Creating Apps and Automated Workflows with MIcrosoft Power Platform(PL-7001, PL-7002, PL-7003

Duration: *4 Day(s)*

Course Overview

Transition from the retiring PL-100T00: Microsoft Power Platform App Maker to the new PL-7000 Bundle. This 4-day live instructor-led course combines three official Microsoft Applied Skills courses: PL-7001 (Create and Manage Canvas Apps with Power Apps), PL-7002 (Create and Manage Automated Processes using Power Automate), and PL-7003 (Create and Manage Model-driven Apps with Power Apps and Dataverse).

PL-7001: 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.

PL-7002: Get started with Power Automate by creating and managing automated processes including creating triggers for cloud flows, configuring actions, implementing conditional logic for a cloud flow, testing a cloud flow, creating and configuring approvals, and sharing cloud flows.

PL-7003: Build model-driven apps by using Microsoft Power Apps. The skills validated include creating Dataverse tables, modifying forms and views, and configuring a model-driven app. The scenario in this experience represents real-world challenges faced by individuals with business-specific expertise who build model-driven apps.

Review this course online at https://www.alta3.com/courses/PL-7000 Bundle

Objectives

- Design and create canvas apps and automated workflows with Power Automate.
- Implement data visualization and analysis within apps.
- Build and customize model-driven apps using Power Apps and Dataverse.
- Integrate and manage data sources to enhance app functionality.

Who Should Attend

- Business Analysts
- Application Developers
- IT Professionals
- Solution Architects

Prerequisites

Basic understanding of data modeling, user experience design, requirements analysis, and process analysis. Comfortable using technology to solve business problems.

Course Outline

Get started with Power Apps canvas apps

1. Start Power Apps
2. Power Apps data sources

3. Use Power Apps with Power Automate and Power BI
4. Designing a Power Apps app
5. Create your first app in Power Apps
6. Create an app from Excel using Copilot

Customize a canvas app in Power Apps

7. Improve your app by making basic customizations
8. Explore controls and screens in canvas apps
9. Introduction to formulas in canvas apps
10. Create basic screen navigation for a canvas app

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

11. Use themes to quickly change the appearance of your app
12. Brand a control
13. Icons
14. Images
15. Personalization
16. Build for phones or tablets
17. Create and adjust UI for a new canvas app

Work with external data in a Power Apps canvas app

18. Data-source overview
19. Add a data source
20. Add Office 365 users to your application
21. Display and interact with your data in a gallery
22. Move data between collections and data sources by using Collect
23. Work with external data in a canvas app

Write data in a Power Apps canvas app

24. Introduction to forms
25. Form modes
26. Adding and customizing an Edit form
27. Submit your form
28. Special properties
29. Working with forms

Publish, share, and maintain a canvas app

30. Introduction
31. Application lifecycle management
32. Publish your app

33. Share your app

Guided Project - Create and manage canvas apps with Power Apps

34. Prepare
35. Create a canvas app that connects to a data source

Get started with Power Automate

36. Create your first flow
37. Troubleshoot flows
38. Create recurring flows
39. Monitor incoming emails
40. Share flows

Build approval flows with Power Automate

41. Provide solutions to real-world scenarios
42. Build an approval request
43. Create a business process flow
44. Create a business process flow that has conditions

Build flows to manage user information

45. Introduction
46. Build a flow that uses information like locations or date
47. Build a flow accepts user input when run
48. Create a flow that blocks time on your calendar

Power Automate's deep integration across multiple data sources

49. Build a flow that runs when an event in Dynamics 365 occurs
50. Build a flow that uses SQL
51. Integrate Power Apps, Power Automate, and SharePoint
52. Monitor flows

Guided Project - Create and manage automated processes with Power Automate

53. Prepare
54. Build a Power Automate flow to send automated emails

Create tables in Dataverse

55. Table characteristics
56. Table relationships

57. Dataverse logic and security
58. Dataverse auditing
59. Dual-write vs. virtual tables
60. Create a Microsoft Dataverse table
61. Import data into your Microsoft Dataverse database
62. Create table relationships
63. Create a custom table and import data

Get started with model-driven apps in Power Apps

64. Introducing model-driven apps
65. Components of model-driven apps
66. Design model-driven apps
67. Incorporate business process flows
68. Create a Solution and add an existing data table
69. Control security when sharing model-driven apps
70. Create a model-driven app

Configure forms, charts, and dashboards in model-driven apps

71. Forms overview
72. Form elements
73. Configure multiple forms
74. Use specialized form components
75. Configure views overview
76. Configure grids
77. Create and edit views
78. Configure charts overview
79. Dashboards overview
80. Use interactive streams and tiles

Manage solutions in Power Apps and Power Automate

81. Introduction
82. Add and remove apps, flows, and entities in a solution
83. Edit a solution-aware app, flow, and table
84. Build and deploy a complex solution with flows, apps, and entities
85. Automate solution management
86. Import and export solutions

Guided Project - Create and manage model-driven apps with Power Apps and Dataverse

87. Prepare
88. Create custom tables

89. Modify forms and views
90. Build a model-driven app