PowerApps - Beginner

Course Overview - 1 - Day Course

Become a Citizen Developer

PowerApps is the go-to tool to use when it comes to mobile application development. Described as the "citizen application development platform", it allows anyone and everyone to build their own app without having to be a professional app developer or coder. The point-and-click approach to building makes it foolproof, and anyone can successfully make their own app, from the CEO to the factory floor worker. Users can choose from templates and go on to customise them or build their own apps straight from a blank canvas. Once built, apps can be easily published to the web, iOS, Android and Windows 10.

What do I need to know to attend?

- Intermediate Excel skills is required, knowledge of formulas and functions

Learning Outcomes

- Understand low-code App development
- Create Apps from a data source
- Understand the building blocks of an App
- Create an App from a blank canvas

- Create connections to multiple data sources
- Understand how to set behaviours using formulas

Detailed Content

About PowerApps

What Is PowerApps?
Who Is the Citizen Developer?
PowerApps And Office 365
How Dynamics 365 Relates to PowerApps
Understand Licensing Options
Accessing PowerApps
PowerApps Home Screen

Building A PowerApp

Introduction to PowerApps Environments
Understanding types of apps
Mobile or Tablet apps
What is the Common Data Service (CDS) for Apps
How Dynamics 365 relates to PowerApps

Data Sources and Connections

Introduction to data sources and connections
Available data sources and connections
Connecting to a SharePoint list

The PowerApps Studio

Introduction to the PowerApps Studio
Navigating the PowerApps Studio
Working with the PowerApps Studio

How does An App Work?

Introduction to components of an app
Understanding screens
Understanding controls
Understanding properties
Using Gallery Controls
Using Form Controls
Saving your App

Coding in PowerApps

How Much Code is low code?
Formulas and Functions
Formatting of Formulas and Functions
Referencing Other Controls
Using Variables in PowerApps

Using Data Sources

Data Connections in PowerApps
Accessing Data in Controls
Delegation in PowerApps

PowerApps Settings

Configuring App Settings and Features

Saving and Sharing

Saving Your App
Closing Your App
Versioning Control
Sharing Apps with Others
Viewing Shared Apps
Exporting a PowerApps
Loading a Locally Saved App File

Creating an App from Blank

Introduction of our case study
Planning your app
Exploring your data
Creating a blank app
Creating a SharePoint connection
Connecting to static Excel Spreadsheets
Creating an Office 365 connection

PowerApps - Beginner

Customising your Blank App

Introduction to building and customising your app
Adding Screens
Adding Shape Controls
Adding Images
Adding Text Labels
Uploading Images
Using the OnSelect Property
Adding Navigation
Aligning Objects
Creating Control Groups

Editing and displaying data

Adding Galleries
Customising A Gallery Control
Adding Controls to a Template Cell

Filtering Your Data

Adding Combo Box Controls
Adding Slider Controls
Adding Date Picker Controls
Searching Gallery Items

User Experience

Understanding User Experience
Creating App behaviours to inform users

Using Forms to Display Items

Adding Forms
Using Display Forms

Calculating Values

Using the OnChange Property
Creating Variables
Using Variables in Formulas

Updating Our Data Source

Using the Patch Function
Patching Different Data Types

Sending Emails in PowerApps

Using the Outlook Data Connector
Using the SendEmail function

Using the Mobile App

Downloading the PowerApps App
Accessing your Apps
Viewing list of Apps
Favourite Apps
Pin shortcut to home screen
Windows 10 PowerApps App

PowerApps Functions Covered

- Colours
- Concatenation
- Distinct
- Filter
- First
- If
- Isblank
- Lookup
- Navigate
- Office365 Outlook
- Office365users
- Operators
- Patch
- Set
- Sort
- Startswith
- Sum
- Text
- Thisitem Operator
- User
- Value
- Variables