

Microsoft Power Apps Canvas Development

SharePoint, standard connectors and practical app workflows

FA-0741 · 3 days

Automation, RPA & Power Platform · Software Development

Introduction

Build a practical canvas app using Power Apps Studio, controls and Power Fx formulas. The course focuses on SharePoint and selected standard/non-premium data connections, with introductory Power Automate and email integration.

Develop screens, data operations and a customised SharePoint list form, then review permissions, environments and distribution of the lab app. Native mobile-app wrapping and model-driven development are outside this course.

Learning outcomes

- Explain where canvas apps fit in the Power Platform.
- Create screens, controls, reusable components and dynamic behaviour.
- Use formulas, filters and selected data operations.
- Connect to SharePoint and an appropriate Excel source.
- Integrate selected Power Automate, Forms-response and email workflows.
- Customise and test a SharePoint list form.
- Publish/share a canvas app and distinguish app access from resource permissions.

Prerequisites

- Basic computer, file upload/download and file-system skills.

- Experience using SharePoint.
- An organisational account with suitable Power Apps, SharePoint and Power Automate entitlements and lab permissions.
- Supported browser, reliable internet and the designated environment; suitable email access for the email exercise.

Training outline

1. Day 1 – Canvas Apps and User Interfaces

- Platform exploration, course orientation and environment setup.
- Canvas, screens, controls and dynamic properties.
- Complex controls, actions and functional behaviour.
- Rich text, markup/media support, buttons, icons and clickable elements.
- Reusable UI components and selected visualisations.
- Build a first app interface.

2. Day 2 – Formulas and Data Connections

- Plan app logic; Power Fx operators, formulas, filters and aggregate functions.
- Create, read, update and delete selected lab records.
- Connect to compatible Excel data and SharePoint lists; use lookup relationships.
- Introduce Power Automate flows and supported email integration.
- Handle Microsoft Forms responses through Power Automate, not a direct Power Apps Forms connector.
- Review relevant data-query/delegation limitations and test the sample data.

3. Day 3 – SharePoint Forms, Permissions and Publishing

- Customise a SharePoint list form and add selected functionality.
- Use SharePointIntegration events for new, view, edit, save and cancel behaviour.
- Review app, connection, flow and underlying data permissions.
- Power Platform environments and appropriate packaging/movement options for a standalone app.
- Distinguish standalone app sharing from customised SharePoint forms, whose access follows the list and whose movement has different limitations.
- Save, publish, share and test the completed canvas app with an appropriate lab user.

