AB-400T00: Extend Microsoft Power Platform Solutions with code and AI

Course Description

Extend Microsoft Power Platform solutions with custom code and AI to build modern business applications. Explore advanced extensibility and customization, Power Apps code apps, and the integration of Microsoft Foundry and Copilot Studio agents. Apply core Power Platform development skills alongside AI-powered application development patterns to create connected, intelligent solutions.

Course Duration

3 days

Prerequisites

You have working experience with:

- Microsoft Power Platform services
- JavaScript, TypeScript, JSON, and Power Fx
- C#, Python, HTML, and YAML
- RESTful web APIs
- Microsoft Azure
- Microsoft Foundry
- Microsoft Copilot Studio

Course Outline

1. Extend Dataverse with code and Azure compute

- Get started with Microsoft Power Platform development
- Implement business logic with Microsoft Dataverse plug-ins
- Harden Dataverse extensions for production workloads
- Perform reliable operations with Microsoft Dataverse APIs
- Diagnose advanced Microsoft Dataverse API failures
- Process Power Platform workloads with Azure Functions

2. Build professional Power Apps experiences

- Build Dataverse experiences with Power Apps code apps
- Connect Power Apps code apps to platform services
- Deploy and operate secure Power Apps code apps
- Apply client-side logic in model-driven Power Apps
- Build reusable controls with Power Apps component framework

3. Build automation and agent integrations

- Implement resilient Power Automate cloud-flow logic
- Consume Dataverse MCP servers from MCP clients
- Integrate custom agents with Microsoft Power Platform

4. Integrate Dataverse with services and external data

- Publish Microsoft Dataverse events to external services
- Synchronize external data reliably with Microsoft Dataverse
- Connect external APIs with Power Platform custom connectors

5. Design and deliver secure Power Platform solutions

- Evaluate Microsoft Power Platform solution implementation options
- Design extensible Microsoft Power Platform solution components
- Deliver Power Platform solutions through governed ALM

Who Should Attend

Microsoft Power Platform developers who extend and customize business solutions with code and integrate AI capabilities into applications. This course is intended for pro-developers building custom application experiences and agent integrations, including those preparing for Exam AB-400 toward the Microsoft Certified: Power Platform Developer Associate certification.