

**Microsoft Power Platform App Maker (PL-100)**

**Course Number:** MOC-PL-100  
**Duration:** 4 days

**Overview**

This live, online or on-site Microsoft Power Platform App Maker course (PL-100) teaches teams how to build apps using low-code techniques to simplify, automate, and transform business tasks and processes. This course prepares students for the [PL-100 exam](https://docs.microsoft.com/en-us/learn/certifications/exams/PL-100) for which every attendee receives a voucher.

**Prerequisites**

All students must have basic data modeling, user experience design, requirements analysis, and process analysis skills.

**Materials**

All MS Power Platform training students receive Microsoft official courseware.

For all Microsoft Official Courses taught in their entirety that have a corresponding certification exam, an exam voucher is included for each participant.

**Software Needed on Each Student PC**

Attendees will not need to install any software on their computer for this class. The class will be conducted in a remote environment that Accelebrate will provide; students will only need a local computer with a web browser and a stable Internet connection. Any recent version of Microsoft Edge, Mozilla Firefox, or Google Chrome will be fine.

**Objectives**

* Use the components and features of Microsoft Power Platform
* Understand security roles and apply them to users in an environment
* Build apps, workflows, chatbots, and dashboards
* Understand how business process flows are used within Microsoft Power Platform and Dataverse
* Discover how Power BI services and applications work together
* Create compelling visuals and reports
* Import a Microsoft Dataverse dataset into Power BI
* Explore how AI Builder can help improve your business performance
* Use your models in Power Apps and Power Automate
* Create a chatbot

**Outline**

* Introduction to Microsoft Power Platform
  + What is Microsoft Power Platform?
  + The business value of Microsoft Power Platform
  + Data Connectors
  + Data loss prevention, compliance, privacy, and accessibility
* Introduction to Model-Driven Apps and Dataverse
  + Introduction to Microsoft Dataverse
  + Introduction to model-driven apps
  + Microsoft Dataverse and model-driven apps working together
  + Sample Template Apps
* Create Tables in Dataverse
  + Introduction to Microsoft Dataverse
  + Table characteristics
  + Dual-write vs. virtual tables
  + Dataverse auditing
  + Create a Microsoft Dataverse table
  + Import data into your Microsoft Dataverse database
  + Create a custom table and import data
* Get Started with Model-Driven Apps in Power Apps
  + Introducing model-driven apps
  + Building blocks of model-driven apps
  + Design model-driven apps
  + Control security when sharing model-driven apps
  + Incorporate business process flows
  + Create a model-driven app
  + 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
* 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 defaults6
  + Exercise - Create a custom role
  + Check the roles that a user belongs to
  + Configure Dataverse teams for security
  + Configure Dataverse group teams for security
* Document and Test your Power Apps Application
  + Create test plans
  + User interface testing
  + Performance optimization
  + Diagnostics and analytics
  + Documentation and the customer
* Get Started with Microsoft Dataverse for Teams
  + Provision your first Dataverse environment
  + Create your first table to store data
* Build  Your First App with Power Apps and Dataverse for Teams
  + Create your first app with the hero template
  + Customize your app with Power Apps Studio
  + Publish your app
  + Install template apps
* Create a Canvas App in Power Apps
  + Introduction to Power Apps
  + Power Apps building blocks
  + Create your first app in Power Apps
  + Ways to build Power Apps
  + Power Apps related technologies
  + Additional Power Apps related technologies
  + Designing a Power Apps app
* 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
* 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
  + Create UI for a new canvas app
* 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
  + Create a canvas app with unique controls
* Get Started with Power Automate
  + Introducing Power Automate
  + Create your first flow
  + Create recurring flows
  + Monitor incoming emails
  + Share flows
  + Troubleshoot flows
* 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
* Introduction to Business Process Flows in Power Automate
  + Introduction to business process flows
  + Differences between a business process flow and a regular flow in Power Automate
  + Uses of a business process flow and a standard Power Automate flow
* Introduction to Microsoft Power Platform security and governance
  + Identify Microsoft Power Platform environments
  + Data Loss Prevention policies
  + Microsoft Power Platform Center of Excellence Starter Kit
  + Create a Power Platform environment
* Build your First Workflow with Power Automate and Dataverse for Teams
  + Types of workflows that Power Automate can build in Dataverse
  + Create a workflow that triggers when a new message is created
  + Add a flow to your Power Apps app8 min
  + Schedule a flow
* Get Started Building with Power BI
  + Use Power BI
  + Building blocks of Power BI
  + Tour and use the Power BI service
* Get Data with Power BI Desktop
  + Overview of Power BI Desktop
  + Explore Power BI Desktop
  + Connect to data sources
  + Get data from Excel5 min
  + Transform data to include in a report
  + Combine data from multiple sources
  + Clean data to include in a report
* Create Reports with Power BI and Dataverse for Teams
  + Connect to and transform Dataverse for Teams data from Power BI
  + Create a Power BI report
  + Publish the report
  + Share the data
* Get started with AI Builder
  + Introduction to AI Builder
  + Choose an AI capability
  + Create your first model
  + Ways to use your models
* Create a Chatbot with Power Virtual Agents and Dataverse for Teams
  + 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
* Conclusion