

PL-7003: Create and Manage Model-Driven Apps with Power Apps and Dataverse

Course Duration: 8 Hours

Course code: PL-7003

1. Course Overview

The PL-7003: Create and Manage Model-Driven Apps with Power Apps and Dataverse course provides a comprehensive introduction to building enterprise-grade applications without extensive coding. You'll learn how to leverage Microsoft Power Apps to design, configure, and manage model-driven applications that integrate seamlessly with Microsoft Dataverse. This course covers everything from designing data models to customizing business processes and implementing security roles, enabling you to create powerful, scalable, and data-driven solutions for your organization.

2. What you'll learn?

By the end of this course, you will be able to:

- Understand the fundamentals of model-driven apps in Power Apps.
- Build and customize model-driven applications to meet business needs.
- Work effectively with Microsoft Dataverse to create and manage data models.
- Configure forms, views, charts, and dashboards.
- Apply business rules, workflows, and process automation.
- Implement security and role-based access controls.
- Deploy and maintain model-driven apps for long-term scalability.

3. Target Audience

This course is ideal for:

- Power Platform functional consultants.
- Solution architects and business analysts.
- Developers looking to expand into Power Platform app development.
- IT professionals involved in building low-code business solutions.
- Anyone responsible for creating and managing business applications in Microsoft 365 environments.

4. Pre-Requisites

- Basic understanding of Microsoft Power Platform components.
- Familiarity with Microsoft 365 and cloud concepts.
- Knowledge of data modeling concepts (recommended but not mandatory).

5. Course content

Module 1: Introduction to Model-Driven Apps

- Overview of Power Apps
- Canvas vs. Model-Driven apps
- Use cases and benefits of model-driven applications

Module 2: Introduction to Microsoft Dataverse

- Understanding Dataverse data storage
- Tables, columns, and relationships
- Data types and constraints

Module 3: Building Your First Model-Driven App

- Creating and configuring apps
- Using the app designer
- Adding forms, views, and navigation

Module 4: Customizing Forms and Views

- Configuring fields and sections
- Adding conditional logic with business rules
- Creating custom views for different user roles

Module 5: Implementing Business Process Flows

- Designing guided processes
- Stages, steps, and branching logic
- Integration with Power Automate

Module 6: Security and Access Control

- Configuring security roles
- Field-level security
- Managing environment access

Module 7: Visualizations and Dashboards

- Creating charts and dashboards
- Embedding visuals in apps
- Customizing KPIs and metrics

Module 8: Managing and Deploying Apps

- Version control and publishing
- Exporting and importing solutions
- Best practices for long-term maintenance