KOENIG
step forward

Microsoft
Solutions Partner

Microsoft Cloud
Training Services

PL-200: Microsoft Power Platform Functional Consultant

Course Duration: 40 Hours (5 Days)

Overview

This course will teach students to use Microsoft Power Platform solutions to simplify, automate, and empower business processes for organizations in the role of a Functional Consultant. A Microsoft Power Platform Functional Consultant is responsible for creating and configuring apps, automations, and solutions. They act as the liaison between users and the implementation team. The functional consultant promotes utilization of solutions within an organization. The functional consultant may perform discovery, engage subject matter experts and stakeholders, capture requirements, and map requirements to features. They implement components of a solution including application enhancements, custom user experiences, system integrations, data conversions, custom process automation, and simple visualizations.

This course may contain a 1-day Applied Workshop. This workshop will allow you to practice your Functional Consultant skills by creating an end-to-end solution to solve a problem for a fictitious company. The solution will include a Microsoft Dataverse database, Power Apps canvas app, and Power Automate flows

Audience Profile

A Microsoft Power Platform Functional Consultant is responsible for creating and configuring apps, automations, and solutions. They act as the liaison between users and the implementation team. The functional consultant promotes utilization of solutions within an organization. The functional consultant may perform discovery, engage subject matter experts and stakeholders, capture requirements, and map requirements to features. They implement components of a solution including application enhancements, custom user experiences, system integrations, data conversions, custom process automation, and simple visualizations.

Course Syllabus

Learning Path 1: Work with Microsoft Dataverse

This learning path covers the capabilities of Microsoft Dataverse as the foundation for the rest of the course. This learning path also covers creating a data model using Dataverse's capabilities as the basis for building apps and flows.

Modules:

- What is a relational database?
- Introduction to Microsoft Dataverse
- Manage environments
- Manage customizations with solutions

- Create and manage tables in Microsoft Dataverse
- Create and manage columns in Microsoft Dataverse
- Create relationships between tables in Dataverse
- Create and define calculated and rollup columns in Dataverse

Labs

- Validate lab environment
- Environments
- Publisher and Solution
- Import solution
- Tables
- Columns
- Relationships

Learning Path 2: Manage Microsoft Dataverse

Modules:

- Define and create business rules in Dataverse
- Load/export data in Microsoft Dataverse
- Manage security in Microsoft Dataverse
- Administration options in Microsoft Dataverse

Labs

- Business rules
- Import data
- Export data
- Security roles
- Users and Teams
- Bulk delete data
- Duplicate detection
- Audit

Learning Path 3: Create model-driven apps in Power Apps

Modules:

- Introduction to model-driven apps
- Design and create model-driven apps
- Configure forms

- Configure views
- Configure charts
- Configure dashboards

Labs

- Forms
- Views
- Dashboards

Learning Path 4: Create canvas apps in Power Apps

Modules:

- Introduction to canvas apps
- Customize a canvas app
- Build the UI in a canvas app
- Navigation in a canvas app
- Manage apps
- Build a mobile-optimized app
- Connect to other data in canvas apps

Labs

- Build a canvas app

Learning Path 5: Make portals in Power Pages

Modules:

- Introduction to Power Pages
- Core components and features
- Portals architecture
- Explore design studio

Labs

- Build a Power Pages portal

Learning Path 6: Build automation with Power Automate

Modules:

- Introduction to automation in Dataverse

- Introduction to Power Automate
- Create Power Automate cloud flows
- Use Dataverse triggers and actions in Power Automate cloud flows
- Introduction to expressions in Power Automate
- Test and troubleshoot Power Automate cloud flows
- Administer Power Automate cloud flows
- Create business process flows

Labs

- Cloud flows
- Business process flows

Learning Path 7: Build chatbots with Power Virtual Agents

Modules:

- Identify use cases for Power Virtual Agents
- Identify components of Power Virtual Agents

Labs

- Power Virtual Agents

Learning Path 8: Visualize data with Power BI

Modules:

- Introduction to analyzing data with Power BI
- Consume Power BI in Power Platform

Learning Path 9: Solutions and Integrations

Modules:

- Application Lifecycle Management
- Interoperability with other services

Day 5 Applied Workshop

In this workshop, each student will evaluate the scenarios and choose one. Each scenario has similar technical requirements. The scenarios just offer a way for students to engage with the exercise and a topic they are interested in. This workshop should be open-ended and there is no single right solution. This is a chance for the learners to practice their skills with your support. Students are expected to spend a working day on this project.