

Power Apps Canvas and Mobile App Development

Canvas interfaces, SharePoint integration and mobile wrapping

FA-0742 · 3 days

Automation, RPA & Power Platform · Software Development

Introduction

Build a canvas app for browser and mobile use with Power Apps Studio, controls, Power Fx and selected standard data connections. Practise SharePoint integration and simple automation, then explore custom-branded mobile packaging.

The mobile module introduces the current wrap, signing and distribution process for Android and iOS. A build demonstration depends on a suitably prepared environment; full native-platform development or guaranteed app-store publication is not part of this three-day 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.
- Explain the wrap workflow, platform signing requirements and supported mobile distribution routes.

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.
- For a wrap build demonstration: a prepared solution-enabled environment, appropriate licensing, app-registration/storage permissions, signing assets and suitable test devices; otherwise the build is demonstrated.

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, Mobile Packaging and Publishing

- Customise a SharePoint list form and test SharePointIntegration lifecycle events.

- Review app, data, flow and connection permissions; Power Platform environments and canvas-app packaging.
- Distinguish standalone app sharing from list-inherited access to customised SharePoint forms.
- Mobile overview: canvas apps in the browser/Power Apps mobile client versus a custom-branded wrapped native shell.
- Android and iOS platform requirements, app registration, branding, build output and signing responsibilities.
- Demonstrate the current wrap wizard in a prepared environment, using an appropriate Dataverse or Azure Blob output option.
- Discuss supported store or managed-device distribution routes and test the selected sample; public store release remains subject to platform prerequisites and review.
- Save, publish and share the canvas app; review the completed work.