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Microsoft Power Apps Fundamentals

Low-code applications, data and introductory automation

FA-0646

Automation, RPA & Power Platform

Explore Power Apps and build a small guided application using sample data, forms, basic logic and a selected automation.

Introduction

This foundational course introduces Power Apps as a low-code application platform. Learners compare canvas and model-driven applications, explore data sources and connectors and build one small guided business-app prototype using fictional data.

The course distinguishes cloud app services from access to on-premises data and introduces Power Pages as the related external-website product. Low-code tools still require logic, validation, permissions and testing; the course does not promise code-free capability for every requirement or improved business performance. Duration is not specified in the source.

Learning outcomes

The course teaches participants to:

- Explain Power Apps terminology and the roles of canvas and model-driven apps.
- Select a suitable app approach for a simple requirement.
- Define a small data structure and create forms/screens.
- Use basic logic and a prepared connector or sample data source.
- Create or inspect a selected introductory workflow with Power Automate.
- Test and share the training application with appropriate app/data permissions.
- Recognise licensing, governance, integration and maintenance constraints.

Prerequisites

- Basic understanding of business processes and technology concepts
- Familiarity with Microsoft Office applications such as Excel and SharePoint
- Data modelling and table relationships are helpful but not required.
- Some understanding of programming concepts such as logic and expressions may be helpful but is not required

An authorised training environment with appropriate maker permissions, selected connectors and any necessary licences. Prepared non-confidential sample data is used.

Training outline

1. Introduction to Power Apps

- Power Apps overview
- Core concepts and terminology
- Licensing and pricing models vary by app, connector and user requirements; review current terms without fixed-price claims.

2. Components and App Types

- Power Apps design tools
- Compare canvas and model-driven apps; use one approach for the guided build and a demonstration for the other.
- Dataverse and supported data sources/connectors; availability depends on permissions, policy and licensing.
- Power Apps templates and samples

3. Cloud Services, Data Access and Governance

- Power Apps cloud services and connection to supported on-premises data through an appropriate gateway; this is not a self-hosted Power Apps deployment option.
- Power Pages overview for external-facing websites, formerly associated with Power Apps portals; no full website build is added to this foundations course.
- App/data access, environment policies and applicable governance requirements; features do not automatically establish compliance.

4. Guided Business-App Prototype

- Data modelling and table creation in the prepared scenario; recognise older entity terminology.
- Building forms and screens
- Use Power Automate for a selected simple workflow; distinguish app logic from background flow execution.
- Save, test, publish/share the training app with suitable data permissions; not an independent production rollout.

5. Integration and Extension Overview

- Integration with other Microsoft applications
- Supported third-party connectors and authentication requirements, not universal integration.
- Configuration and extension options at awareness level; some requirements need developer support.

6. Implementation and Maintenance

- Implementation planning and execution
- System customization and configuration
- Maintenance and support

Assessment

Quizzes and short assignments check the core concepts. The final project develops and tests one bounded prototype from a prepared scenario, with a review of app/data permissions, formula behaviour and remaining limitations.

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