

App in a Day

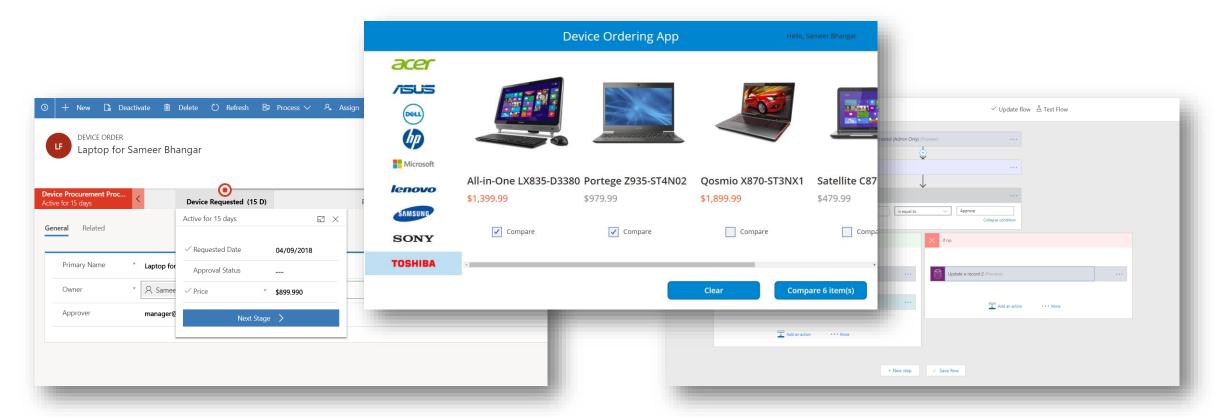
Microsoft Power platform

PowerApps
Microsoft Flow
Power Bl
Common Data Service for Apps



Business scenario

- · Imagine an organization where every three years employees go through a hardware refresh cycle.
- They would like to streamline the device order, procurement and approval process and view aggregate reports
- · The employee facing device ordering app needs to run in a web browser and on mobile devices



Lab objectives

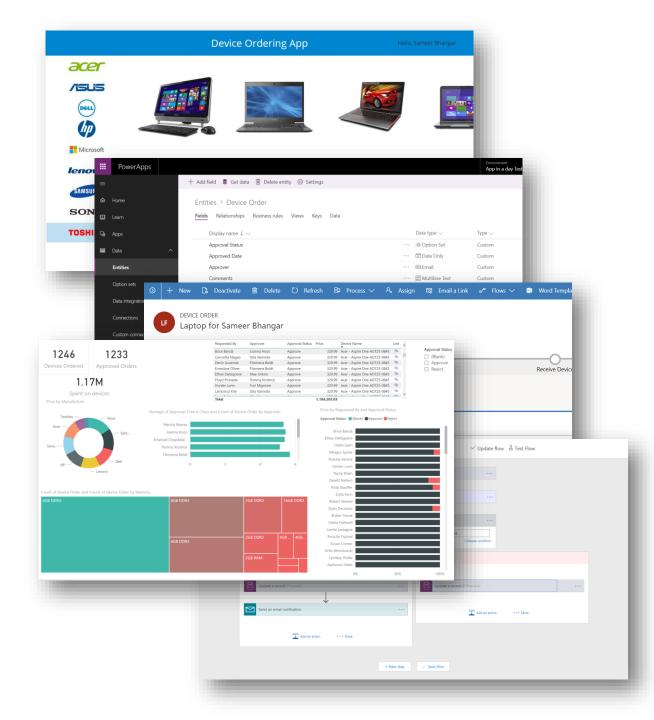
Build a **PowerApps Canvas App** for employee facing device ordering experience

Use the Common Data Service for Apps (CDS for Apps) to store the device orders in the cloud

Build a **PowerApps Model-driven App** to complete the procurement process

Use **Microsoft Flow** to build an approval workflow for device approval

Use **Power BI** to visualize device order data



Lab content

Package: http://aka.ms/appinaday

Unzip the package on your local machine

Follow instructions: "00-AppinaDay Lab Overview.pdf"

Contains 5 modules with a lab doc for each:

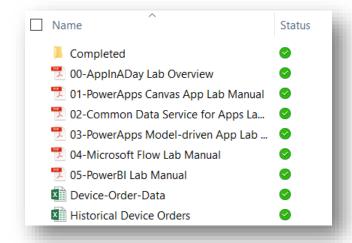
- · 01-PowerApps Canvas App
- · 02-Common Data Service for Apps
- 03-PowerApps Model-driven App
- · 04-Microsoft Flow
- · 05-Power BI

Completed Modules:

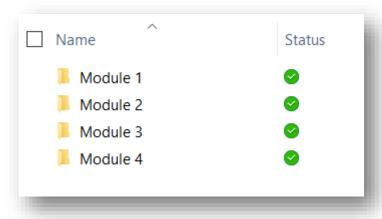
The **\Completed folder** contains solution packages that you can import

e.g. To work on Module 5 without completing previous modules -> see \Completed\Module4

Lab docs:



Completed modules:



Pre-requisites

Valid PowerApps Plan 2 license:

- · Common Data Service usage requires a PowerApps Plan 2 license
- Visit https://powerapps.microsoft.com/pricing/ and click Free Trial
- If you are unable to acquire a trial license:
 - · Ask the instructor for a trial user account that you may use for this session OR
 - · Create your own Office 365 trial tenant http://aka.ms/Office365E5Trial

PowerApps authoring environment:

· Launch https://web.powerapps.com using any modern browser

PowerApps mobile apps (Optional):

- PowerApps iOS: https://aka.ms/PowerAppsiOS
- PowerApps Android : https://aka.ms/PowerAppsAndroid

Free trial Buy now Everything included with PowerApps Plan 1 Model your data using the Common Data Service Create and manage instances of the Common Data Service Enterprise-grade administration of environments and user policies

Provision environment and Common Data Service

This lab requires a PowerApps environment and CDS database that was provisioned after Apr 1, 2018.

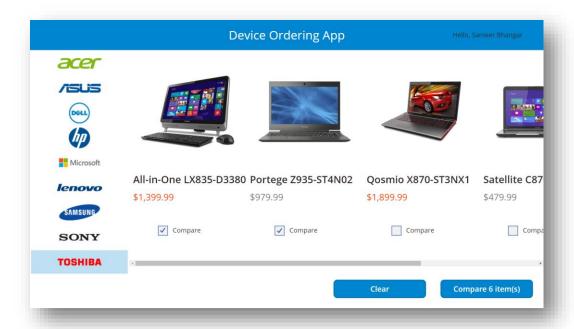
- Go to the PowerApps Admin center http://admin.powerapps.com
- Select +New environment, fill out the form and select Create
- Select the Create database option
- Fill out the form and select Create database
- You will be taken to a screen that shows the newly created environment
- IMPORTANT: The database has not yet been provisioned
- Select the environment you just created
- · Wait for the "Provisioning database..." message to go away
- You may need to refresh the screen every couple of minutes
- · Once the provisioning is complete, then proceed to create apps in the environment

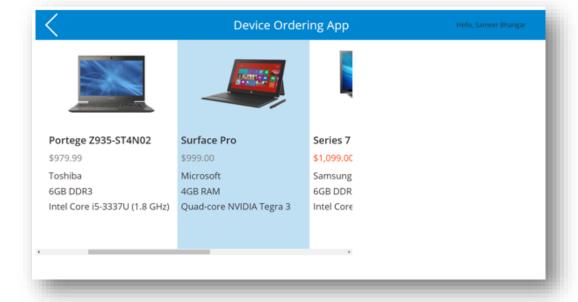


Module 1: PowerApps Canvas App



- Sign-in and create a new Canvas App
- Connect to data sources
- · Filter data
- · Work with multiple screens and navigation
- Customize the user experience galleries and controls



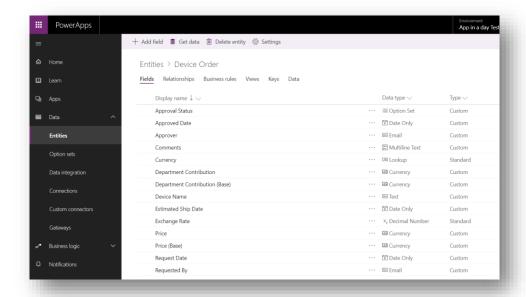


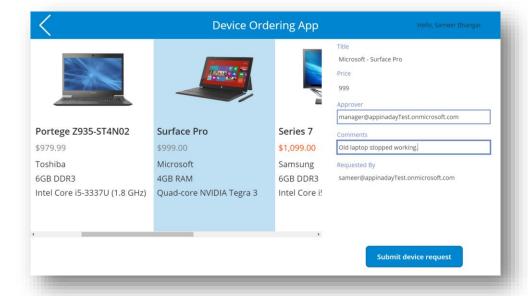


Module 2: Common Data Service for Apps



- Provision a CDS database
- Get familiar with standard entities
- Create a custom entity
- Customize entity fields and option sets
- Create calculated fields
- Use the Canvas app form control to save data to CDS
- Use the Office365 connector to get user's manager info
- Configure Canvas app settings
- Save and share a Canvas app
- Run a Canvas app on a mobile device



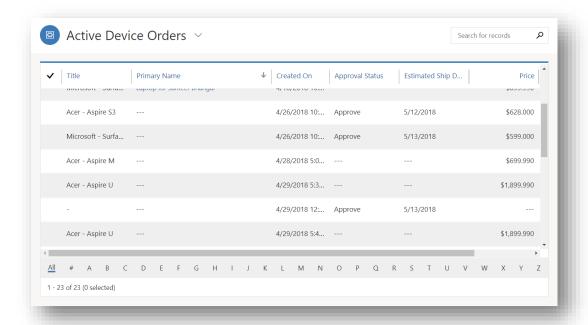


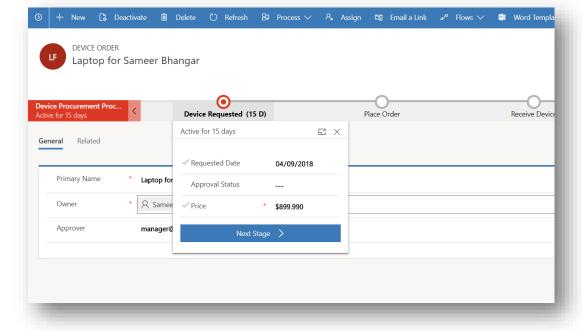


Module 3: PowerApps Model-driven App



- Create a standalone Model-driven app
- · Customize forms for the Model-driven app
- · Create a Business Process Flow



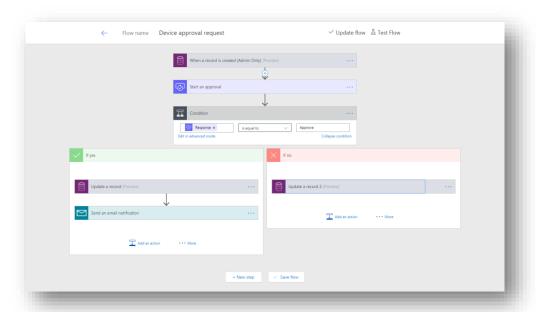


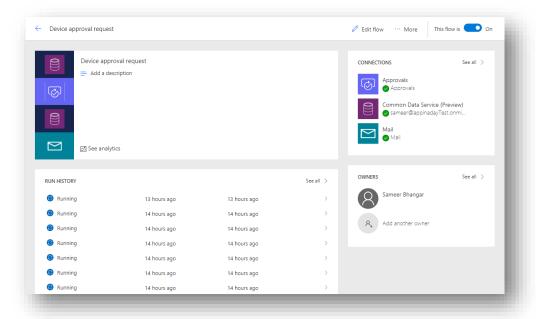


Module 4: Microsoft Flow



- Trigger a Flow when a new record is created in CDS
- Send an approval request
- · Conditional branching based on the approval response
- Send email notifications
- Update the CDS record with the approval status and the approver's comments
- · Use the approval center on web and mobile
- Check the status of Flow runs.



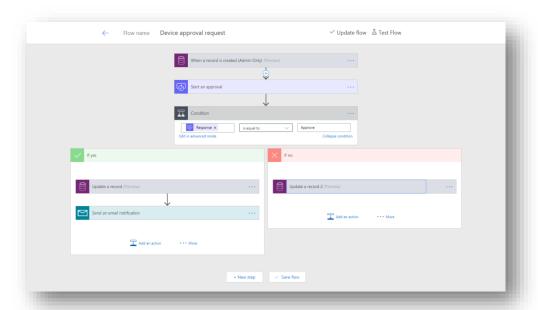


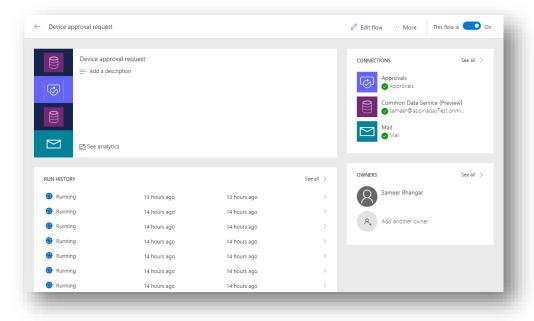


Module 5: Power BI



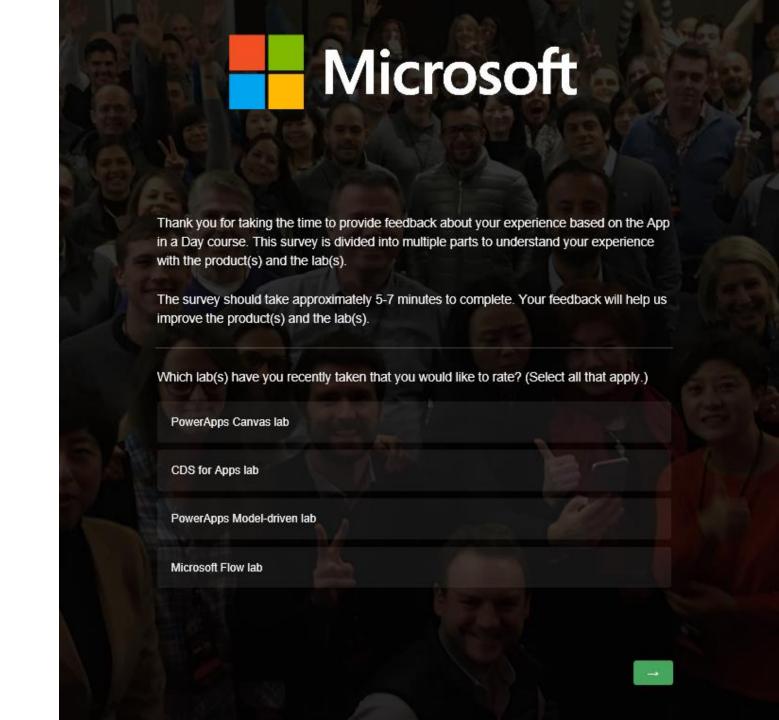
- Connect Power BI to the Common Data Service
- Transform CDS data for use in visualizations
- Create visualizations on the CDS data
- · Combine CDS data with other data sources





Lab survey

http://aka.ms/appinadayLabSurvey



Learning resources

http://aka.ms/powerapps-resources

http://aka.ms/flow-resources

Customer stories

http://aka.ms/PowerAppsStories

http://aka.ms/GJPepsiVideo

http://aka.ms/ArrivaVideo

http://aka.ms/HeathrowVideo

PowerApps Canvas Apps - Learning Resources



Saurabh Pant, Principal Program Manager, Tuesday, January 30, 2018





As members of the PowerApps Customer & Partner Success team, we often get asked for resources to aid our customers on their PowerApps journey. Below is a set of links we've curated to help novice, intermediate and advanced users as they take this journey with us. We hope you find it useful.

Are there any key topics missing? Please leave us comments below.

I am NEW, help me get started

Busi







Standard Bank

LEARN MORE >





American Red Cross

LEARN MORE >





TransAlta

LEARN MORE >







