BLACKBIRD FOR TRAINING

Microsoft Power Platform Developer (PL-400)

14 – 18 November 2027
Cairo (Egypt)



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Introduction

Organizations increasingly rely on digital solutions to streamline operations, automate processes, and respond quickly to changing business requirements. As the demand for custom business applications grows, development platforms that reduce complexity while maintaining flexibility have become essential. The Microsoft Power Platform provides a unified environment that enables organizations to build scalable applications and automated workflows without relying solely on traditional development models.

The Microsoft Power Platform Developer PL-400 course is designed to equip professionals with the practical knowledge required to design, develop, and extend solutions using the Power Platform. The course targets executives seeking strategic visibility, team leaders overseeing digital initiatives, and technical professionals with intermediate experience who want to deliver robust business applications. It bridges the gap between business needs and technical implementation through structured development practices.

The practical value of this course lies in its focus on real-world application development. Participants learn how to create custom solutions, automate business processes, integrate data sources, and extend platform capabilities. These skills support organizational productivity, reduce manual effort, and enable sustainable digital transformation.

Course Objectives

The Microsoft Power Platform Developer PL-400 course focuses on building applied development skills that support enterprise application delivery and automation initiatives.

- Understand the core components of the Power Platform.
- Design business applications that align with organizational requirements.
- Develop custom logic to support business processes.
- Integrate applications with multiple data sources.
- Automate workflows to improve operational efficiency.
- Customize user interfaces and enhance usability.
- Test and validate solutions before deployment.
- Prepare for professional certification pathways related to Power Platform development.



Course Outlines

Day One: Power Platform Fundamentals and Development Concepts

- Overview of the Power Platform ecosystem and its role in organizations.
- Understanding low-code development principles.
- Identifying business requirements and translating them into solutions.
- Exploring core services and platform components.
- Reviewing common enterprise application scenarios.
- Discussion of practical development use cases.

Day Two: Application Design and User Interface Development

- Planning the structure of business applications.
- Designing intuitive and consistent user interfaces.
- Using forms, controls, and visual components effectively.
- Customizing application layouts to meet business needs.
- Enhancing user experience and accessibility.
- Practical exercises focused on application design.

Day Three: Business Logic and Data Integration

- Understanding business logic within platform-based applications.
- Creating rules and expressions to control application behavior.
- Connecting applications to various data sources.
- Managing data validation and consistency.
- Handling complex data scenarios.
- Practical exercises focused on data integration and logic development.

Day Four: Process Automation and System Integration

- Understanding workflow automation concepts.
- Designing automated processes to streamline operations.
- Integrating applications with other enterprise systems.
- Reducing manual intervention through automation.
- Monitoring and optimizing automated processes.
- Reviewing real-world automation scenarios.



Day Five: Testing, Deployment, and Final Evaluation

- Testing applications to ensure quality and reliability.
- Identifying and resolving functional issues.
- Preparing solutions for deployment within the organization.
- Managing security, access control, and permissions.
- Evaluating participant understanding through applied activities.
- Summarizing key concepts and identifying next development steps.

Why Attend This Course: Wins & Losses!

- Designed for professionals with intermediate experience.
- Enables rapid development of business applications.
- Supports automation of repetitive processes.
- Enhances integration between systems and data sources.
- Focuses on practical, real-world scenarios.
- Applicable across diverse organizational environments.
- Strengthens digital transformation initiatives.
- Supports professional growth in application development roles.

Conclusion

The Microsoft Power Platform Developer PL-400 course provides a structured and practical approach to building modern business applications and automated workflows. It is designed for professionals with intermediate experience who want to strengthen their ability to deliver scalable and efficient digital solutions.

By combining application design, business logic development, data integration, and process automation, the course equips participants with skills that can be applied directly within organizational environments. This approach supports improved productivity, reduced operational complexity, and sustainable digital growth.

Overall, this course represents a valuable step for individuals and organizations seeking to enhance application development capabilities and maximize the value of platform-based digital solutions.

