

**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