PL-400 Microsoft Power Platform Solution Developer

Course Overview:

The Microsoft Power Platform helps organizations optimize their operations by simplifying, automating, and transforming business tasks and processes. In this course, students will learn how to build Power Apps, Power Automate flows and extend the platform to complete business requirements and solve complex business problems.

Audience prerequisites:

Candidates should have development experience that includes Microsoft Power Platform services, JavaScript, JSON, TypeScript, C#, HTML, .NET, RESTful Web APIs, and Microsoft Azure.

Course timing:

This course is expected to take 5 full (8 hour) days, including labs (with breaks taken into consideration).

Daily Agenda

Day	Learning Path	Module	Lab
Day 1	Work with Microsoft Dataverse	Introduction to Microsoft Dataverse	Lab 0: Validate lab environment
		Manage environments	Lab 1: Data modelling
		 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 	
		 Define and create business rules in Microsoft Dataverse 	
		 Manage security in Microsoft Dataverse 	
Day 1	Create model driven apps	Get started with model-driven apps	Lab 2: Model-driven apps
		Configure forms	
		Configure views	

		Command bar	
Day 2	Create canvas apps	Get started with Power Apps	Lab 3: Canvas app
		 Understanding Low Code as a Traditional Developer 	
		Customize a canvas app in Power Apps	
		 Navigation in a canvas app in Power Apps Power Fx formulas 	
		Canvas components	
		 Document and test your Power Apps application 	
Day 2	Advanced techniques in canvas	Use imperative development techniques for canvas apps Perform	Lab 4: Advanced canvas app
	apps	custom updates in a canvas app	techniques
		 Use Dataverse choice columns with formulas 	
		 Work with relational data in a canvas app 	
		 Work with data source limits (delegation limits) in a canvas app 	
		Performance in canvas apps	
Day 2	Automate a business process	Get started with Power	Lab 5: Power Automate
	using Power Automate	Automate	
		 Introduction to expressions in 	
		Power Automate	
		 Use Dataverse triggers and actions in Power Automate Advanced 	
		features of cloud flows	
Day 3	Introduction to developing with	 Introduction to Microsoft Power 	Lab 6: Power Platform tools
	Power Platform	Platform developer resources	Lab 7: Power Platform APIs
		 Use developer tools to extend 	
		Microsoft Power Platform	
		Introduction to extending	
		Microsoft Power Platform Work with Dataverse APIs	
Day 3	Extending the model-driven	 Performing common actions with client script 	Lab 8: Client scripting
	apps user experience	Best practices with client script	
Day 4	Create code components with	 Get started with Power Apps component framework 	Lab 9: Power Apps Component
	the Power Apps Component		Framework
	Framework		
Day 4	Extending Microsoft Dataverse	 Introduction to Dataverse for developers 	Lab 10: Dataverse Plug-ins
		Create plug-ins	

Day 5	Integrate with Dataverse and	Integrate with Azure	Lab 11: Azure Functions
	Azure	 Integrate with Dataverse 	Lab 12: Publishing events
			externally
Day 5	Custom Connectors	Custom Connectors	Lab 13: Custom connector
Day 5	Application lifecycle	Solutions and Application Lifecycle Management	N/A
	management		