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Microsoft
Solutions Partner

Microsoft Cloud
Training Services

Microsoft Power Apps

Duration: 16 Hours (2 Days)

Overview

The Microsoft Power Apps course is designed to educate learners on building custom applications without the need for extensive coding knowledge. This comprehensive course guides participants through the process of creating, sharing, and administering apps using Microsoft Power Apps, a Low-code platform.Module 1: An Introduction to PowerApps sets the foundation by explaining what PowerApps is, the benefits of using apps, and differentiating between Canvas Apps and Model-Driven Apps. It also provides information on licensing options and costs and introduces learners to PowerApps through templates and hands-on labs.As learners progress through the modules, they will gain practical experience in building apps from data sources, branding, utilizing various controls, Connecting to data sources, and Implementing business logic. The course also covers the integration of PowerApps with other Microsoft services like Teams and SharePoint Online, and delves into model-driven app creation, which focuses on using data models to generate apps.Towards the end, the course covers administration and maintenance, teaching how to manage PowerApps environments, monitor app usage, and ensure that apps are efficiently deployed across organizations.By the end of the course, participants will have the skills to create tailored apps that can transform business processes, increase productivity, and leverage the full potential of the Microsoft Power Platform.

Audience Profile

The Microsoft Power Apps course by Koenig Solutions equips participants with skills to build custom apps with no coding required.

- Business Analysts
- App Developers
- IT Professionals
- Project Managers
- System Administrators
- Data Analysts
- Solution Architects
- Power Users
- Technical Consultants
- Process Owners
- Department Heads looking to streamline operations

Course Syllabus

Module 1: An Introduction to PowerApps

- What is PowerApps?
- The benefits of apps
- How to get PowerApps
- Canvas Apps and Model-Driven Apps
- License Options and Costs
- Discover PowerApps with Templates
- Lab 1: Introduction to PowerApps

- Try the Cost Estimator App
- Download and Review App Design
- Sample App of your choice

Module 2: Getting Started with PowerApps

- Building a new app from a data source
- Add, edit and remove controls
- Intro to Formulas
- Testing an app
- App Settings
- Publish and Share Apps
- Version History and Restore
- PowerApps Mobile App
- Lab 1: Getting Started
- Create App from an existing Data Source
- Publish and Share
- View an app on your mobile device

Module 3: Branding and Media

- Less is more
- Duplicate Screens
- Fonts
- Screen Colours and Matching Colours
- Screen Backgrounds
- Buttons and Icons
- Hide on Timer
- Size and Alignment by reference
- Show and Hide on Timer
- Lab 1: Branding and Media
- Backgrounds and icons
- Import Class Data from Excel
- Duplicate Screen

Module 4: PowerApps Controls

- Text Controls for Data Entry and Display
- Controls – Drop downs, combo box, date picker, radio button and more
- Forms – Add and edit data in underlying data sources quickly
- Charts – present information in pie, line and bar charts
- Lab 1: Build Apps from Blank
- Create an App from the blank template
- Add Controls to collect and display data
- Add Formulas to allow the controls to interact

Module 5: Data Sources and Logic

- Data Storage and Services
- How do I decide which database to use?
- Connect to on-premises data - Gateway
- What is Delegation?

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- Specific Data Examples
- Displaying Data
- Lab 1: Data Source and Logic
- SharePoint List connect to App
- Flow to collect tweets to SharePoint
- Display Tweets in PowerApps using the Twitter service
- Create a reply screen in PowerApps

Module 6: Model-Driven Apps

- What is a model-driven app?
- Where will my data be stored?
- How do create a model-driven app
- Canvas vs model-driven summary
- Lab 1: Model-Driven App
- Switch to Model-Driven mode in PowerApps
- Navigate the Model-Drive app interface
- Test a Sample App
- Edit the Sample App

Module 7: PowerApps Integration

- Embed PowerApps in Teams
- Embed PowerApps in SharePoint Online
- Start a Flow from a PowerApps
- Lab 1: PowerApps Integration
- Embed your app in Microsoft Teams
- Embed your app in SharePoint Online

Module 8: Administration and Maintenance of PowerApps

- Identify which users have been using PowerApps
- Reuse an app in another location (move from testing or development to
- production)
- Review app usage
- Prevent a user from using PowerApps
- Manage environments
- Lab 1: Administration and Maintenance
- Export an app for use in another location
- Review current PowerApps users in your test environment