

MS-PL7001: CREATE AND MANAGE CANVAS APPS WITH POWER APPS



DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
1 Day	Intermediate	Power Apps	Instructor-led	NA

INTRODUCTION

Create your own data model and canvas app to support a scenario for a fictional company. You're provided high-level specifications on the custom tables, columns and canvas app needed to complete this project.

AUDIENCE PROFILE

This course is tailored to professionals who are involved in application development and data management. Here's a breakdown of the ideal participants:

- Application Developers: Those who build custom business applications and want to leverage Power Apps for low-code development.
- IT Professionals: Individuals responsible for managing data systems and integrating business solutions.
- Business Analysts: Professionals who analyze business needs and seek to create tailored apps that improve workflows and decision-making.
- Power Users: Anyone looking to enhance their skills in creating, customizing, and managing canvas apps using Power Apps.

PREREQUISITES

You should understand application development, writing formulas such as those in Excel, and creating, reading, updating, and deleting data.

COURSE OBJECTIVES

After completing this course, delegates will be able to:

- Create Custom Canvas Apps
- Learn to build interactive applications using Power Apps' drag-and-drop interface.
- Integrate Data Sources
- Connect apps to platforms like SharePoint, Excel, SQL, and Dataverse to manage and manipulate data effectively.
- Design User Interfaces
- Develop engaging and intuitive interfaces tailored for optimal user experience.
- Implement Business Logic
- Use Power Fx formulas to automate workflows and enhance app functionality.
- Publish, Share, and Maintain Apps
- Deploy apps across your organization, manage user access, and handle version control.
- Optimize Business Processes
- Improve efficiency by automating tasks and reducing manual work through custom applications.

COURSE CONTENT

Module 1: Get started with Power Apps canvas apps

This module introduces the learner to Power Apps. It starts with an introduction video briefly describing the "why" (case for Power Apps) and the "what" for what users can do with Power Apps. The units then take users through the "how" instilling in them the confidence that they can use Power Apps to interact with their data.

Lessons

- Introduction to Power Apps.
- Start Power Apps.
- Exercise - Create your first app in Power Apps.
- Power Apps data sources.
- Exercise - Create an app from Excel using Copilot.

- Use Power Apps with Power Automate and Power BI.
 - Designing a Power Apps app.
 - Check your knowledge.
- By the end of this module, you'll be able to:
- Explore how Power Apps can make your business more efficient.
 - Use different technologies to perform different tasks in Power Apps.
 - Build an app in Power Apps in different ways.
 - Create your first app from data in an Excel workbook.

Module 2: Customize a canvas app in Power Apps

In this module, we'll show learners how to customize their app, a necessary skill for taking advantage of the capabilities of Power Apps. This unit builds upon the app produced in the first unit.

Lessons

- Improve your app by making basic customizations.
- Explore controls and screens in canvas apps.
- Exercise - Introduction to formulas in canvas apps.
- Exercise - Create basic screen navigation for a canvas app.
- Check your knowledge.

By the end of this module, you'll be able to:

- Change the layout of a gallery.
- Change the data that a control portrays.
- Modify a form control to show different data fields.
- Learn about gallery and form controls.
- Add a screen.
- Learn how to modify label properties by using basic formulas.
- Add labels.
- Learn how to create basic screen navigation.

Module 3: How to build the User Interface in a canvas app in Power Apps

In this module, learners will learn how to build UI for their app including theming, icons, images, personalization, form factors and controls. In their learning path, thus far, learners have used basic controls with little to no customization. This unit shows how to make an app more personal and help it fit branding or personal requirements.

Lessons

- Use themes to quickly change the appearance of your app.
- Brand a control.
- Icons.
- Images.
- Personalization.
- Build for phones or tablets.
- Exercise - Create and adjust UI for a new canvas app.
- Check your knowledge.

By the end of this module, you'll be able to:

- Understand the basics of building the UI through themes, icons, control customization, and images.
- Use personalization in a canvas app.
- Learn how to preview and modify an app to fit different form factors.

Module 4: Work with external data in a Power Apps canvas app

Do you need to connect an app to access data? Then this module is for you. It focuses on connecting your app to a data source.

Lessons

- Introduction.
- Data-source overview.
- Add a data source.
- Add Office 365 users to your application.
- Display and interact with your data in a gallery.
- Move data between collections and data sources by using Collect.
- Exercise - Work with external data in a canvas app.
- Check your knowledge.

By the end of this module, you'll be able to:

- Understand data sources for canvas apps in Power Apps.
- Use the Collect function.

Module 5: Write data in a Power Apps canvas app

Forms can be used to view, edit, and create records. This module demonstrates how to use forms to write data to your data source.

Topics will include form setup, the different form modes, and how to configure a submit button.

Lessons

- Introduction to forms.
- Form modes.
- Adding and customizing an Edit form.
- Submit your form.
- Special properties.
- Exercise- Working with forms.
- Check your knowledge.

By the end of this module, you'll be able to:

- Understand how to work with Forms in canvas apps.
- Configure a submit button to write data.
- Use and Understand the different form modes.

Module 6: Publish, share, and maintain a canvas app

You've built your first app. Now, it's time to publish, share it with others, and maintain subsequent versions of the app.

Lessons

- Introduction.
- Exercise - Publish your app.
- Exercise - Share your app.
- Exercise - Maintain your app.
- Application lifecycle management.
- Check your knowledge.

In this module, you'll practice how to:

- Learn how to introduce the primary app build.
- Discover how to launch future iterations of the app.
- Learn how to manage versions and publish your app.

Module 7: Guided Project - Create and manage canvas apps with Power Apps

Create your own data model and canvas app to support a scenario for a fictional company. You're provided high-level specifications on the custom tables, columns and canvas app needed to complete this project.

Lessons

- Introduction.
- Prepare.
- Exercise - Create a canvas app that connects to a data source.
- Knowledge check.

In this module, you'll practice how to:

- Connect to data sources in canvas apps.
- Build canvas apps screens.
- Select appropriate assets and components.
- Add canvas app assets and components to screens.

ASSOCIATED CERTIFICATIONS & EXAM

There is no Associated Certification or Exam for this course; however, there is an assessment to achieve your Applied Skills credential. ([Assessment Link](#))