Microsoft PowerApps + Dynamics 365 Developer (MB-400)

Modality: Virtual Classroom

Duration: 3 Days

SATV Value: 3

About this course:

The Microsoft Power Platform helps organizations optimize their operations by automating routine tasks and standardizing business best practices. A PowerApps Developer is a professional software developer who extends the Power Platform to solve complex business problems. In this course, PowerApps Developers will build on their existing knowledge of the Power Platform, Microsoft stack, and standard development tools and practices. PowerApps Developers will learn how to estimate effort and scope; validate requirements and design technical architecture; create data models; determine implementation tools; and document their technical design. Broad topics will include implementing user security and accessibility; managing environments; extending the Common Data Service; creating and using web resources; and working with plug-ins.

Course Objectives:

After completing this course, students will be able to:

- Create and document a data model
- Implement entities and fields
- Create and maintain solutions
- Automate business processes
- Extend the user experience
- Develop integrations

Audience:

A PowerApps Developer is responsible for designing, developing, securing, extending, and integrating a platform implementation. The developer implements components of the solution that include application enhancements, custom user experience, system integrations, data conversions, custom process automation, and custom visualizations.

Prerequisites:

Before attending this course, students must have:

- A basic understanding of the Power Platform.
- Experience in software development against the Microsoft stack and Visual Studio.
- Experience in administering solutions in Azure (preferred).

Course Outline:

Module 1: Introduction to developing with the Power Platform

In this module, students will learn about developer resources and how to leverage them to extend the Power Platform.

Lessons

- Introduction to Power Platform developer resources
- Use developer tools to extend the Power Platform
- Introduction to extending the Power Platform

After completing this module, students will be able to:

- Identify the functionality of developer tools
- Use developer tools

Module 2: Extending the Power Platform Common Data Service

In this module, students will learn how and when to use plug-ins or other tools to extend the Common Data Service.

Lessons

- Introduction to Common Data Service for developers
- Extend plug-ins

After completing this module, students will be able to:

- Write a plug-in
- Use a plug-in to extend the Common Data Service

Module 3: Extending the Power Platform user experience

In this module, students will learn how to leverage web resources and client script to extend the Power Platform user experience.

Lessons

- Introduction to web resources
- Performing common actions with client script
- Automate Business Process Flows with client script

After completing this module, students will be able to:

- Use web resources
- Write client script
- Extend business process flows