Course Outline

MB-400T00-A: Microsoft Power Apps + Dynamics 365 Developer

Course Summary

Description

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.

Objectives

By the end of the 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

Topics

- Introduction to developing with the Power Platform
- Extending the Power Platform Common Data Service
- Extending the Power Platform user experience

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.

Prerequisite

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).

Duration

Three Days

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I. *Introduction to developing with the Power Platform*
    A. In this module, students will learn about developer resources and how to leverage them to extend the Power Platform.
        1. Introduction to Power Platform developer resources
        2. Use developer tools to extend the Power Platform
        3. Introduction to extending the Power Platform

II. *Extending the Power Platform Common Data Service*
    A. In this module, students will learn how and when to use plug-ins or other tools to extend the Common Data Service.
        1. Introduction to Common Data Service for developers
        2. Extend plug-ins

III. *Extending the Power Platform user experience*
    A. In this module, students will learn how to leverage web resources and client script to extend the Power Platform user experience.
        1. Introduction to web resources
        2. Performing common actions with client script
        3. Automate Business Process Flows with client script