Microsoft Power Platform Developer

Learn via: **Classroom**

Duration: **5 Day**

https://bilginc.com/en/training/microsoft-power-platform-developer-4225-training/

Overview

In this course, delegates will learn how to build Power Apps, Power Automate flows and extend the platform to complete business requirements and solve complex business problems.

Additional delegates will design, develop, test, secure, and troubleshoot Microsoft Power Platform solutions. Delegates will implement components of a solution that include application enhancements, custom user experiences, system integrations, data conversions, and custom process automation.

Prerequisites

- It is important that delegates have development experience that includes Microsoft Power Platform services, JavaScript, JSON, TypeScript, C#, HTML, .NET, RESTful Web APIs, and Microsoft Azure.
- Additionally delegates should have strong applied knowledge of Microsoft Power Platform services, including in-depth understanding of capabilities, boundaries, and constraints. Candidates should have a basic understanding of application lifecycle management (ALM) practices for Microsoft Power Platform.

What You Will Learn

- To work with the Microsoft Dataverse
- Create and enhance with advanced techniques Power apps (model-driven and Canvas apps)
- Configure business process automation
- Introduction to development in the Microsoft Power Platform
- Extend the model-driven app user experience
- Create code using the Power Apps Component Framework (PCF)
- Extend the Microsoft Dataverse
- Integrate Microsoft Dataverse with Azure
- Create custom connectors

Outline

Learning Path 1: Work with Microsoft Dataverse

- Introduction to Microsoft Dataverse
- Manage Environments
- Manage customisations with solutions
- Create and manage tables in Microsoft Dataverse
- Create and manage columns in Microsoft Dataverse
- Create relationships between tables
- Create and define calculated and rollup columns in Microsoft Dataverse
- Define and create Business Rules in Microsoft Dataverse
- Manage security in Microsoft Dataverse

Learning Path 2: Create Model-driven apps

- Get started with model-driven apps
- Configure forms
- Configure views
- Command Bar

Learning Path 3: Create Canvas apps

- Get started with Canvas apps

- Understand low code as a developer
- Customise a Canvas app
- Navigation in Canvas apps
- Power Fx formulas
- Canvas components
- Document and test Power apps

Learning Path 4: Advanced techniques in Canvas apps

- Use imperative development techniques for canvas apps
- Perform custom updates in a canvas app
- Use Dataverse choice columns with formulas
- Work with relational data in a canvas app
- Work with data source limits (delegation limits) in a canvas app
- Performance in canvas apps

Learning Path 5: Automate a business process using Power Automate

- Get stated with Power Automate
- Introduction to expressions in Power Automate
- Use Dataverse triggers and actions in Power Automate
- Advanced features of cloud flows

Learning Path 6: Introduction to developing with Power Platform

- Introduction to Microsoft Power Platform developer resources
- Use developer tools to extend Microsoft Power Platform
- Introduction to extending Microsoft Power Platform
- Work with Dataverse APIs

Learning Path 7: Extending the model-driven apps user experience

- Performing common actions with client script
- Best practices with client script

Learning Path 8: Create code components with Power Apps Component Framework (PCF)

- Get started with Power Apps Component Framework

Learning Path 9: Extending Microsoft Dataverse

- Introduction to Dataverse for developers
- Create plug-ins

Learning Path 10: Integrate with Dataverse and Azure

- Integrate with Azure
- Integrate with Dataverse

Learning Path 11: Custom Connectors

- Get started with custom connectors in Power Automate

Learning Path 12: Application Lifecycle Management

- Solutions and Application Lifecycle Management

Learning Path 13: Create a technical design (Optional / If time permits)

- Technical architecture