Training: Microsoft

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

TRAINING GOALS:

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.

Audience Profile

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. Prerequisites for this course is that 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

CONSPECT:

- Build Microsoft Power Platform solutions
  - Module 1: Design the technical architecture
  - Module 2: Design solution components
  - Module 3: Implement application lifecycle management (ALM)
- Extend the user experience
  - Module 1: Apply business logic in model-driven apps by using client scripting
  - Module 2: Create PCF code components

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- Module 3: Build Power Apps code apps
- Module 4: Deploy and manage Power Apps code apps

- Extend Microsoft Power Platform
  - Module 1: Create a Dataverse plug-in
  - Module 2: Perform operations by using platform APIs
  - Module 3: Process workloads by using Microsoft Azure Functions
  - Module 4: Configure Power Automate cloud flows and Copilot Studio workflows
  - Module 5: Build Microsoft Foundry agents by using code that integrates with the Microsoft Power Platform
- Develop integrations
  - Module 1: Publish and consume Dataverse events
  - Module 2: Implement synchronization for Dataverse data
  - Module 3: Create custom connectors

REQUIREMENTS:

- Hands-on experience with Microsoft Power Platform
- Proficiency in web development technologies, particularly HTML, CSS, JavaScript, TypeScript, and JSON.
- Proficiency in object-oriented programming
- Familiarity with RESTful APIs and integration techniques
- Knowledge of Microsoft Azure development services
- Basic understanding of AI integration tools and concepts
- Experience with software development lifecycle (SDLC) practices

Difficulty level

CERTIFICATE:

The participants will obtain certificates signed by Microsoft (course completion).

TRAINER:

Microsoft Certified Trainer (MCT)

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