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Power Apps

2-day course outline

FA-0356 · 2-day

Data & Analytics · Automation, RPA & Power Platform

Introduction

This course starts with foundational knowledge and progresses to more advanced topics. The course includes practical projects and covers topics such as Power Apps dashboard, controls, forms, data sources, and connectors. It is designed for a range of learners, from IT professionals to non-technical professionals, and requires no prior coding experience.

Learning outcomes

- Develop custom apps without extensive coding
- Integrate Power Apps with other Microsoft services
- Implement responsive designs and accessibility features
- Use advanced features like AI and connectors

Prerequisites

- Basic knowledge of the Microsoft Office Suite, particularly familiarity with using applications like Excel.
- No prior experience with coding or app development is required, making the course suitable for beginners.
- A general understanding of business processes and workflows can be beneficial, although not mandatory.

Training outline

1. Getting Started with Power Apps

1. Introduction to Power Apps: Key features and capabilities.
2. Setting up the Power Apps environment
3. Setting up and navigating Power Apps.
4. Building a basic app: Design, data integration, and functionality.
5. Understanding data sources and connections.
6. Introduction to formulas and logic in Power Apps.
7. Understanding the Power Apps interface and components
8. Building your first app: a step-by-step guide

2. Core Concepts and Data Management

1. Deep dive into Power Apps controls, screens, and navigation
2. Managing and manipulating data: Collections, Entities, and Data Sources
3. Integrating Common Data Service and understanding data policies

3. Advanced App Building

1. Design principles for user-friendly apps
2. Implementing complex business logic using formulas
3. Utilizing custom connectors and external data sources
4. Building responsive layouts for various devices

4. Integration and Automation

1. Integrating Power Apps with other Microsoft services (Power Automate, SharePoint, etc.)
2. Advanced app design: Customization and responsive design techniques.
3. Exploring complex functionalities: AI, custom connectors, and data manipulation.
4. Best practices for app development and maintenance.
5. Capstone project: Applying learned skills to a real-world scenario.
6. Automating processes and workflows in Power Apps
7. Exploring AI Builder and its applications in Power Apps

5. Real-World Applications and Case Studies

1. Developing advanced business applications: case studies and examples
2. Best practices for managing and maintaining Power Apps
3. Common pitfalls and troubleshooting techniques

6. Conclusions and Sealing the course

1. Applying learned skills in a capstone project
2. Discussion on real-world application and career paths
3. Resources for further learning and community engagement

This outline ensures a comprehensive understanding of Microsoft Power Apps, from the basics to more advanced applications, suitable for a two-day course.

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