Microsoft Dynamics 365: Finance and Operations Apps Developer

Module 1: Overview & Architecture
Describe the Dynamics 365 ecosystem and major components of the Dynamics 365 Finance and Operations (FO) software, describe the architecture of D365FO, describe relevant D365FO design and deployment considerations

Lab : Development Environment configuration and Project/Model Creation

Module 2: Developer Tools
Manage system implementations by using Lifecycle Services, Customize D365FO by using Visual Studio, Manage source code and artifacts by using version control, Work with other development tools to complete tasks

Lab : Configuring Visual Studio and new Package/Model/Project creation

Module 3: Solution Design
Determine the required application stack components and server architecture, Implement Application Lifecycle Management (ALM), Design a solution for D365FO

Lab : Requirements discussion

Module 4: AOT Elements
Create forms, Create and extend tables, Create Extended data Types (EDT) and enumerations, Create classes and extend AOT elements

Lab : Create tables
Lab : User interface development

Module 5: Code Development & Testing
Develop X++ code, Develop object-oriented code, Extend D365 FO functionality, Describe test framework and tools, Perform Unit Testing

Lab : Lookup filter
Lab : Generate data
Lab : Perform validation

Module 6: Data Migration
Describe migration tools and methodologies, Plan Migration strategy, Prepare data for migration and migrate data

Lab : Create a data entity and import data

Module 7: Frameworks
Implement D365 FO functionality

Lab : Extend the number sequence framework

Module 8: Integration
Identify Data integration patterns and scenarios, Implement Data integration concepts and solutions, Implement Recurring integrations, Integrate D365FO with Microsoft Azure, Troubleshoot integration errors, Implement the Data Management Package API

Lab : Create a custom business event

Module 9: Reporting
Describe the capabilities and limitations of reporting tools in D365FO, Design, create, and revise Dynamics Reports, Design, create, and revise Dynamics workspaces, Design, create, and revise data sources that connect to data stores external to D365FO

Lab : Develop a BI report

Module 10: Security & Performance
Describe and implement performance tools and LCS Environment Monitoring tools, Implement role-based security policies and requirements, Apply fundamental performance optimization techniques, Optimize performance for batch processes, Optimize user interface performance, Enhance Integration performance, Optimize Report Performance

Lab : Demonstrate asynchronous vs. synchronous processing