Top 10 Tips

For Debugging Power Apps and Power Automate

Introduction

Jamie Willis-Rose

Power Platform Developer
at AIS (Applied Information Sci...

Jamie Willis-Rose

Power Platform Developer @ Applied Information Sciences

- Experience with Power Platform (including Dynamics 365) and SharePoint
- Experience with non-profit, broadcast and government agencies
- User group leader in the Washington, DC area and speaker

LinkedIn: **https://www.linkedin.com/in/jamiewillisrose/**

Twitter: **@jwillisrose**

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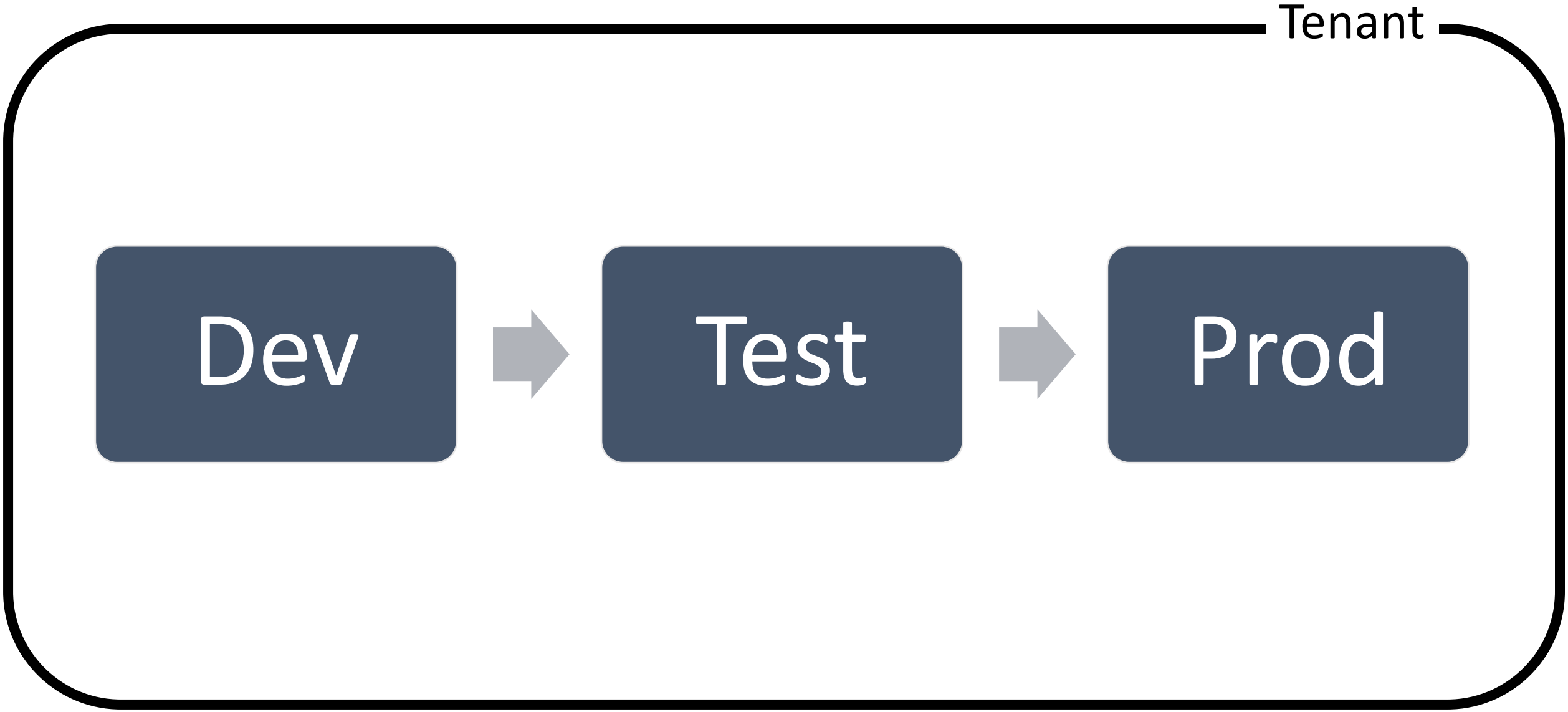
Winner

Microsoft Partner of the Year

Power Apps and Power Automate

Power Apps

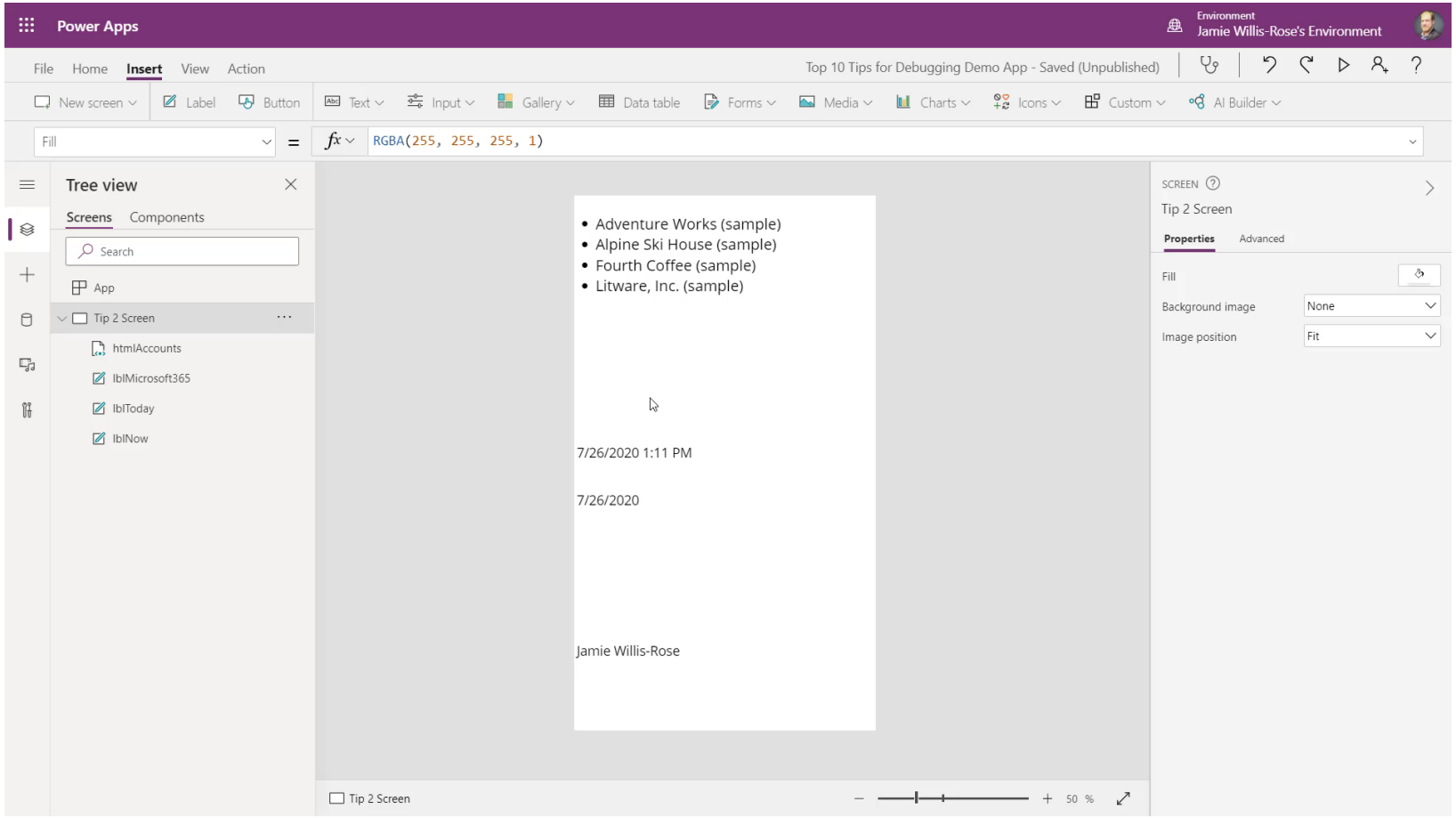
Environments



Power Platform Adoption Framework

https://PowerPlatform.AF

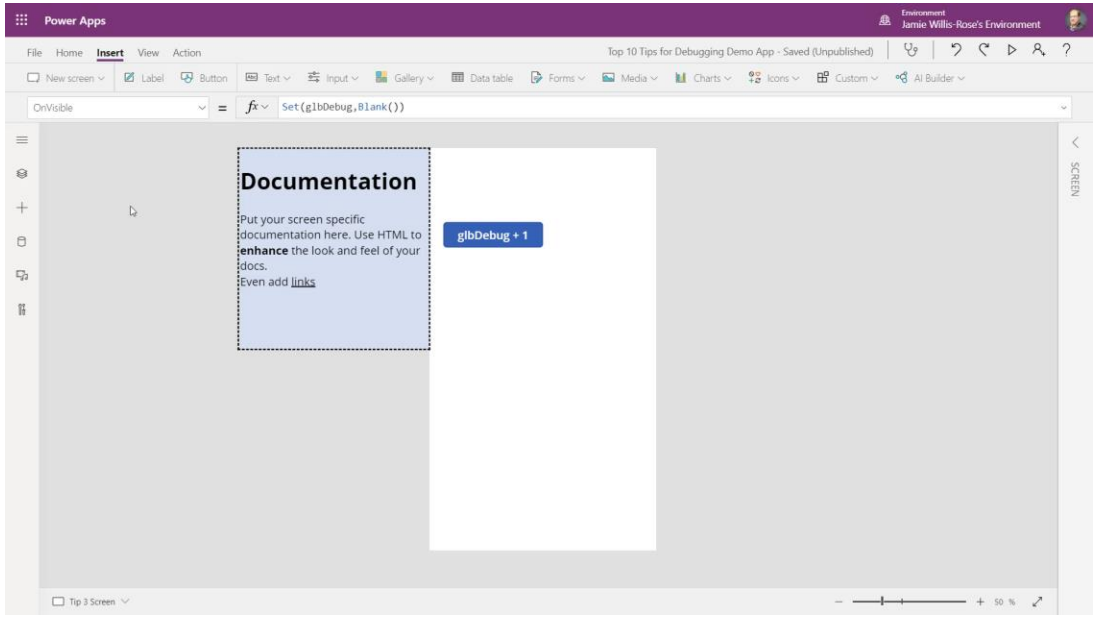
Results View



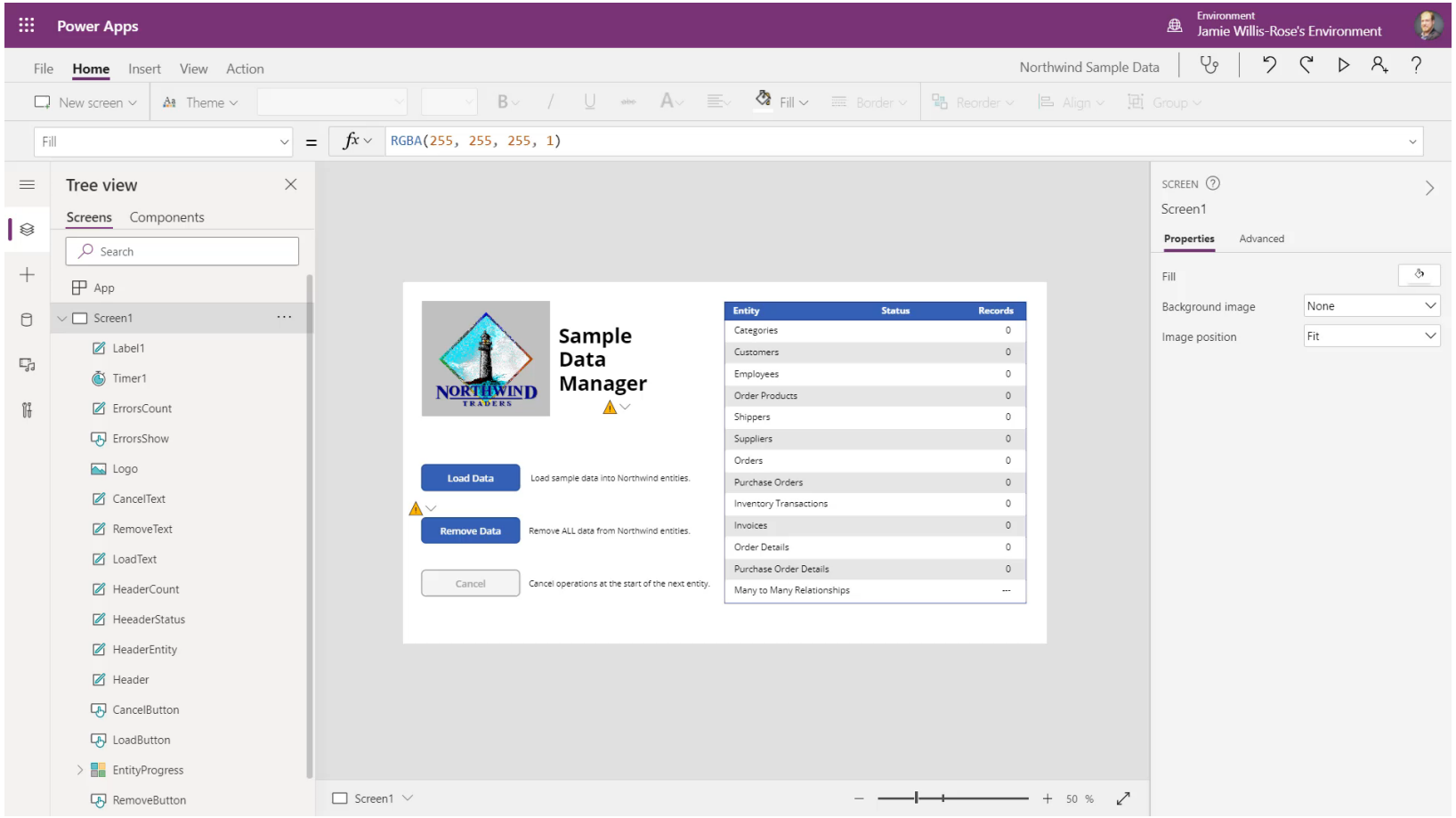
https://powerapps.microsoft.com/en-us/blog/canvas-debugging-with-results-view/

Hidden Documentation/Debug Panel

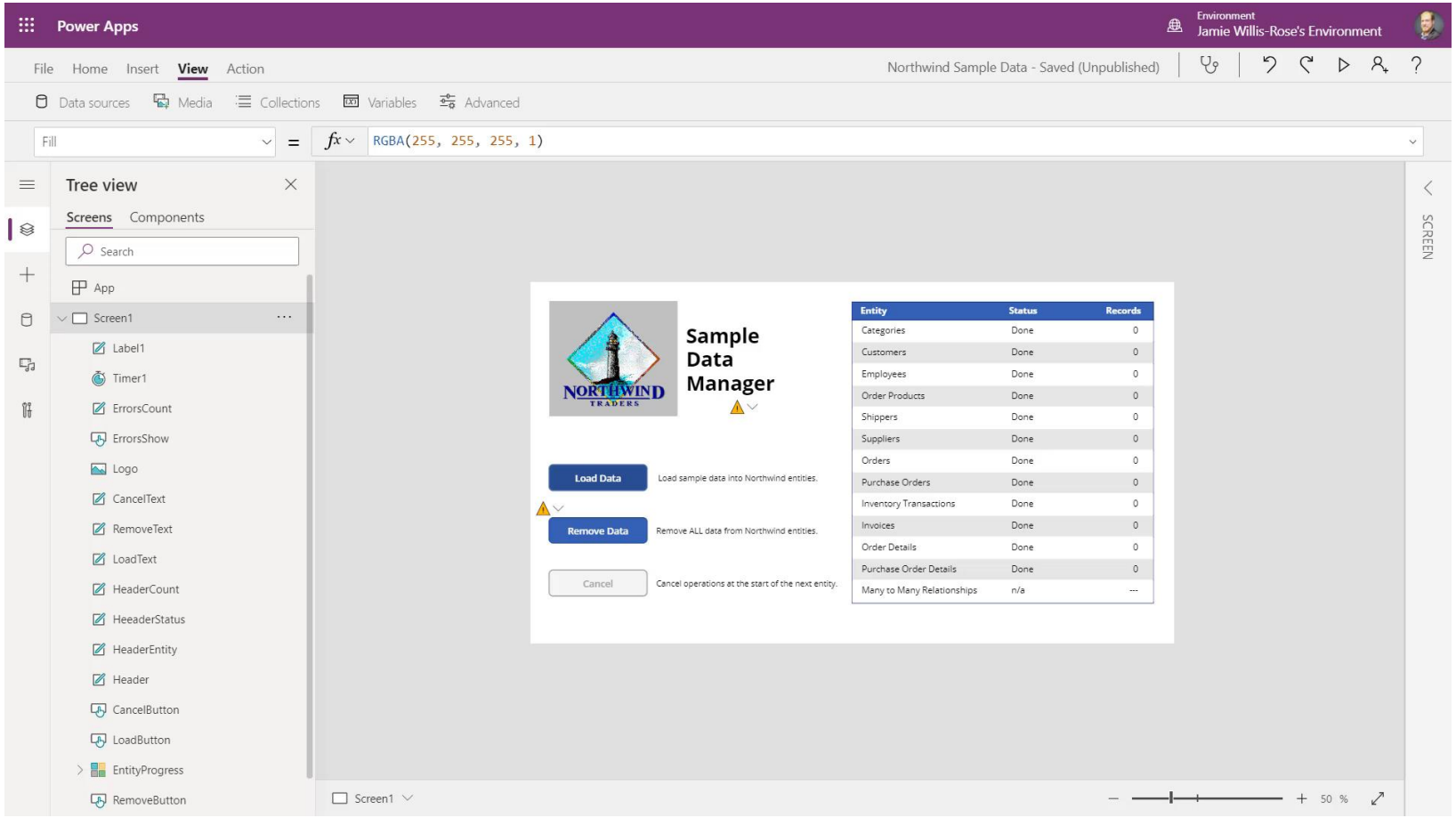
https://toddbaginski.com/



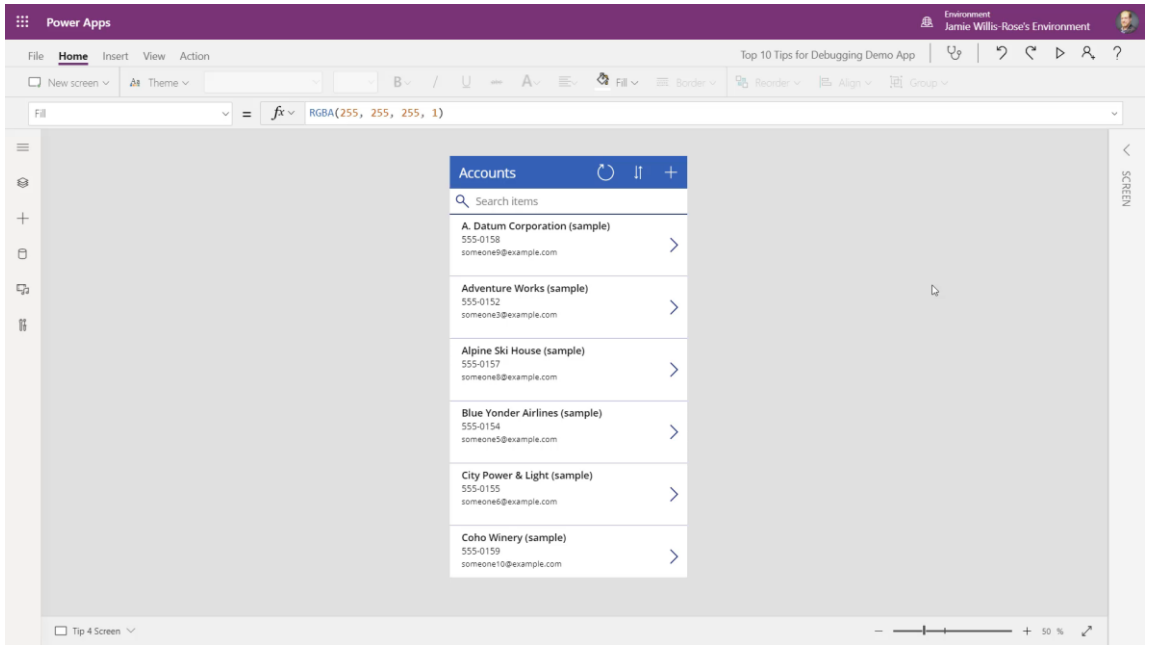
Monitor


Power Apps
Environment
Jamie Willis-Rose's Environment
File
Home
Insert
View
Action
Northwind Sample Data
New screen
Theme
Fill
Border
Reorder
Align
Group
Fill
RGBA(255, 255, 255, 1)
Tree view
Screens
Components
Search
App
Screen1
Label1
Timer1
ErrorsCount
ErrorsShow
Logo
CancelText
RemoveText
LoadText
HeaderCount
HeeaderStatus
HeaderEntity
Header
CancelButton
LoadButton
EntityProgress
RemoveButton
Sample Data Manager
Load Data
Load sample data into Northwind entities.
Remove Data
Remove ALL data from Northwind entities.
Cancel
Cancel operations at the start of the next entity.
Entity
Status
Records
Categories 0
Customers 0
Employees 0
Order Products 0
Shippers 0
Suppliers 0
Orders 0
Purchase Orders 0
Inventory Transactions 0
Invoices 0
Order Details 0
Purchase Order Details 0
Many to Many Relationships ---
SCREEN
Screen1
Properties
Advanced
Fill
Background image
None
Image position
Fit
Screen1
50 %

Trace() function

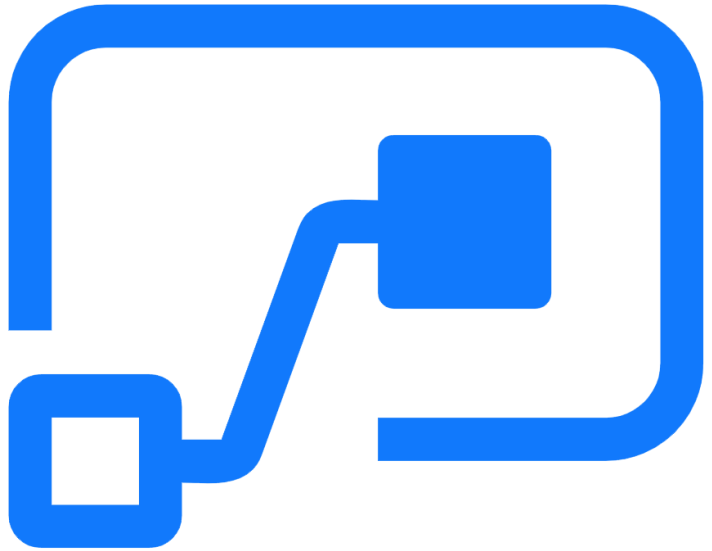


Test Studio

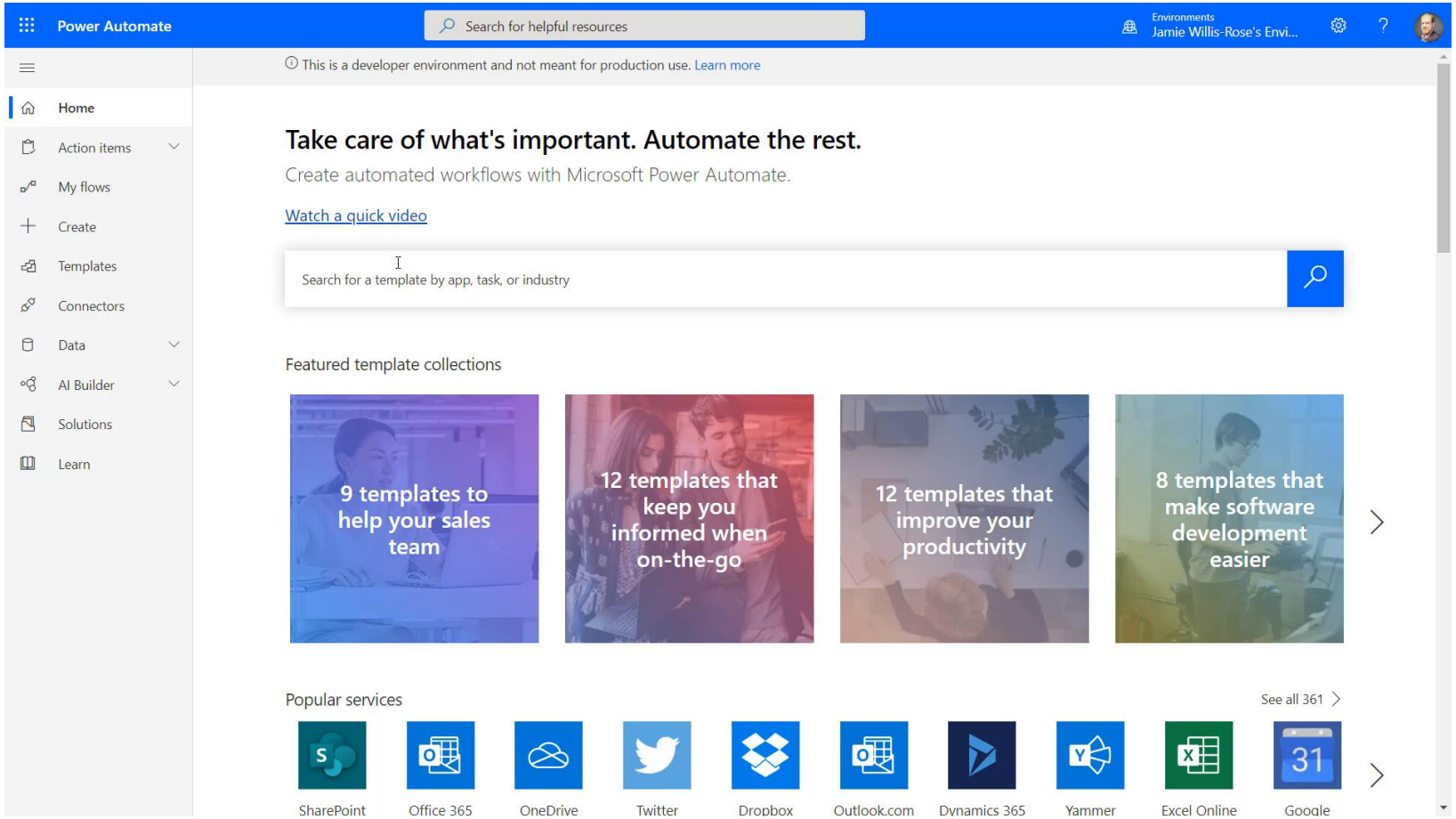


More links at end of presentation

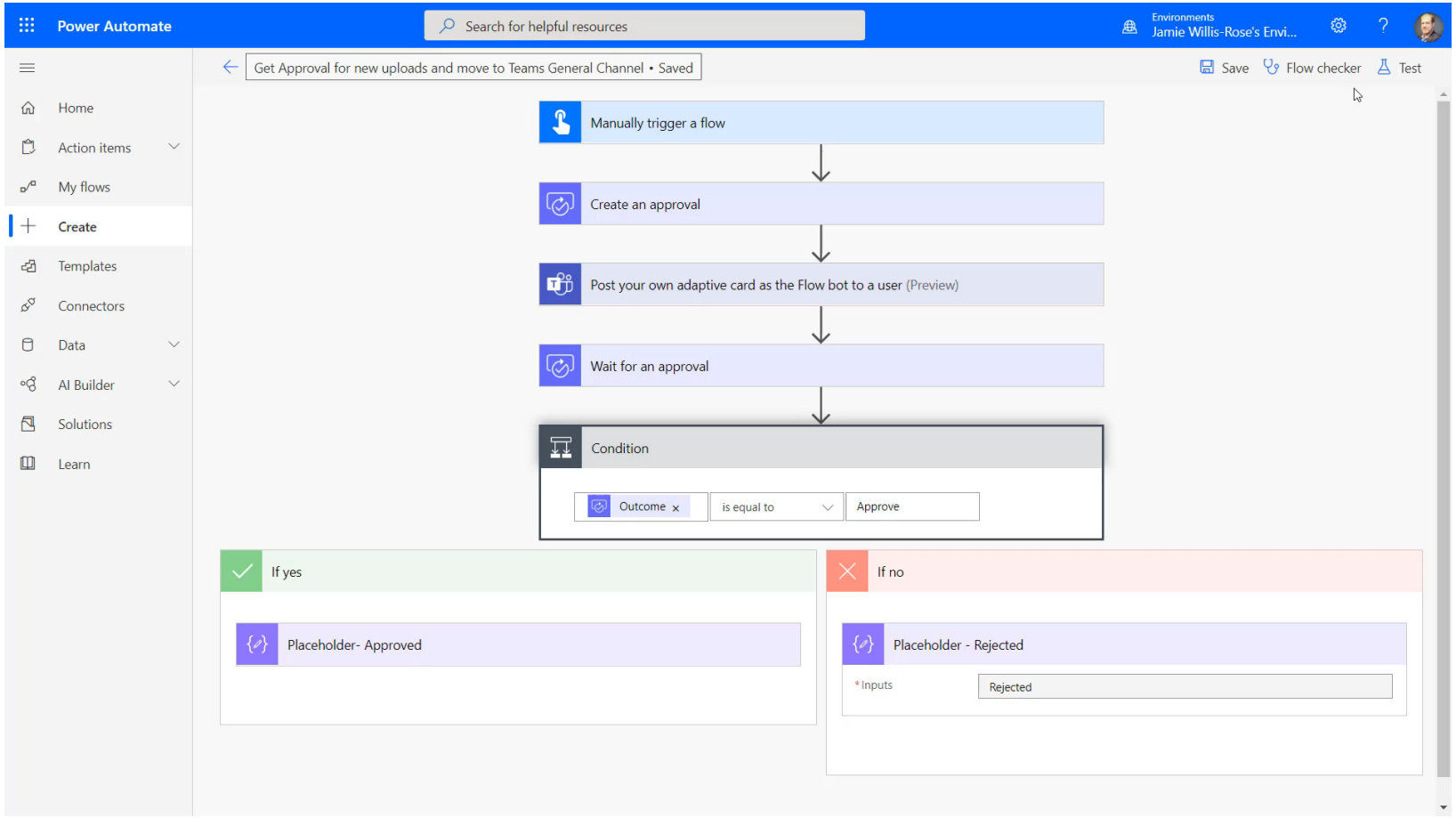
Power Automate



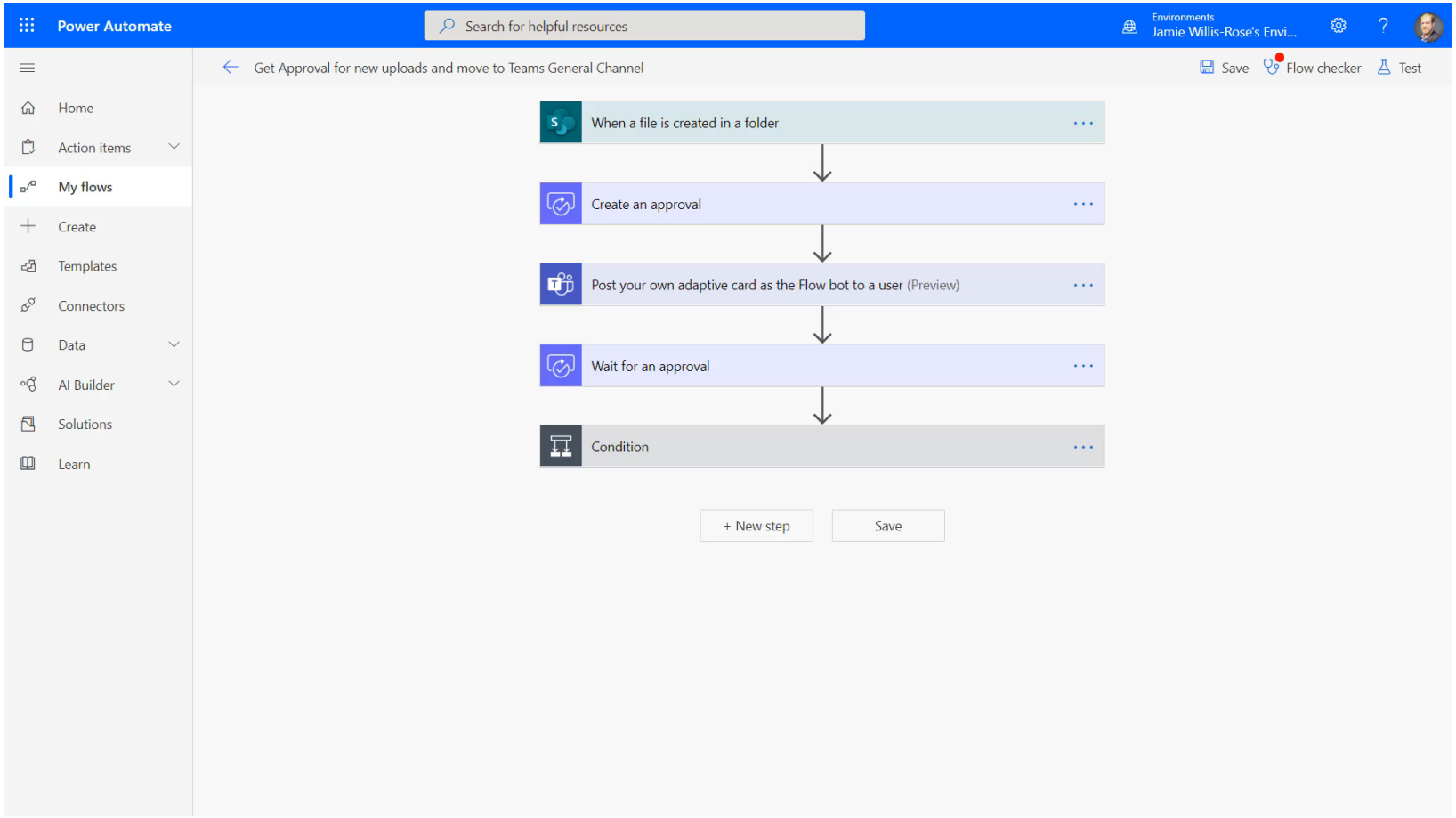
Manual Triggers & Test



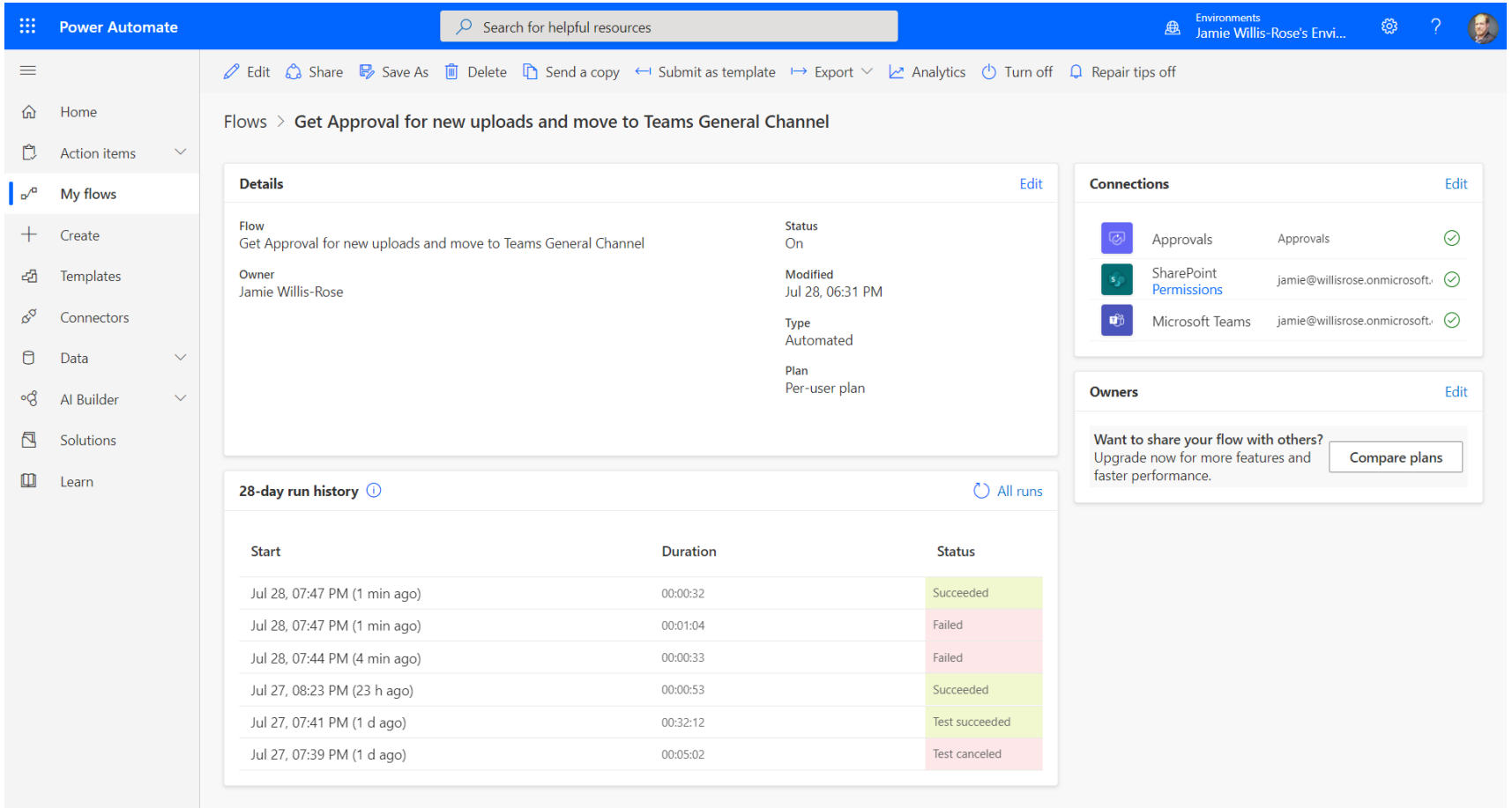
Manual Triggers & Test



Flow Checker



Error Handling



Error Handling

Automated

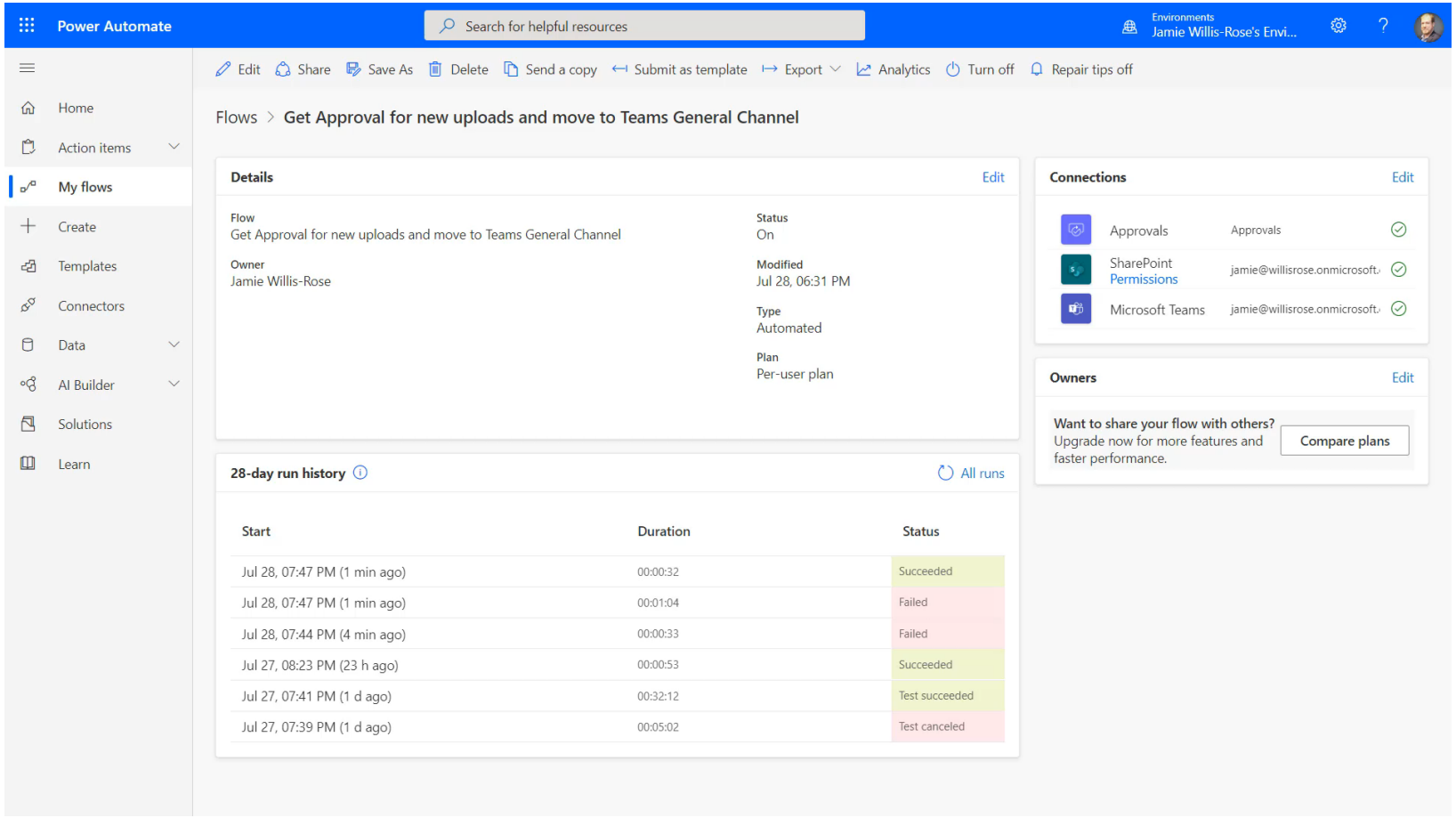
Plan
Per-user plan

28-day run history ⓘ

All runs

Start	Duration	Status
Jul 28, 07:47 PM (1 min ago)	00:00:32	Succeeded
Jul 28, 07:47 PM (1 min ago)	00:01:04	Failed
Jul 28, 07:44 PM (4 min ago)	00:00:33	Failed
Jul 27, 08:23 PM (23 h ago)	00:00:53	Succeeded
Jul 27, 07:41 PM (1 d ago)	00:32:12	Test succeeded
Jul 27, 07:39 PM (1 d ago)	00:05:02	Test canceled

Error Handling

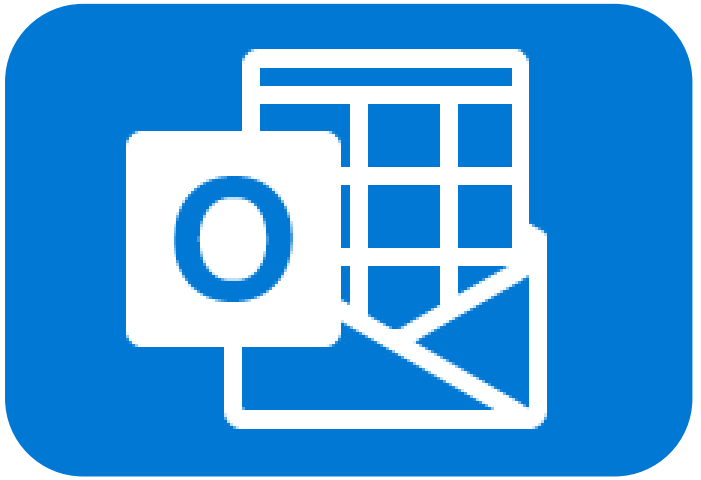


This Photo by Unknown Author is licensed under CC BY-NC

Send Notifications

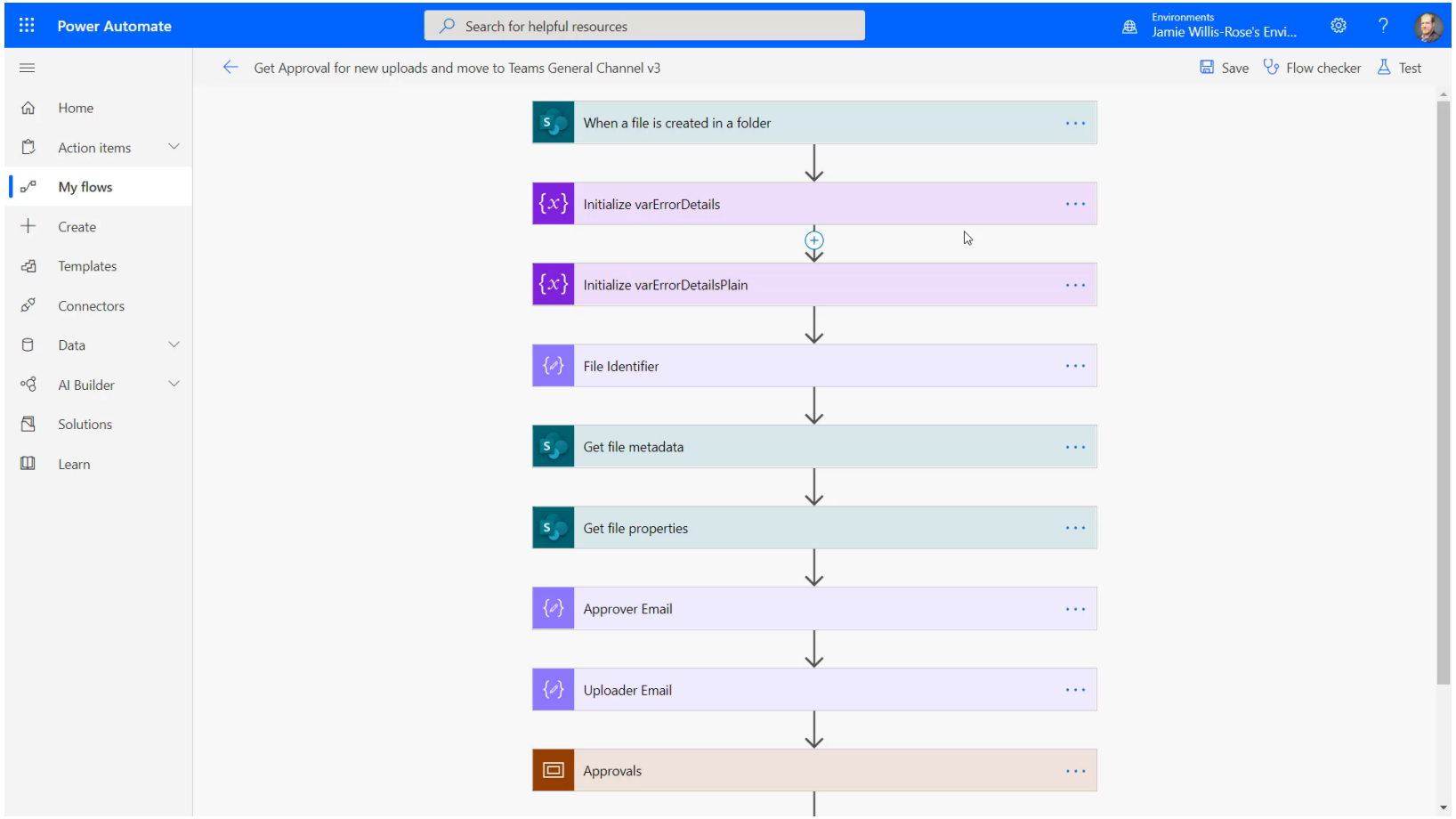
Notification

Teams



Outlook

Send Notifications



Send Notifications

Child Flows

Why Child Flows

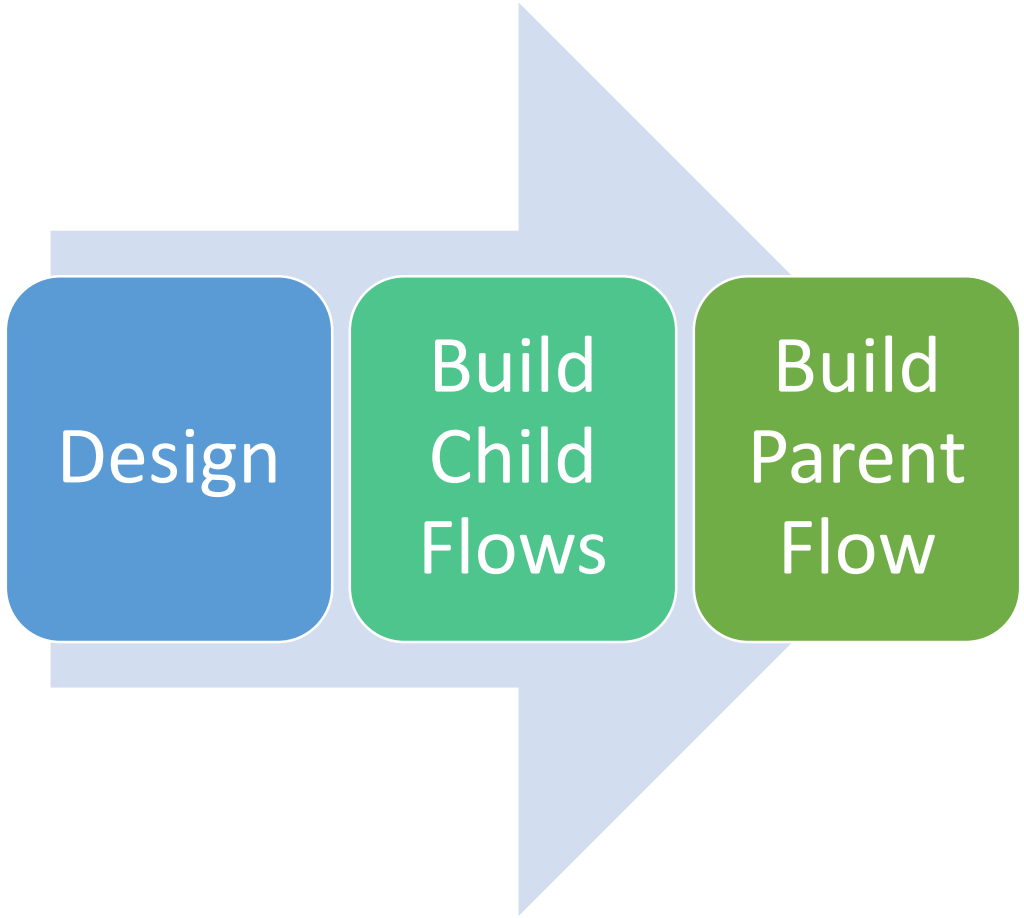
Single Flow

Pros	Cons
• Everything in one flow • Does not require solution	• Difficult to debug • Complex error handling

Parent-Child Flows

Pros	Cons
• Reusable functionality • Easier to debug • Parallel functions • Improved Error Handling • Easier to import/export	• Requires Solution • Planning required

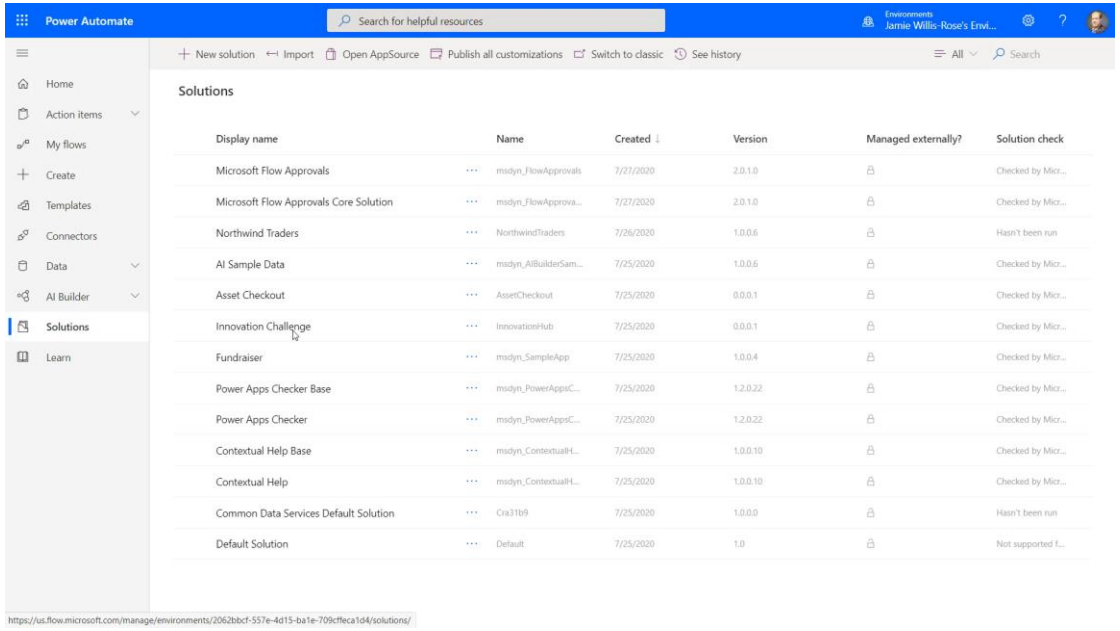
Child Flows


Design
Build Child Flows
Build Parent Flow

Workflow
abandons
1 hr. del
1 day de

Child Flows

Power Automate
Parent & Child
Flows
w/Ashley Rogers
@AshleyKHillier


Power Automate
Search for helpful resources
Environments
Jamie Willis-Rose's Envi...
New solution
Import
Open AppSource
Publish all customizations
Switch to classic
See history
All
Search
Home
Action items
My flows
Create
Templates
Connectors
Data
AI Builder
Solutions
Learn
Solutions
Display name
Name
Created
Version
Managed externally?
Solution check
Microsoft Flow Approvals
Microsoft Flow Approvals Core Solution
Northwind Traders
AI Sample Data
Asset Checkout
Innovation Challenge
Fundraiser
Power Apps Checker Base
Power Apps Checker
Contextual Help Base
Contextual Help
Common Data Services Default Solution
Default Solution
https://us.flow.microsoft.com/manage/environments/2062bbcf-557e-4d15-ba1e-709cffeca1d4/solutions/

Review

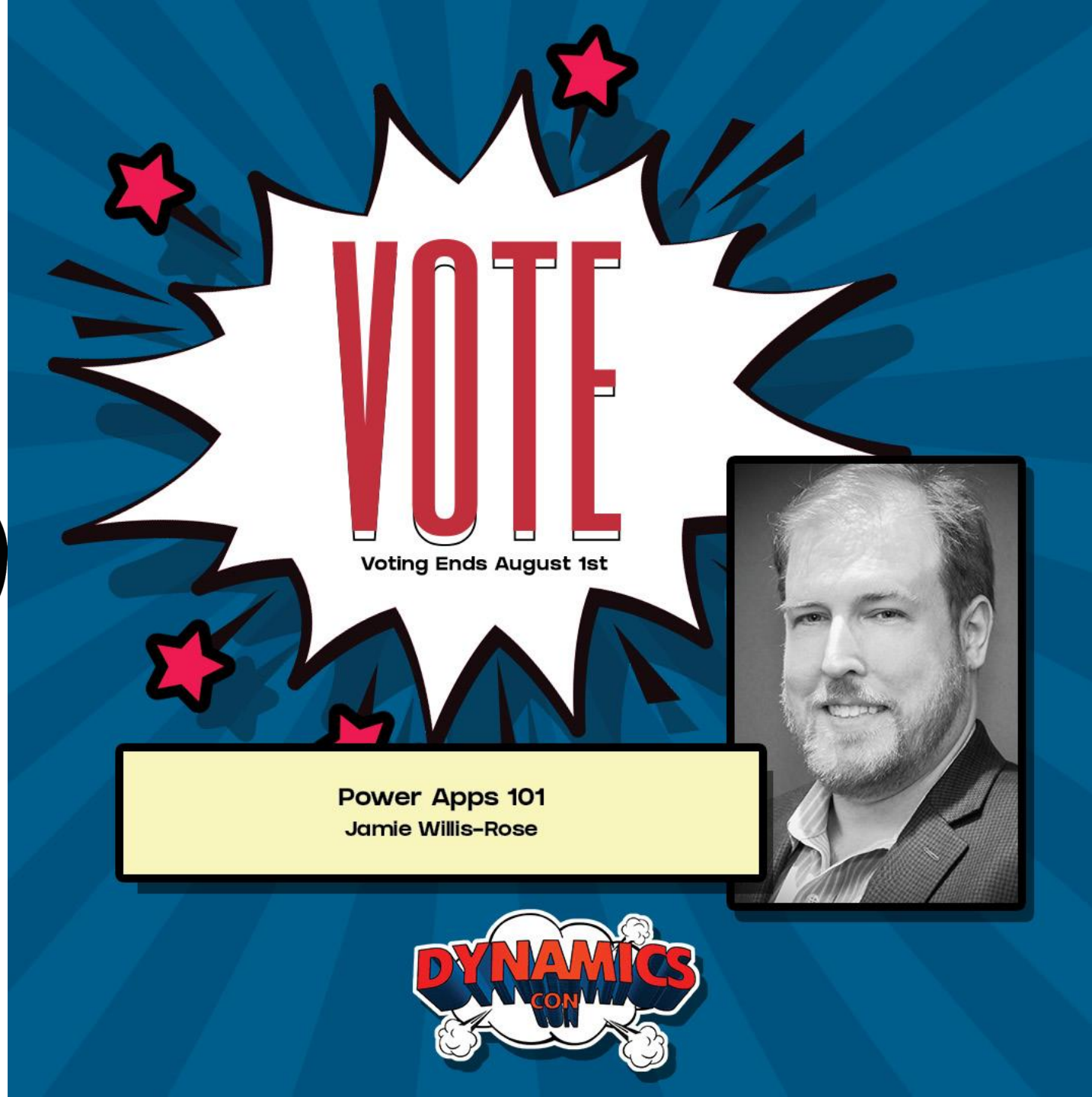
Environments	Results View	Hidden Panel	Monitor • Trace()	Test Studio
Manual Triggers	Flow Checker	Error Handling	Send Notifications	Child Flows

Events

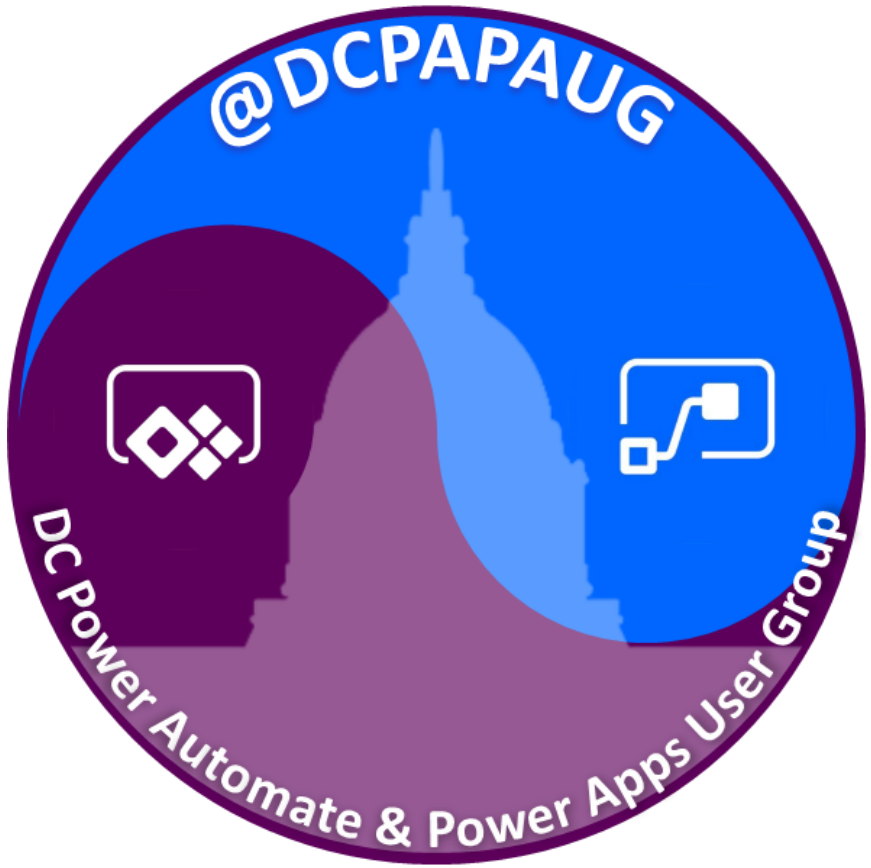
A VIRTUAL EVENT

DYNAMICSCON

FOR THE COMMUNITY
BY THE COMMUNITY



https://dynamicscon.com/



August 20th at 5:30pm EDT (2130 UTC)

How to use UI Flows with WinAutomation to enable legacy/manual tasks

Uday Adhikari

Session will cover

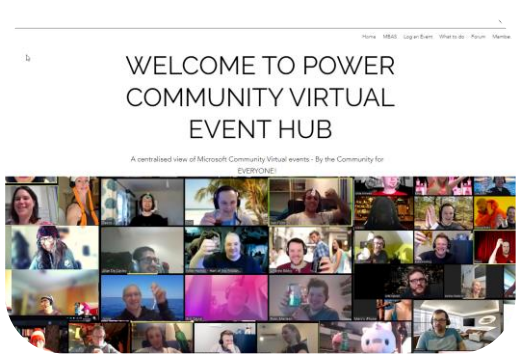
- Installing & configuring WinAutomation
- Submitting a web form and integration to UI Flows
- Tips and tricks

Full Details and Register here:

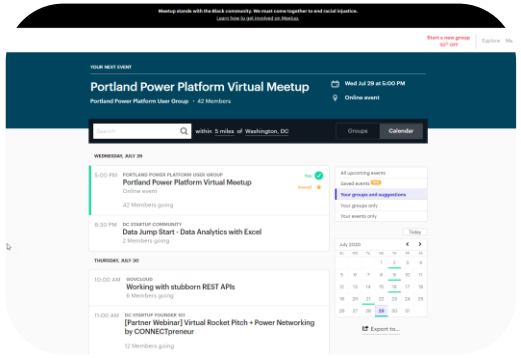
https:/www.flowug.com/dc

@DCPAPAUG

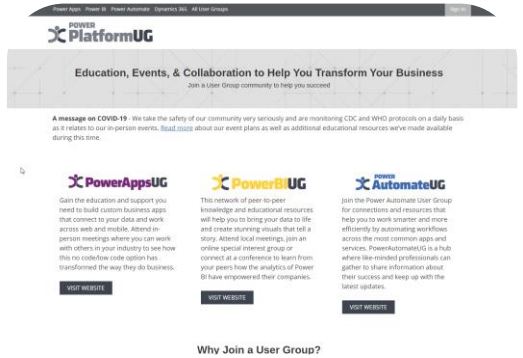
Find More Events



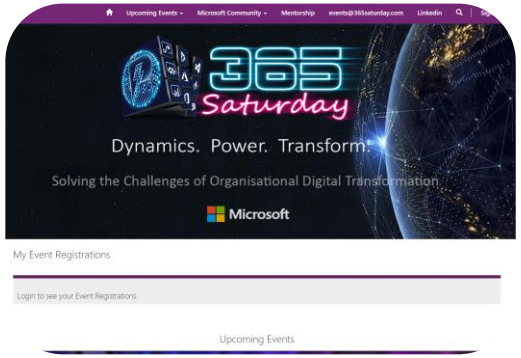
www.virtualeventshub.com



www.meetup.com



www.powerplatformug.com



https://www.365portal.org/

Resources

Power Apps

Environments

- https://docs.microsoft.com/en-us/power-platform/admin/environments-overview
- http://www.powerplatform.af/

Results View

- https://powerapps.microsoft.com/en-us/blog/canvas-debugging-with-results-view/

Monitor

- https://powerapps.microsoft.com/en-us/blog/introducing-monitor-to-debug-apps-and-improve-performance/
- https://powerapps.microsoft.com/lv-lv/blog/use-monitor-to-debug-your-published-app/
- https://knowledgefrommanish.com/powerapps/power-apps-use-monitor-to-debug-your-published-app/

Trace()

- https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/functions/function-trace

Hidden Panel

- https://toddbaginski.com/blog/how-to-create-a-hidden-documentation-and-debug-panel-in-powerapps/

Test Studio

- https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/test-studio
- [VIDEO]: Power Apps Test Framework - Automated Testing
- [VIDEO]: Power Apps - New Test Studio
- [VIDEO]: Power Apps - Test Studio Intro Revisited
- [VIDEO]: Power Apps - Save Test Studio Results
- [VIDEO]: Power Apps test framework

Power Automate

Manual Triggers

- https://docs.microsoft.com/en-us/power-automate/introduction-to-button-flows

Flow Checker

- https://docs.microsoft.com/en-us/power-automate/error-checker

Error Handling

- https://poszytek.eu/en/microsoft-en/office-365-en/powerautomate-en/try-catch-pattern-in-microsoft-flow/
- https://blogs.msmvps.com/windsor/2019/04/25/microsoft-flow-error-handling/
- https://sergeluca.wordpress.com/2018/03/12/pattern-for-microsoft-flow-error-handling/
- https://sharepains.com/2018/02/07/power-automate-try-catch-finally-flow/

Send Notifications

- https://docs.microsoft.com/en-us/connectors/flowpush/
- https://docs.microsoft.com/en-us/connectors/teams/
- https://docs.microsoft.com/en-us/connectors/office365/

Child Flows

- https://flow.microsoft.com/en-us/blog/helpful-tips-for-using-child-flows/
- [VIDEO]: Power Automate Tutorial - Parent & Child Flows
- [VIDEO]: Microsoft Flow call another Flow - Power Automate, MailChimp, Excel, child flow, and more

Thank You

Microsoft Partner

2020 Partner of the Year Winner
PowerApps and Power Automate Award

2020/2021 INNERCIRCLE
for Microsoft Business Applications

www.appliedis.com