COMMUNITY SUMMIT 2023

POWER PlatformUG

The Largest Independent Gathering
of the Microsoft User Ecosystem

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Power Apps, AI Builder, & Cats!

Decrease Complexities,
Deliver Results.

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Speakers

Kylie Kiser,
Solution
Architect,
RSM Canada

Mallory
Lawhorne,
Senior
Consultant
Microsoft

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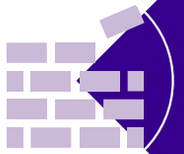
Agenda

Introduction to the tools



Live Build!

How can we improve the app?

Q&A

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Session Objectives

What will you learn today?

1. Try the Object Detection model in AI Builder
2. See how easy it is to build Canvas Power Apps
3. Have fun talking about cats and the Power Platform

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Introductions

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Microsoft Power Platform

The low-code platform that spans Office 365, Azure, Dynamics 365, and standalone applications

Innovation anywhere. Unlocks value everywhere.

Power BI
Business analytics

Power Apps
Application development

- Canvas Apps
- Model-driven Apps

Power Pages
Secure business websites

Power Automate
Process automation

- Cloud Flows & Teams Flows
- Business Process Flows
- Desktop Flows

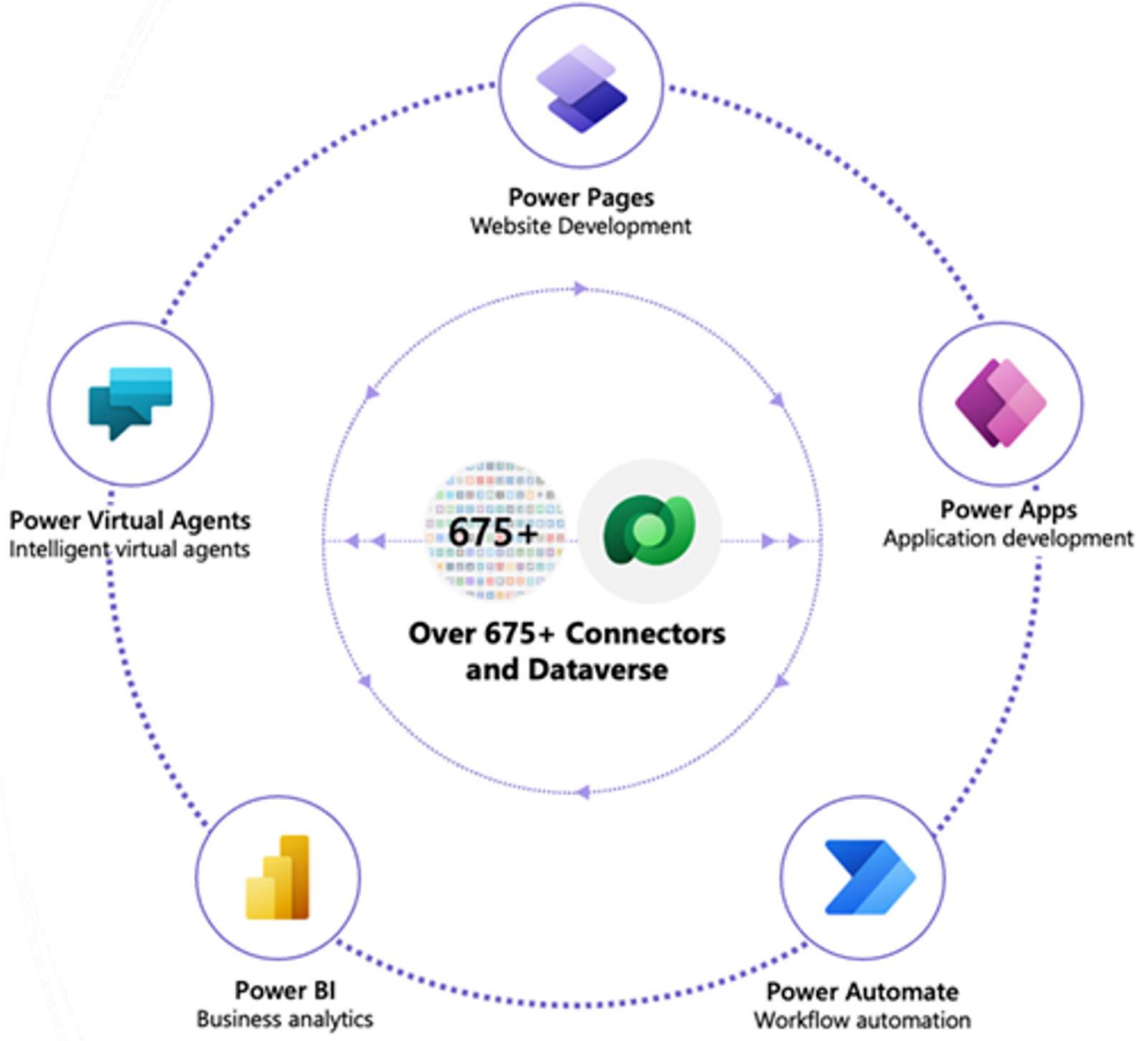
Power Virtual Agents
Intelligent virtual agents

Data connectors

AI Builder

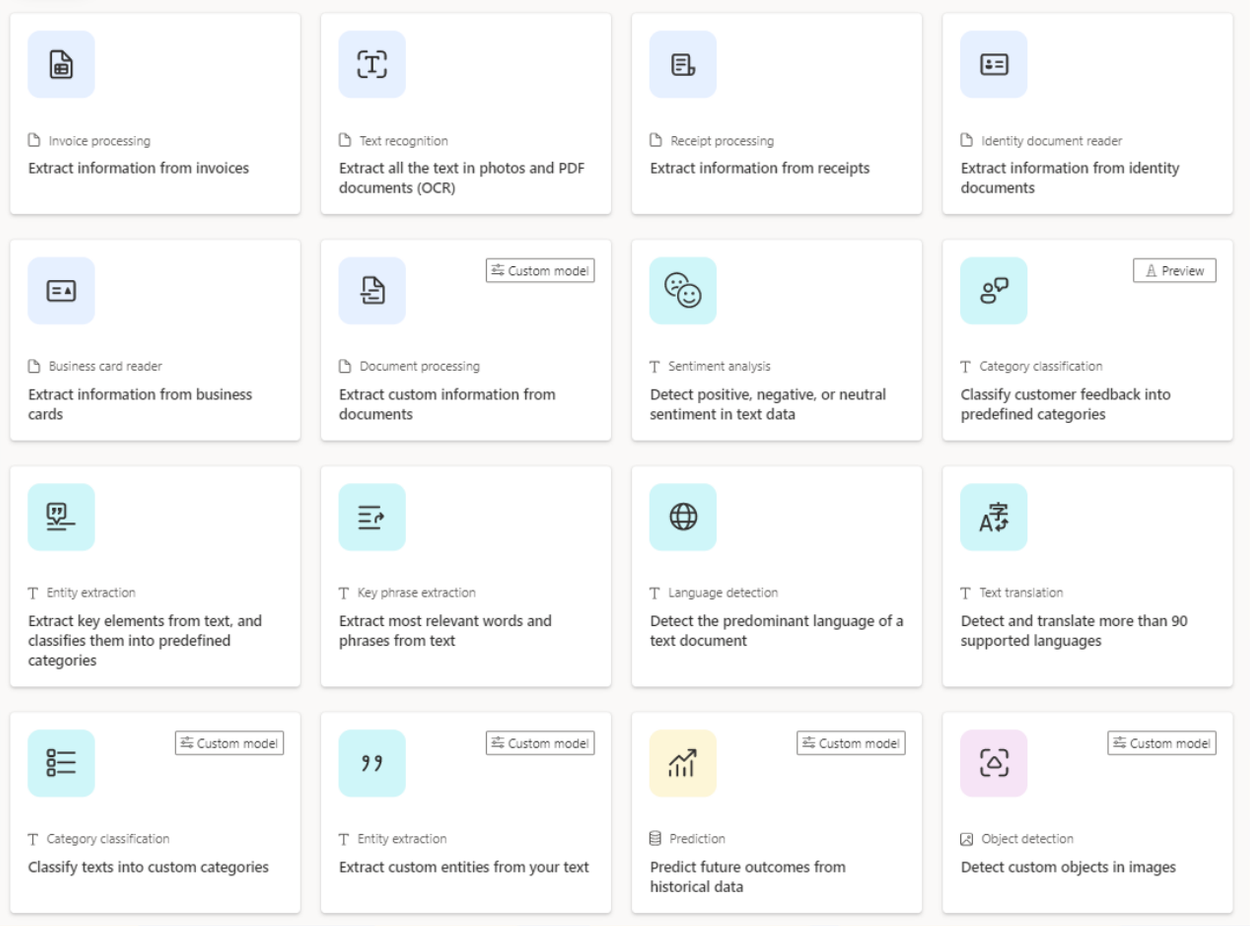
Dataverse

Powerful alone. Even better together.



AI Builder

- Part of the maker portal that allows the creation of AI models
- All point-and-click, no coding needed
- Prebuilt models available or custom
- Can be integrated with Power Apps or Power Automate
- Can be refined and trained further after use



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AI Builder Object Detection Model

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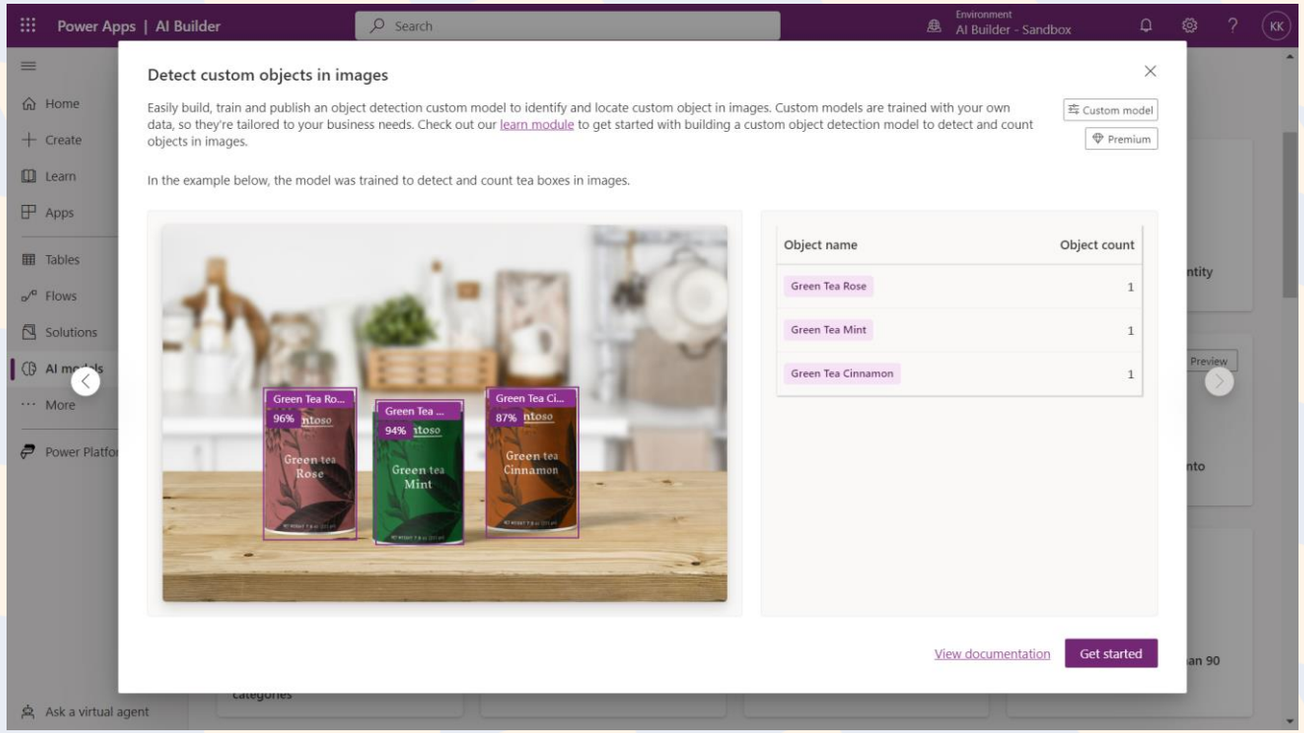
- Determine if and how many of a particular object is in an image
- Example: Streamline inventory management for retail
- Need 15 images per object being tagged
- Try to have varied images for the best accuracy



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Power Apps

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- Canvas Apps for Pixel Perfect Design, connect to multiple data souces
- Model-Driven Apps for displaying Dataverse data

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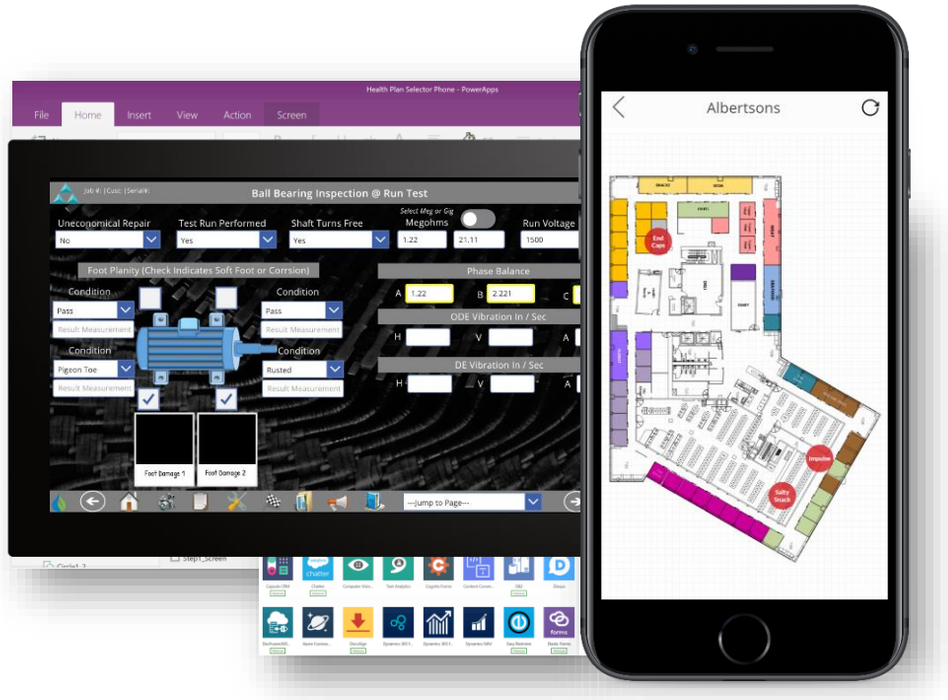
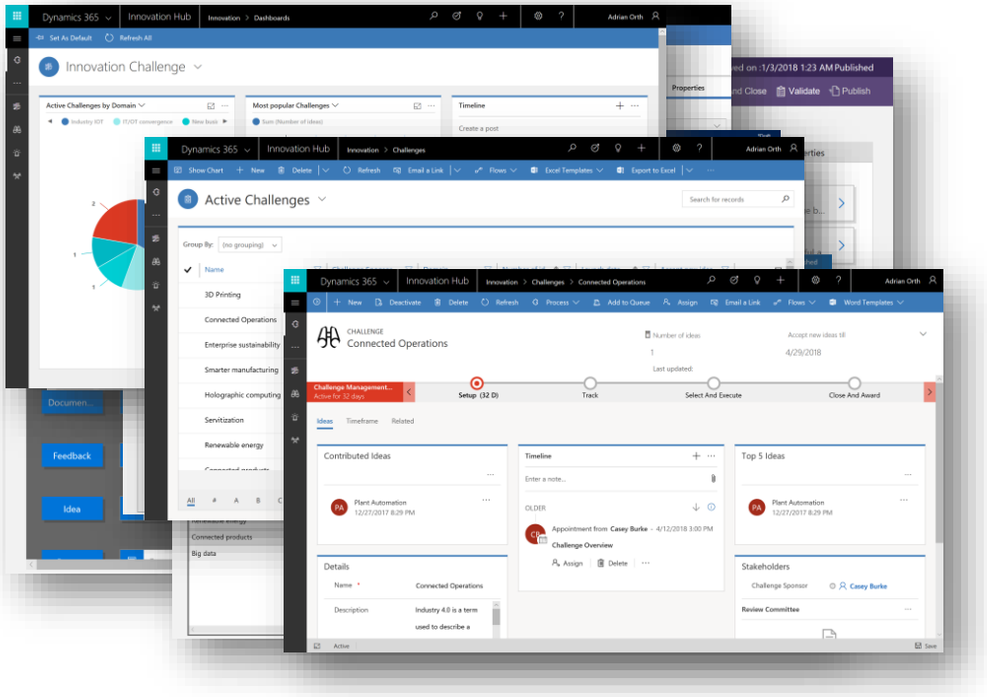
Power Apps



Canvas apps

Start with user experience
WYSIWYG designer
Task- and role-based apps
Mash up data from 200+ sources

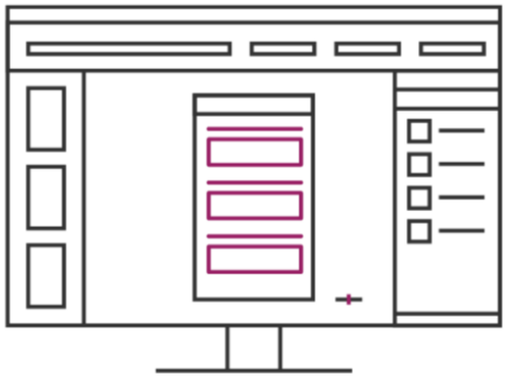


Model-driven apps

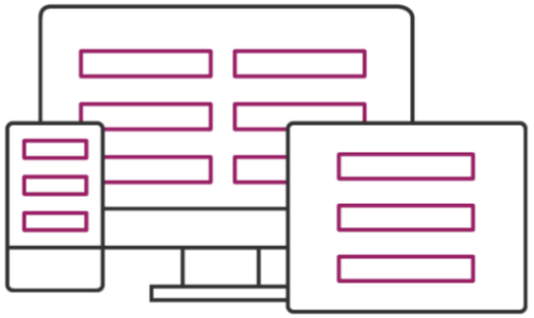
Built on the Common Data Service for Apps
Start with a data model, relationships, and business processes
Build End-to-End business applications

Canvas Apps help business-power-users to create and use custom business apps across platforms using Excel and PowerPoint skills

Connect to data & systems you're already using *easily*

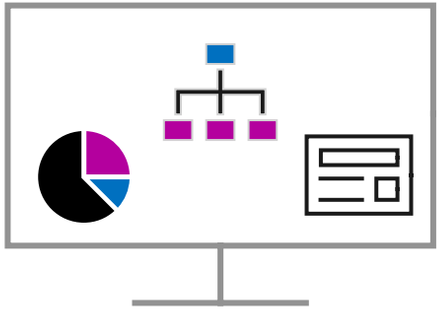


Create apps, forms, and workflows *without writing code*

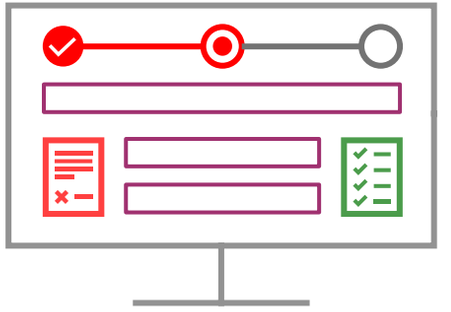


Use apps *on any device* – both web and mobile

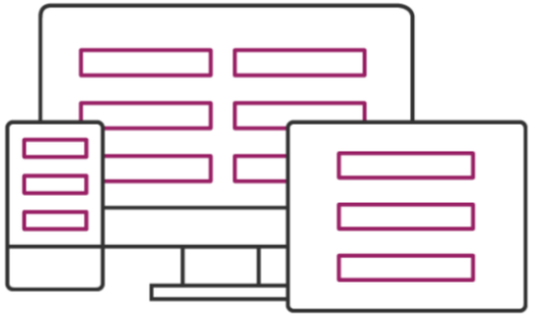
PowerApps Model-driven apps provides a metadata-driven architecture for creating and customizing apps without writing code



Rich ***component-focused*** no-code design environments



Easily add ***Business rules*** and ***Business process flows*** to model your business processes



Complex ***responsive apps*** on web and mobile

Meet Our Cats

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Lady Godiva

Medium hair,
dilute Calico,
princess,
7:30 AM Wake up call

Drifter Kenneth Ellen Parcell Lucifer Lawhorne

Gray and White domestic shorthair

Car engine singleton jerk
Hotboy with IBS

Floofers

Brown tabby with White
Domestic Longhair
Asthmatic angel
Hot boy with IBS

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Live Build

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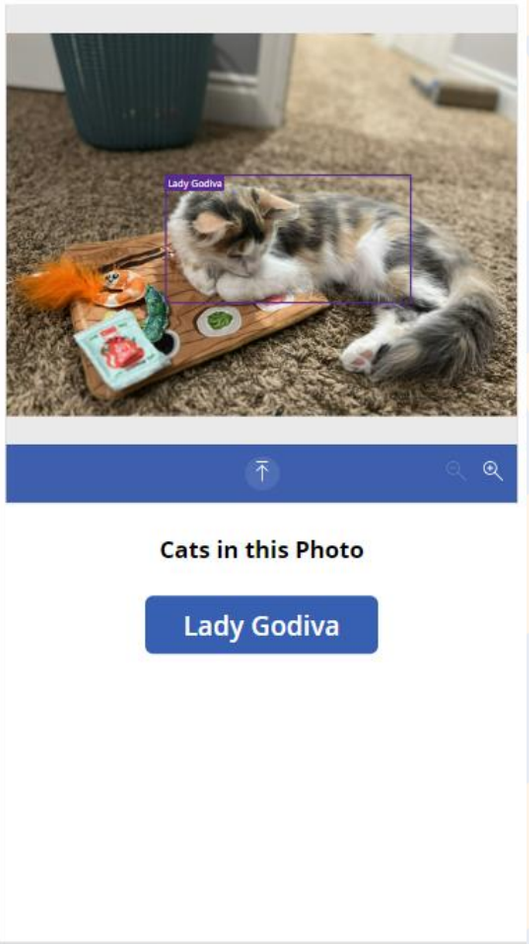
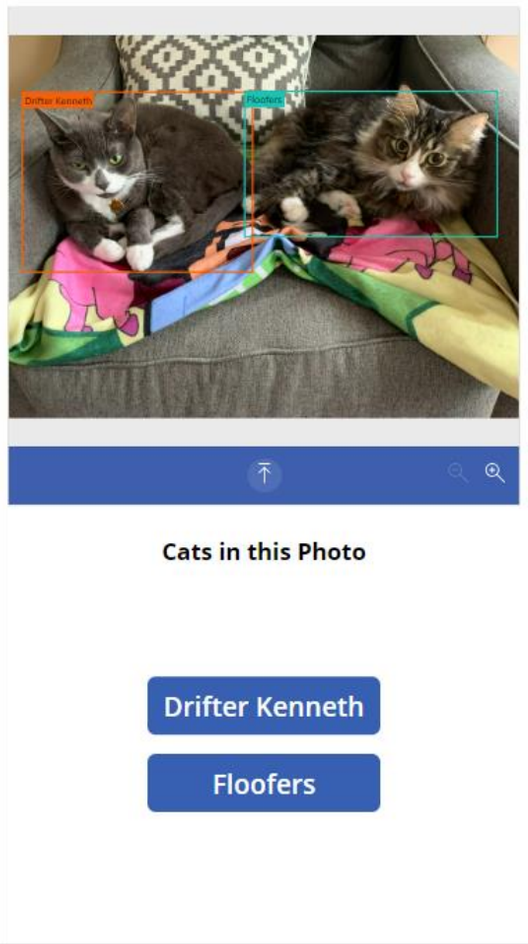
Our App

- Canvas Power App to identify cats in the image





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Demo time!

- Object Detection Model to identify which cat is which
- Add into Canvas Power App
- Power Fx to tell us which cat or cats are in the image
- Put this all in a solution to move between environments
- Retrain the model with additional pictures
- Cat pics: https://rb.gy/ckxbk

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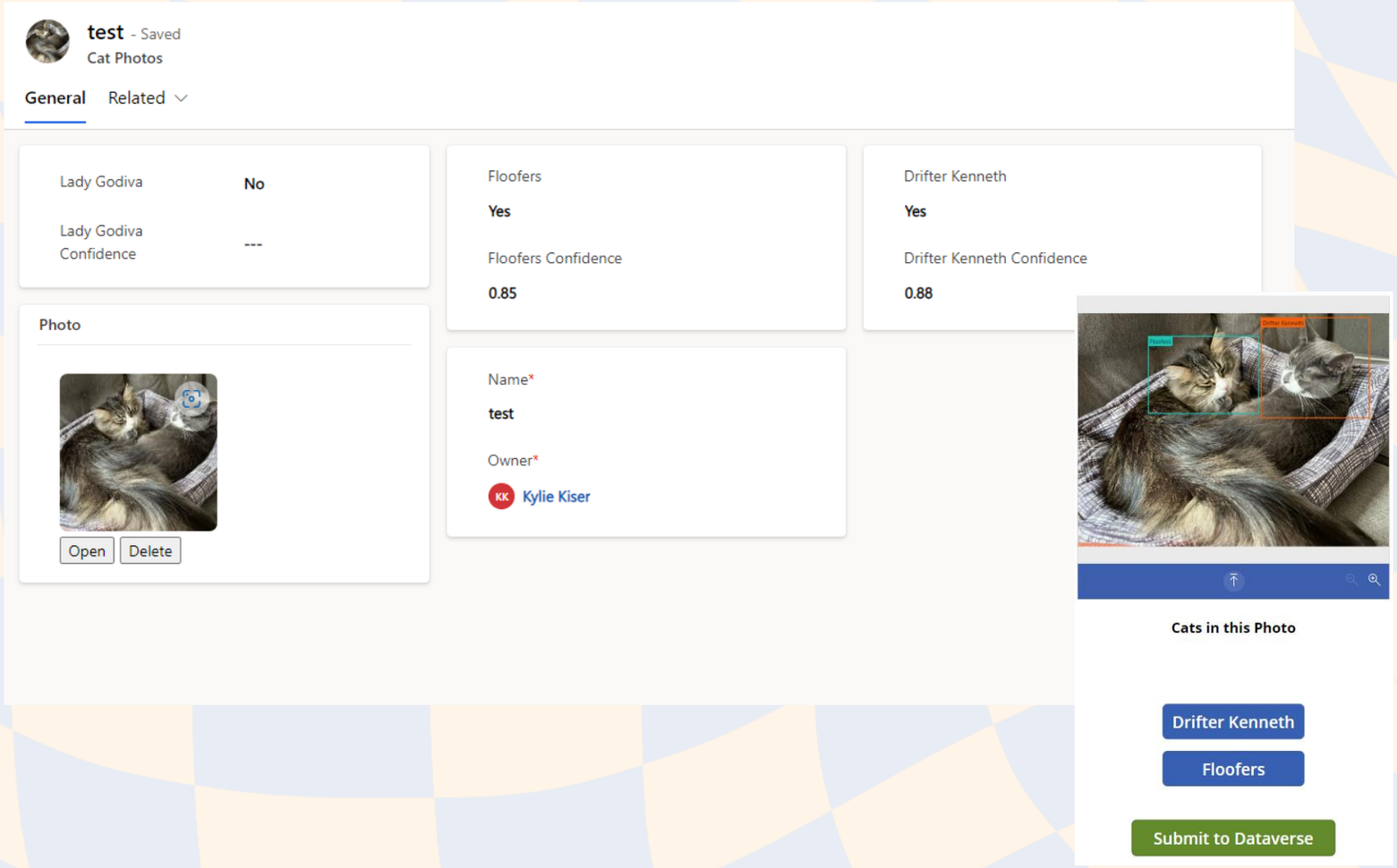
Stretch Goal: Add to Dataverse

- Create Dataverse “Cat Photos” Table
- When Photo is added to the app, add to Dataverse



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Next Steps

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- Potential to make more generic to identify cat breeds
- Could be done via Power Automate on large volumes of images
- Images and tags could be saved in Dataverse

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Key take-aways

- AI Builder is easy to get started with!
- Some models with no training or just point-and-click
- Models can easily be added into Canvas Power Apps

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Suggested Resources

Object Detector Documentation

Introduction to AI in the Power Platform Presentation

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Questions?

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Thank you for attending!

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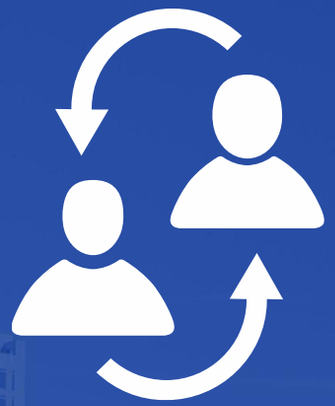

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