

# 80585: Microsoft Dynamics AX 2012 R2 For Retail In Brick and Mortar Stores: Development and Customization

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## Course Details

### Course Outline

#### 1. Course Objectives

- a. This module explains the objectives of the Microsoft Dynamics for Retail in Brick and Mortar Stores course.

#### 2. Introduction to Point-of-Sale (POS) Overview

- a. Introduction to POS

#### 3. POS Extensibility Technical Overview

- a. Extend Point of Sale
- b. Retail POS Plug-ins
- c. Commerce Data Exchange: Real-time Service Calls

#### 4. POS Framework

- a. POS Architecture Overview

#### 5. Development Environment Requirements

- a. Development Environment Requirements

#### 6. Technical Background

- a. Technical knowledge required to customize POS

#### 7. Localization Information

- a. POS Localization

#### 8. Extensibility Best Practices

- a. Solution Approach
- b. Reference

#### 9. Logon Extensibility – Sample and How-to

- a. Logon Extensibility

#### 10. POS Themes

- a. POS Skins

#### 11. User-Interface Extensibility-Sample and How-to

- a. How to Modify a Form in Microsoft Dynamics AX 2012 R2 POS

## **12. Trigger Extensibility – Sample and How-To**

- a. How to Modify the Trigger Project

## **13. Services Extensibility – Sample and How-To**

- a. How to Modify the Services Project

## **14. Blank Operation Extensibility**

- a. Blank Operation on the Retail POS Register

## **15. Custom Fields on POS Layouts**

- a. Custom Fields on the POS Layout

## **16. Real-Time Services Extensibility – Sample and How-To**

- a. Extending the Retail Transaction Service Ex Class

## **17. POS Payment Connector**

- a. Payment Connector

## **18. POS Database Tool Extensibility for Store and Offline Database**

- a. Create Database Service

## **19. Extensibility Testing Considerations**

- a. Testing
- b. Challenges
- c. Testing Considerations

## **20. Extensibility Deployment and Hotfix Update Considerations**

- a. Deployment Planning
- b. Deploy POS Customizations
- c. Merge Any Existing Code Changes with POS and Redeploy
- d. Install Updates to Non-Database Retail Components
- e. Install Updates to Store Databases by Using the Retail Database Utility
- f. Install Update to CDX: Real-Time Service

## **21. Extensibility Lab Manual**

- a. Lab : Blank Operation Extensibility
- b. Lab : Request for Loyalty card by using Triggers
- c. Lab : Adding manager approval to maximum line discount amount
- d. Lab : View Inventory status of the item across all stores