

PL - 400 : Microsoft Power Platform Developer

Course Outline

Module 1: Create a Model-Driven Application in Power Apps

Lessons

- Introduction to Model-Driven Apps and Common Data Service
- Get Started with Model-Driven Apps in Power Apps
- Create and Manage Entities in Common Data Service
- Create and Manage Fields within an Entity in Common Data Service
- Working with Option Sets in Common Data Service
- Create a Relationship between Entities in Common Data Service
- Define and Create Business Rules in Common Data Service
- Create and Define Calculation or Rollup Fields in Common Data Service
- Get Started with Security Roles in Common Data Service

Module 2: Create a Canvas App in Power Apps

Lessons

- Get Started with Power Apps
- Customize a Canvas App in Power Apps
- Manage Apps in Power Apps
- Navigation in a Canvas App in Power Apps
- 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

Module 3: Master Advanced Techniques and Data Options in Canvas Apps

Lessons

- Use Imperative Development Techniques for Canvas Apps in Power Apps
- Author an Advanced Formula that Uses 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

Module 4: Automate a Business Process Using Power Automate

Lessons

- Get Started with Power Automate
- Build More Complex Flows with Power Automate
- Introduction to Business Process Flows in Power Automate
- Create an Immersive Business Process Flow in Power Automate
- Understand Advanced Business Process Flow Concepts in Power Automate
- Introduction to Expressions in Power Automate

Module 5: Introduction to Developing with Power Platform

Lessons

- Introduction to Power Platform Developer Resources
- Use Developer Tools to Extend the Power Platform
- Introduction to Extending the Microsoft Power Platform

Module 6: Extending the Power Platform Common Data Service

Lessons

- Introduction to Common Data Service for Developers
- Extend Plug-ins

Module 7: Extending the Power Platform User Experience for Model-Driven Apps

Lessons

- Introduction to Web Resources
- Performing Common Actions with Client Script
- Automate Business Process Flows with Client Script

Module 8: Create Components with Power Apps Component Framework

Lessons

- Get Started with Power Apps Component Framework
- Build a Power Apps Component
- Use Advanced Features with Power Apps Component Framework

Module 9: Extend Power Apps Portals

Lessons

- Introduction to Power Apps Portals
- Access Common Data Service in Power Apps Portals
- Extend Power Apps Portals
- Build Custom Power Apps Portals Web Templates

Module 10: Integrate with Power Platform and Common Data Service

Lessons

- Work with Common Data Service Web API
- Integrate Common Data Service with Azure Solutions