PL-200: Microsoft Power Platform Functional Consultant

Duration 5 Days

Course description

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

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.

Learning objectives

After completing this course, students will be able to:

- Configure Microsoft Dataverse

- Create apps by using Microsoft Power Apps
- Create and manage process automation
- Describe Microsoft Power Virtual Agents
- Import and visualize data by using dataflows and Power BI
- Define an environment strategy

Prerequisites

- Experience as an IT professional or student
- Working knowledge of Microsoft Power Platform and its key components
- Knowledge of Microsoft Dataverse (or general data modeling) and security concepts

Learning path and description	Module	Labs
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.	**Module 1:** What is a relational database? **Module 2:** Introduction to Microsoft Dataverse **Module 3:** Manage environments **Module 4:** Manage customizations with solutions **Module 5:** Create and manage tables in Microsoft Dataverse **Module 6:** Create and manage columns in Microsoft Dataverse **Module 7:** Create relationships between tables in Dataverse **Module 8:** Create and define calculated and rollup columns in Dataverse	Lab 0: Validate lab environment Lab 1.1: Environments Lab 1.2: Publisher and Solution Lab 1.3: Import solution Lab 1.4: Tables Lab 1.5: Columns Lab 1.6: Relationships
Learning Path 2:	**Module 1:** Define and create business rules in Dataverse	Lab 2.1 Business rules

Manage Microsoft Dataverse	**Module 2:** Load/export data in Microsoft Dataverse **Module 3**: Manage security in Microsoft Dataverse **Module 4**: Administration options in Microsoft Dataverse	Lab 2.2 Import data Lab 2.3 Export data Lab 2.4 Security roles Lab 2.5 Users and Teams Lab 2.6 Bulk delete data Lab 2.7 Duplicate detection Lab 2.8 Audit
Learning Path 3: **Create model-driven apps in** **Power Apps**	**Module 1:** Introduction to model-driven apps **Module 2:** Design and create model-driven apps **Module 3**: Configure forms **Module 4**: Configure views **Module 5:** Configure charts **Module 6:** Configure dashboards	Lab 3.1 Forms Lab 3.2 Views Lab 3.3 Dashboards
Learning Path 4: **Create canvas apps in Power Apps**	**Module 1:** Introduction to canvas apps **Module 2:** Customize a canvas app **Module 3**: Build the UI in a canvas app **Module 4**: Navigation in a canvas app **Module 5:** Manage apps **Module 6:** Build a mobile-optimized app **Module 7**: Connect to other data in canvas apps	Lab 4.1 Build a canvas app
Learning Path 5: **Make portals in Power Pages**	**Module 1:** Introduction to Power Pages **Module 2:** Core components and features **Module 3**: Portals architecture **Module 4**: Explore design studio	Lab 5.1 Build a Power Pages portal
Learning Path 6: **Build automation with Power Automate**	**Module 1:** Introduction to automation in Dataverse **Module 2:** Introduction to Power Automate **Module 3**: Create Power Automate cloud flows **Module 4**: Use Dataverse triggers and actions in Power Automate cloud flows	Lab 6.1 Cloud flows Lab 6.2 Business process flows

	Module 5: Introduction to expressions in Power Automate	
	Module 6: Test and troubleshoot Power Automate cloud flows	
	Module 7: Administer Power Automate cloud flows	
	Module 8: Create business process flows	
Learning Path 7: **Build chatbots with Power** **Virtual Agents**	**Module 1:** Identify use cases for Power Virtual Agents **Module 2:** Identify components of Power Virtual Agents	Lab 7.1 Power Virtual Agents
Learning Path 8: **Visualize data with Power BI**	**Module 1:** Introduction to analysing data with Power BI **Module 2:** Consume Power BI in Power Platform	
Learning Path 9: **Solutions and integrations**	**Module 1:** Application Lifecycle Management **Module 2:** 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.		