PL-400T00: Microsoft Power Platform Developer

Course Description

The Microsoft Power Platform helps organizations optimize their operations by simplifying, automating, and transforming business tasks and processes. In this course, students will learn how to build Power Apps, Automate Flows and extend the platform to complete business requirements and solve complex business problems.

Course Duration

5 days

Prerequisites

- Candidates should have an introductory knowledge of Power Platfom
- Candidates should have development experience that includes JavaScript, JSON, TypeScript, C#, HTML, .NET, Microsoft Azure, Microsoft 365, RESTful Web Services, ASP.NET, and Power BI

Course Outline

- How to build your first model-driven app with Dataverse
- Get started with model-driven apps in Power Apps
- Manage tables in Dataverse
- Create and manage columns within a table in Dataverse
- Working with choices in Dataverse
- Create a relationship between tables in Dataverse
- Define and create business rules in Dataverse
- Create and define calculation or rollup columns in Dataverse
- Get started with security roles in Dataverse
- Get started with Power Apps canvas apps
- Customize a canvas app in Power Apps
- Manage apps in Power Apps
- Navigation in a canvas app in Power Apps
- How to build the UI in a canvas app in Power Apps
- Use and understand Controls in a canvas app in Power Apps
- Document and test your Power Apps application
- Use imperative development techniques for canvas apps in Power Apps
- Create formulas that use tables, records, and collections in a canvas app in Power Apps
- Perform custom updates in a Power Apps canvas app
- Complete testing and performance checks in a Power Apps canvas app
- Work with relational data in a Power Apps canvas app
- Work with data source limits (delegation limits) in a Power Apps canvas app
- Connect to other data in a Power Apps canvas app
- Use custom connectors in a Power Apps canvas app

- Get started with Power Automate
- Build approval flows with Power Automate
- Introduction to expressions in Power Automate
- Introduction to Microsoft Power Platform developer resources
- Use developer tools to extend Microsoft Power Platform
- Introduction to extending Microsoft Power Platform
- Introduction to Dataverse for developers
- Extend plug-ins
- Performing common actions with client script
- Automate business process flows with client script
- Get started with Power Apps component framework
- Build a Power Apps component
- Use advanced features with Power Apps component framework
- Access Dataverse in Power Apps portals
- Extend Power Apps portals
- Build custom Power Apps portals web templates
- Work with Dataverse Web API
- Integrate Dataverse Azure solutions

Who Should Attend

Candidates for this course design, develop, secure, and troubleshoot Power Platform solutions. Candidates implement components of a solution that include application enhancements, custom user experience, system integrations, data conversions, custom process automation, and custom visualizations.

Candidates will gain applied knowledge of Power Platform services, including in-depth understanding of capabilities, boundaries, and constraints. Candidates should have development experience that includes JavaScript, JSON, TypeScript, C#, HTML, .NET, Microsoft Azure, Microsoft 365, RESTful Web Services, ASP.NET, and Power BI.