APPLIED SKILLS

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

Days	SKILL LEVEL	DELIVERY METHOD	Role	TECHNOLOGY
1	Intermediate	VILT/ILT	App Maker	Business Applications

Course Overview

In this learning path, you practice building 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.

Prerequisites

Candidates for this credential should be familiar with data modeling concepts in Microsoft Dataverse and with the Power Apps maker portal.

Prepare for the assessment.

Module 1: Create tables in Dataverse

Dataverse lets you securely store and manage data that's used by business applications. Standard and custom tables within Dataverse provide a secure and cloud-based storage option for your data.

Lessons

- 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.

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

- Create tables with Dataverse.
- Import data into a Dataverse database.

Module 2: Get started with model-driven apps in Power Apps

Model-driven app design is an approach that focuses on quickly adding components to your apps. These components include dashboards, forms, views, and charts. With little or no code, you can make apps that are simple or complex.

Lessons

- 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.

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

- Model-driven app design.
- Creating a model-driven app.

Module 3: Configure forms, charts, and dashboards in model-driven apps

In this module, you'll learn about forms, grids, views, charts, and dashboards that can be used in model-driven apps.

Lessons

- Forms overview.
- Form elements.
- Configure multiple forms.
- Use specialized form components.
- Configure views overview.
- Configure grids.
- Create and edit views.
- Configure charts overview.
- Dashboards overview.
- Use interactive streams and tiles.
- Check your knowledge.

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

- Use form elements and controls.
- Configure forms.
- Use specialized form components.
- Use editable grids.
- Identify views and use public views.
- Learn how to configure charts.
- Learn how to configure dashboards.

Module 4 Manage solutions in Power Apps and Power Automate

Microsoft Power Apps and Power Automate include such package features as apps from Microsoft Power Apps, site maps, flows, entities, customer connectors, and more. In this module, you'll learn how to manage solutions with Power Automate.

Lessons

- Introduction.
- Add and remove apps, flows, and entities in a solution.
- Edit a solution-aware app, flow, and table.
- Exercise - Import and export solutions.
- Build and deploy a complex solution with flows, apps, and entities.
- Automate solution management.

- Check your knowledge.

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

- Package existing items into a solution.
- Create solutions.
- Edit existing solution-aware apps, flows in a solution.
- Import and export solutions.
- Deploy complex solutions with many components.
- Learn about component dependency on other components.

Module 5: Guided Project - Create and manage model-driven apps with Power Apps and Dataverse

In this module, practice building model-driven apps with Microsoft Power Apps, including creating Dataverse tables, modifying forms and views, and configuring apps. The lab offers interactive practice with real-world scenarios for business-specific challenges.

Lessons

- Introduction.
- Prepare.
- Exercise - Create custom tables.
- Exercise - Modify forms and views.
- Exercise - Build a model-driven app.
- Knowledge check

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

- Create Dataverse tables and columns.
- Work with solutions.
- Modify Dataverse forms.
- Modify Dataverse views.
- Configure model-driven apps.

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