



PL-100T00: Microsoft Power Platform App Maker

Course ID #: 7000-375-ZZ-Z

Hours: 28

Course Content

Course Description:

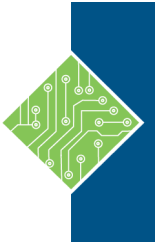
This course will teach you how to build apps with low-code techniques to simplify, automate, and transform business tasks and processes using Microsoft Power Platform. This course may contain a 1-day Applied Workshop that is in preview. This workshop will allow you to practice your App Maker skills by creating an end-to-end solution to solve a problem for a fictitious company. The solution will include a Microsoft Dataverse database, Power Apps canvas app, and Power Automate flows.

Prerequisites:

- Basic data modeling, user experience design, requirements analysis, and process analysis skills.
- A personal growth mindset and are comfortable using technology to solve business problems.
- An understanding of the operational need and have a vision of the desired outcome. They approach problems with phased and iterative strategies.

Target Audience:

The App Maker builds solutions to simplify, automate, and transform tasks and processes for themselves and their team where they have deep expertise in the solution business domain. They have basic data modeling, user experience design, requirements analysis, and process analysis skills. The App Maker creates and enforces business processes, structures digital collection of information, improves efficiency of repeatable tasks, and automates business processes. The App Maker uses the Maker tools of Power Platform to solve business problems. They may use advanced features of Microsoft apps and third-party productivity tools. The App Maker is aware of the capabilities and limitations of available tools and understands how to apply them. The App Maker is self-directed, and solution focused. They may not have formal IT training but are comfortable using technology to solve business problems with a personal growth mindset. They understand the operational need and have a vision of the desired outcome. They approach problems with phased and iterative strategies.



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Topics:

Lesson 1: Describe the business value of the Microsoft Power Platform

- Introduction
- Explore Microsoft Power Platform
- Describe the business value of Power Platform
- Explore connectors and Microsoft Dataverse
- Describe how Power Platform works with Microsoft 365 apps and services
- Explore how Power Platform works with Microsoft Dynamics 365 apps
- Describe how Power Platform solutions consume Microsoft Azure services
- Explore how Microsoft Power Platform apps work together
- Knowledge check
- Summary and resources

Lesson 2: How to build your first model-driven app with Dataverse

- Introduction to Dataverse
- Introduction to model-driven apps
- Model-driven apps, powered by Microsoft Dataverse
- Explore sample apps
- Check your knowledge
- Summary

Lesson 3: Create tables in Dataverse

- Introduction to Microsoft Dataverse
- Table characteristics
- Exercise – Create a Microsoft Dataverse table
- Exercise – Import data into your Microsoft Dataverse database
- Table relationships
- Exercise – Create table relationships
- Dataverse logic and security
- Exercise – Create a custom table and import data
- Dataverse auditing
- Dual-write vs. virtual tables
- Check your knowledge
- Summary

Lesson 4: Get started with model-driven apps in Power Apps

- Introducing model-driven apps
- Components of model-driven apps
- Design model-driven apps
- Exercise
- Exercise – Control security when sharing model-driven apps
- Incorporate business process flows
- Exercise – Create a model-driven app
- Check your knowledge
- Summary



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Lesson 5: Create and manage columns within a table in Dataverse

- Define columns in Microsoft Dataverse
- Column types in Microsoft Dataverse
- Add a column to a table
- Create a primary name column
- Restrictions that apply to columns in a table
- Create an auto numbering column
- Create an alternate key
- Exercises
- Check your knowledge
- Summary

Lesson 6: Get started with security roles in Dataverse

- Introduction to environment roles
- Understand environment roles
- Adding or disabling an environment user
- Understand security concepts in Dataverse
- Understand user security roles and security role defaults
- Exercise – Create a custom role
- Check the roles that a user belongs to
- Configure Dataverse group teams for security
- Check your knowledge
- Summary

Lesson 7: Document and test your Power Apps application

- Create test plans
- User interface testing
- Performance optimization
- Diagnostics and analytics
- Documentation and the customer
- Check your knowledge
- Summary

Lesson 8: Get started with Microsoft Dataverse for Teams

- Introduction
- Provision your first Dataverse environment
- Create your first table to store data
- Check your knowledge
- Summary

Lesson 9: Build your first app with Power Apps and Dataverse for Teams

- Introduction
- Create your first app with the hero template
- Customize your app with Power Apps Studio
- Publish your app
- Install template apps
- Check your knowledge
- Summary

Lesson 10: Create a canvas app in Power Apps

- Introduction to Power Apps
- Power Apps building blocks
- Exercise – Create your first app in Power Apps
- Ways to build Power Apps
- Power Apps related technologies
- Additional Power Apps related technologies
- Designing Power Apps app
- Check your knowledge
- Summary

Lesson 11: Navigation in a canvas app in Power Apps

- Understanding navigation
- The navigation and back function
- Lab – Create navigation functions
- More ways to use the navigation function
- Check your knowledge
- Summary



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Lesson 12: How to build the UI in a canvas app in Power Apps

- Use themes to quickly change the appearance of your app
- Branding a control
- Icons
- Images
- Personalization
- Using the tablet or phone form factors
- Exercise – Create UI for a new canvas app
- Check your knowledge
- Summary

Lesson 13: Use and understand Controls in a canvas app in Power Apps

- Introduction to controls
- Core properties of controls
- Entering and displaying data with text controls
- Additional controls for enhancing your app's usability
- Media
- Lab – Create a canvas app with unique controls
- Check your knowledge
- Summary

Lesson 14: Get started with Power Automate

- Introducing Power Automate
- Exercise – Create your first flow
- Exercise – Create recurring flows
- Exercise – Monitor incoming emails
- Exercise – Share flows
- Troubleshoot flows
- Check your knowledge
- Summary

Lesson 15: Use the Admin center to manage environments and data policies in Power Automate

- Administer flows
- Export and import flows
- Learn how to distribute button flows
- Check your knowledge
- Summary

Lesson 16: Introduction to Microsoft Power Platform security and governance

- Introduction
- Identify Microsoft Power Platform environments
- Data Loss Prevention policies
- Microsoft Power Platform Center of Excellence Starter Kit
- Exercise – Create a Power Platform environment
- Check your knowledge
- Summary

Lesson 17: Build your first workflow with Power Automate and Dataverse for Teams

- Introduction
- Types of workflows that Power Automate can build in Dataverse
- Exercise – Create a workflow that triggers when a new message is created
- Exercise – Add a flow to your Power Apps app
- Schedule a flow
- Check your knowledge
- Summary

Lesson 18: Get started building with Power BI

- Introduction
- Use Power BI
- Building blocks of Power BI
- Tour and use the Power BI service
- Check your knowledge
- Summary

Lesson 19: Get data with Power BI Desktop

- Overview of Power BI Desktop
- Explore Power BI Desktop
- Connect to data sources
- Get data from Excel
- Transform data to include a report
- Combine data from multiple sources
- Clean data to include in a report
- Check your knowledge
- Summary



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Lesson 20: Create reports with Power BI and Dataverse for Teams

- Introduction
- Connect to and transform Dataverse for Teams data from Power BI
- Create a Power BI report
- Publish the report
- Share the data
- Check your knowledge
- Summary

Lesson 21: Get started with AI Builder

- Introduction to AI Builder
- Choose an AI capability
- Create your first model
- Ways to use your models
- Check your knowledge
- Summary

Lesson 22: Create a chatbot with Power Virtual Agents and Dataverse for Teams

- Introduction
- Create your first chatbot
- Create and modify topics
- Add inputs, variables, and conditions
- Call an action to pull in Dataverse for Teams data
- Publish and share your new chatbot
- Check your knowledge
- Summary

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