: Introduction to Visual Studio

Lesson 1: Module Overview
Lesson 2: Fleet Management Scenario
Lesson 3: Setup and Configuration
Lesson 4: Terminology and Concepts
Lesson 5: Naming Convention
Lesson 6: Navigation
Lesson 7: Projects, Models, and Packages
Lesson 8: Using Elements
Lesson 9: Performing Builds

Lab: Configure Visual Studio
Lab: Create a Project
Lab: Create an Element
Lab: Build and Compile

Module 2: Architecture

Lesson 1: Application Stack
Lesson 2: Server Architecture
Lesson 3: Cloud Architecture

Module 3: Labels and Resources

Lesson 1: Labels
Lesson 2: Fleet Management Scenario
Lesson 3: Create and Use Labels
Lesson 4: Search Labels
Lesson 5: Best Practices for Labels
Lesson 6: Resources
Lesson 7: Create and Use Resources

Lab: Create Labels

Module 4: Base Enumerations

Lesson 1: Fleet Management Scenario
Lesson 2: Create a Base Enumeration
Lesson 3: Best Practices

Lab: Create Base Enumerations

Module 5: Extended Data Types

Lesson 1: Fleet Management Scenario

Lesson 2: Primitive Data Types

Lesson 3: Create an EDT

Lesson 4: Best Practices

Lab : Create Extended Data Types (EDTs)

Module 6: Tables

Lesson 1: Fleet Management Scenario

Lesson 2: Create a Table

Lesson 3: Adding Data Types

Lesson 4: Key Properties

Lesson 5: Table Inheritance

Lesson 6: Temporary Tables

Lesson 7: Queries

Lesson 8: Best Practices

Lab: Create Tables

Lab: Create Queries

Module 7: Table Indexes

Lesson 1: Fleet Management Scenario

Lesson 2: Index Types

Lesson 3: Create an Index

Lesson 4: Best Practices

Lab: Create an Index

Module 8: Table Relations

Lesson 1: Fleet Management Scenario

Lesson 2: Relations

Lesson 3: Creating a Relation

Lesson 4: Best Practices

Lab: Create a Table Relationship

Module 9: Form Patterns

Lesson 1: Form Patterns and Sub-patterns - Part 1

Lesson 2: Form Patterns and Sub-patterns - Part 2

Lesson 3: Form Patterns and Sub-patterns - Part 3

Lesson 4: Layout Properties

Lesson 5: Check Form Pattern

Module 10: Form Creation

Lesson 1: Fleet Management Scenario

Lesson 2: Create a Form

Lesson 3: Form Controls

Lesson 4: Adding Elements

Lesson 5: Best Practices

Lab: Create Forms

Lab: Adding Elements

Module 11: Menus

Lesson 1: Fleet Management Scenario

Lesson 2: Creating Menu Items

Lesson 3: Creating Menus

Lab: Create Menu Items

Lab: Create a Menu

Module 12: X++ Overview

Lesson 1: Fleet Management Scenario

Lesson 2: Code Editor

Lesson 3: Create a Runnable Class

Lesson 4: Intellisense

Lesson 5: Data Types

Lesson 6: Variable Declaration

Lesson 7: Key Operators

Lesson 8: Basic Syntax - Part 1

Lesson 9: Basic Syntax - Part 2

Lesson 10: Comparison Tools

Lesson 11: Debugger

Lesson 12: Best Practices

Lab: Create a Runnable Class

Module 13: Classes

Lesson 1: Fleet Management Scenario

Lesson 2: Class Structure
Lesson 3: Create a Base Class
Lesson 4: Methods
Lesson 5: Class Inheritance
Lesson 6: Best Practices

Module 14: Database Manipulation

Lesson 1: Fleet Management Scenario
Lesson 2: Data Retrieval
Lesson 3: Reading Records
Lesson 4: Transaction Integrity Checking
Lesson 5: Data Insert
Lesson 6: Data Updates
Lesson 7: Data Deletion

Module 15: Exception Handling

Lesson 1: Fleet Management Scenario
Lesson 2: Exception Types
Lesson 3: Key Commands
Lesson 4: Code Statements

Module 16: Security Basics

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Lesson 2: Create a Role
Lesson 3: Create a Duty
Lesson 4: Security Properties on Key Elements

Module 17: Introduction to Advanced Topics

Lesson 1: Business Intelligence
Lesson 2: Reporting Services
Lesson 3: Services and Integration
Lesson 4: Data Entities