

Modern Processes w/ Power Automate

Charles Lakes,
Creative Solution Architect



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Workforce and
Community Development

Session Feedback

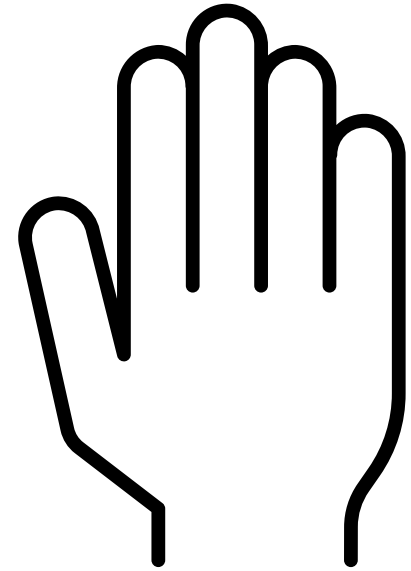
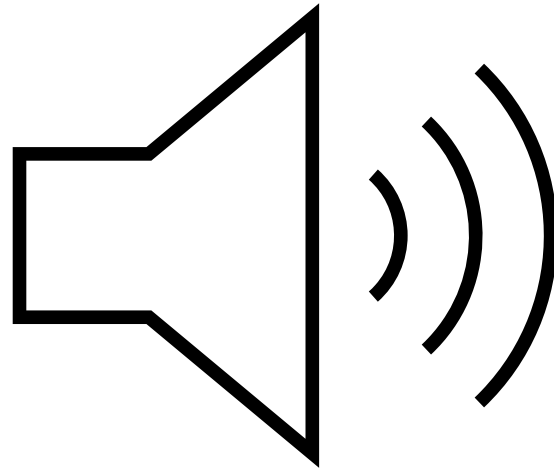


After event meet up

ROUND 6 Brewery

427 Whitecrest Drive, Maryville
(Near Home Depot)

**Before
We Get
Started**



About Me

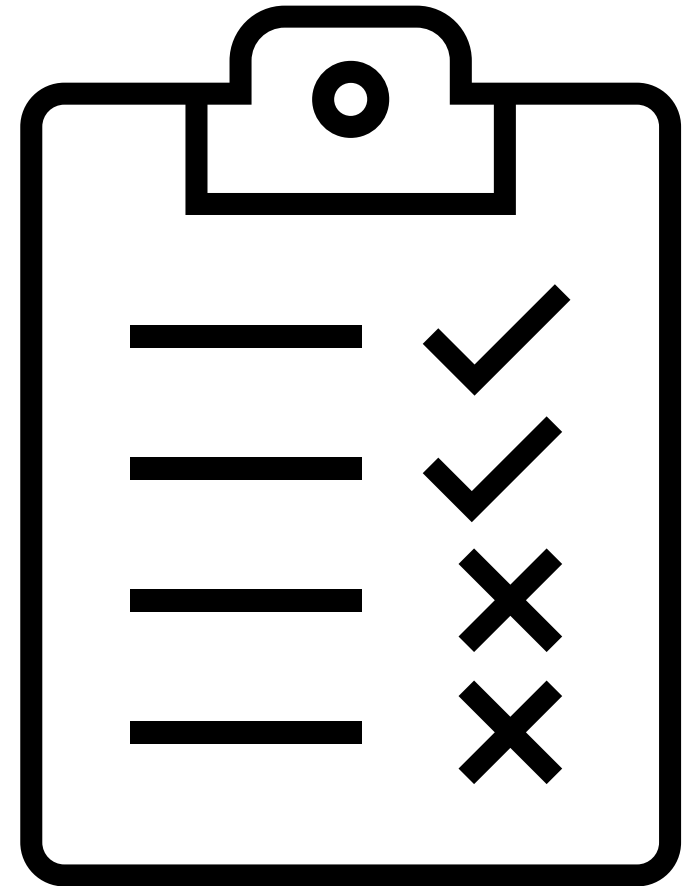
- Blogger
- Speaker
- Developer
- Middle-child



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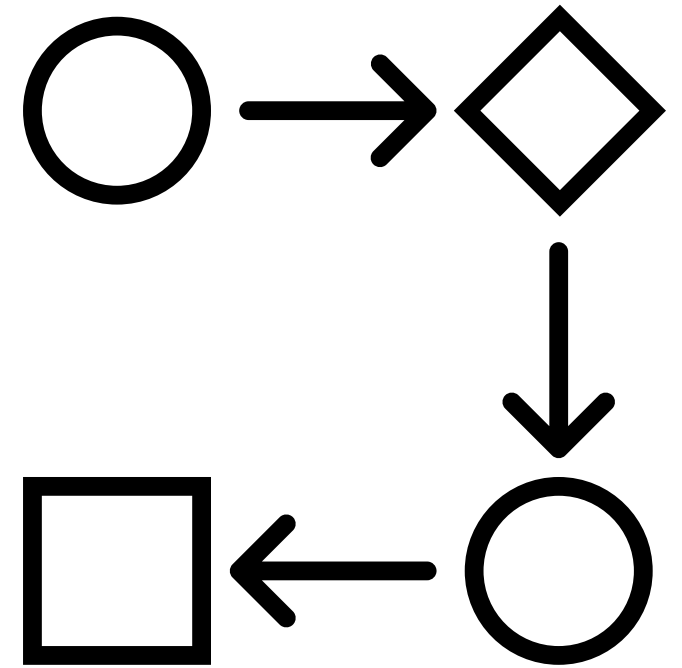
Objectives

- Understanding workflows.
- Understanding triggers.
- Understanding actions.
- Understanding connectors.
- Understanding variables.
- Understanding expressions.
- Understanding controls.



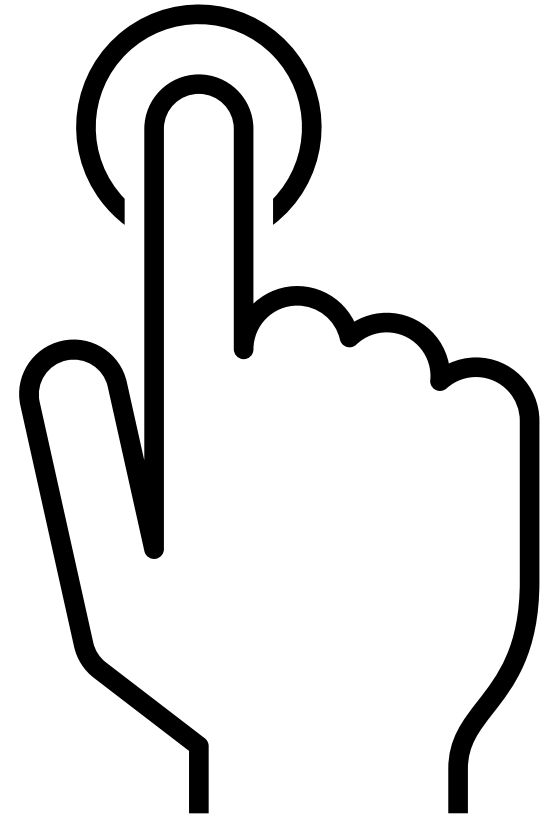
Define | Workflows:

“a **structured** series of **steps** that take you from the beginning to the end of a **process**.”



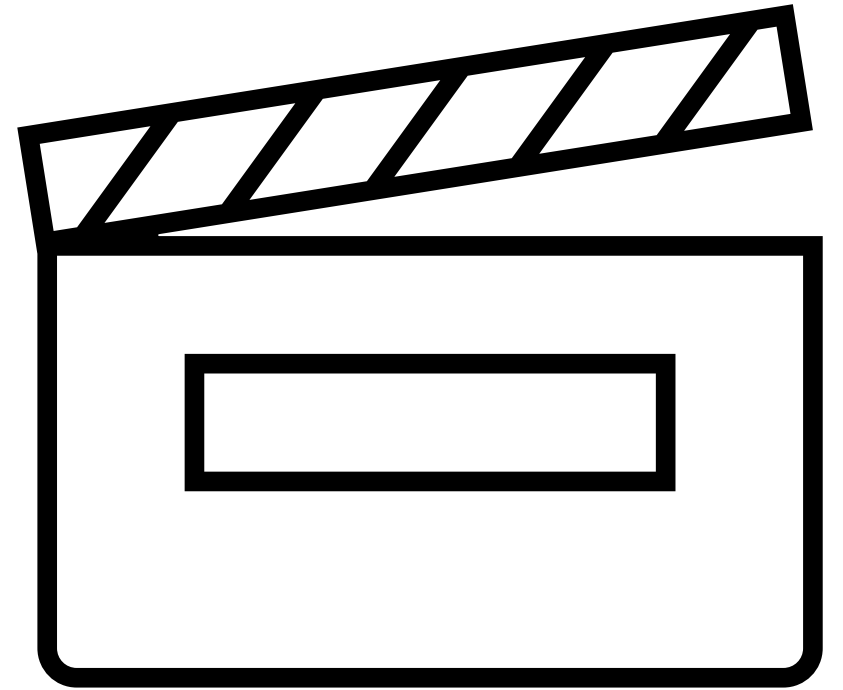
Define | Triggers:

- Automated
 - : designated event
 - **E.g.**, receive an email, assign task item
- Instant
 - : button press
 - **E.g.**, Power Automate mobile app
- Scheduled
 - : timer
 - **E.g.**, every morning, once a week, monthly



Define | Actions:

- Create
 - E.g., Send an email
- Read
 - E.g., Query SQL data table
- Update
 - E.g., Complete project task item
- Define
 - E.g., Remove file from SFTP server



Define | Connectors:

- Standard
 - E.g., SharePoint, Box, Google Sheets
- Premium
 - E.g., SQL Server, DocuSign, Eventbrite



Dropbox



Notifications



Google Calendar



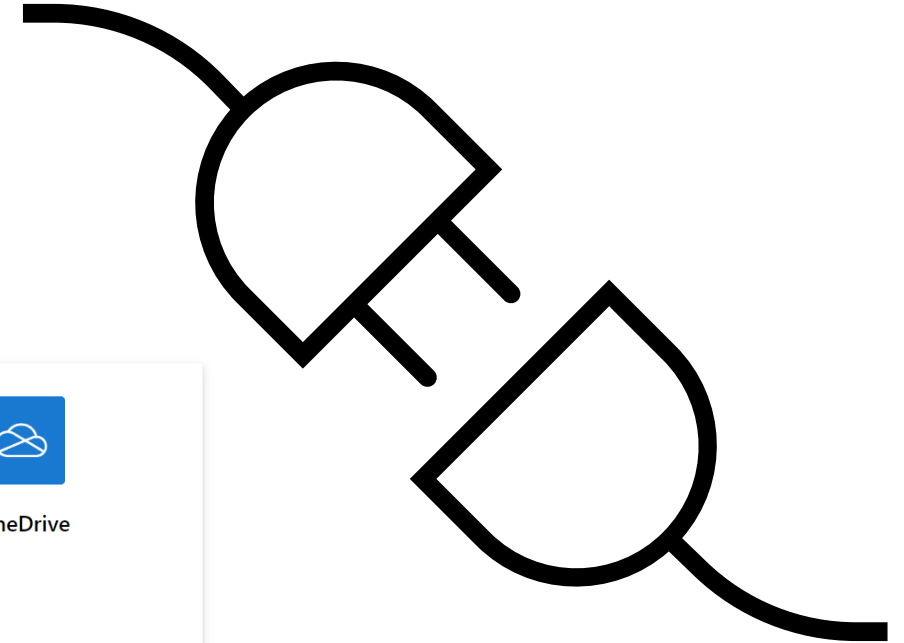
Office 365 Outlook



Office 365 Users



OneDrive



Define | Connectors:

- Standard
 - E.g., SharePoint, Box, Google Sheets
- Premium
 - E.g., SQL Server, DocuSign, Eventbrite



Google PaLM
(Independent...

Premium



GoToMeeting

Premium



GoToTraining

Premium



GoToWebinar

Premium



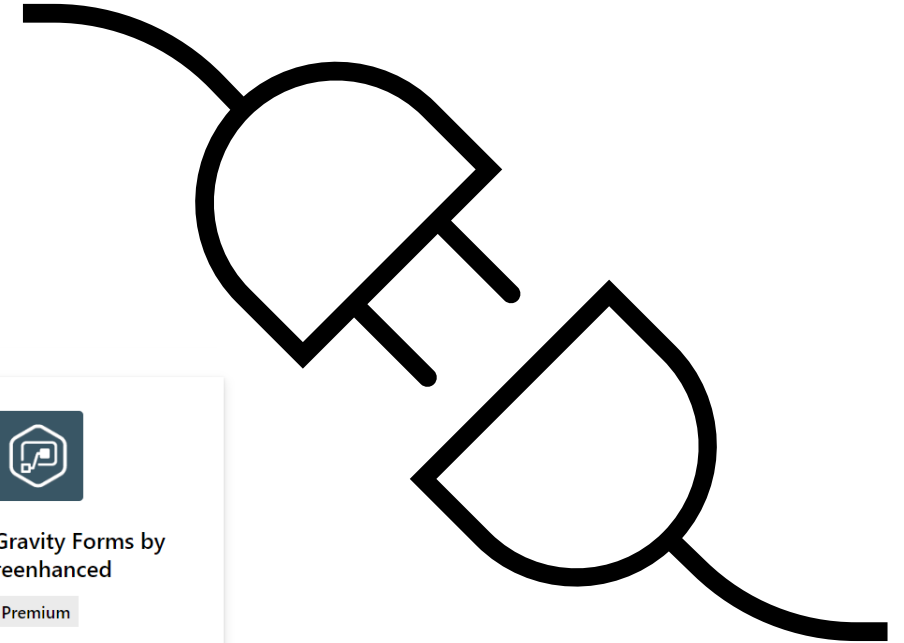
Gratavid

Premium



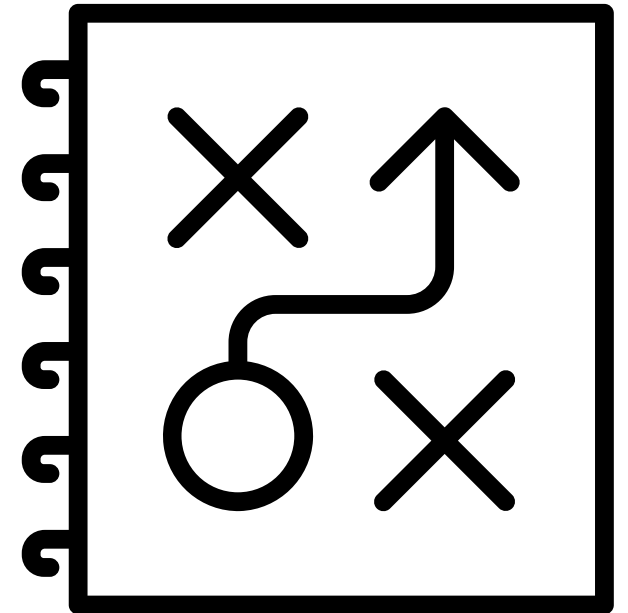
Gravity Forms by
reenhanced

Premium



Custom | Connectors:

- I. Build your API
- II. Secure your API
 - OAuth 2.0
- III. Describe the API and define the custom connector
- IV. Use your connector
 - Logic App, Power Automate, or Power Apps app
- V. Share your connector
- VI. Certify your connector



Define | Variables:

- Boolean
- Integer
- Float
- String
- Object
- Array

Append to array variable

[In App](#)



Append to string variable

[In App](#)



Decrement variable

[In App](#)



Increment variable

[In App](#)



Initialize variable

[In App](#)



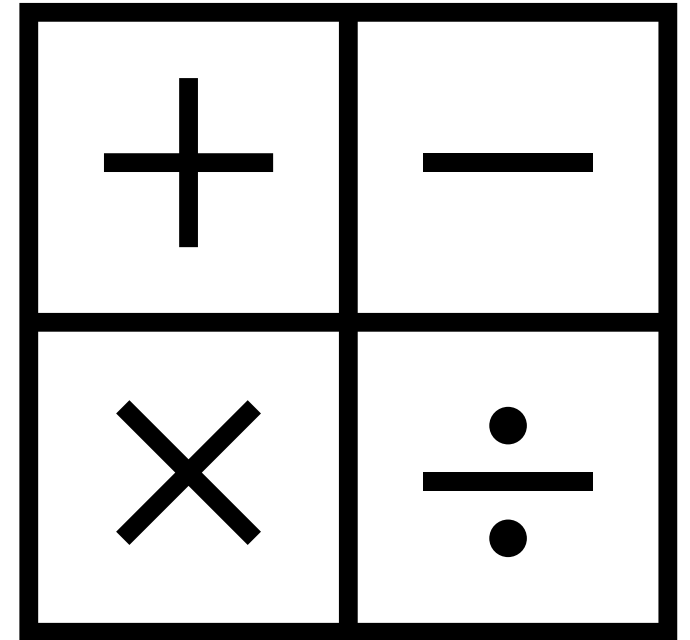
Set variable

[In App](#)



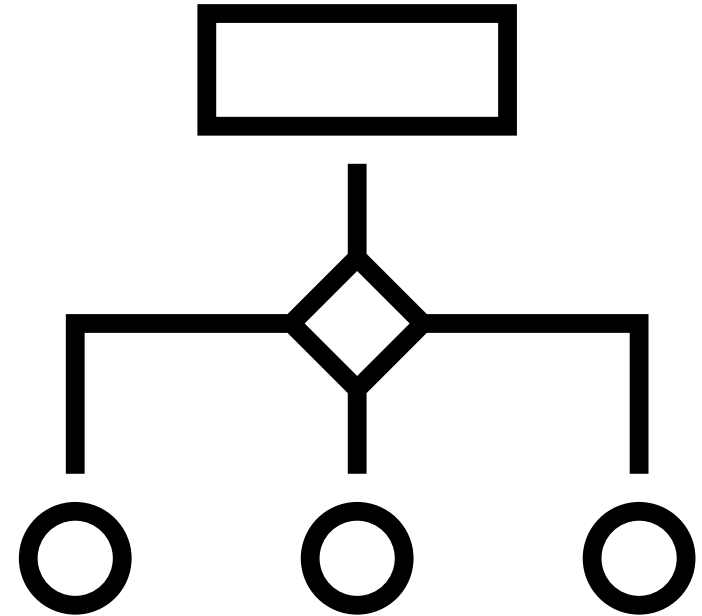
Define | Expressions:

- String
 - E.g., `concat()`, `substring()`, `trim()`, `replace()`
- Math
 - E.g., `min()`, `max()`, `add()`, `mul()`
- Collections
 - E.g., `contains()`, `sort()`, `first()`
- Date and time
 - E.g., `utcNow()`, `addDays()`, `dateDifference()`



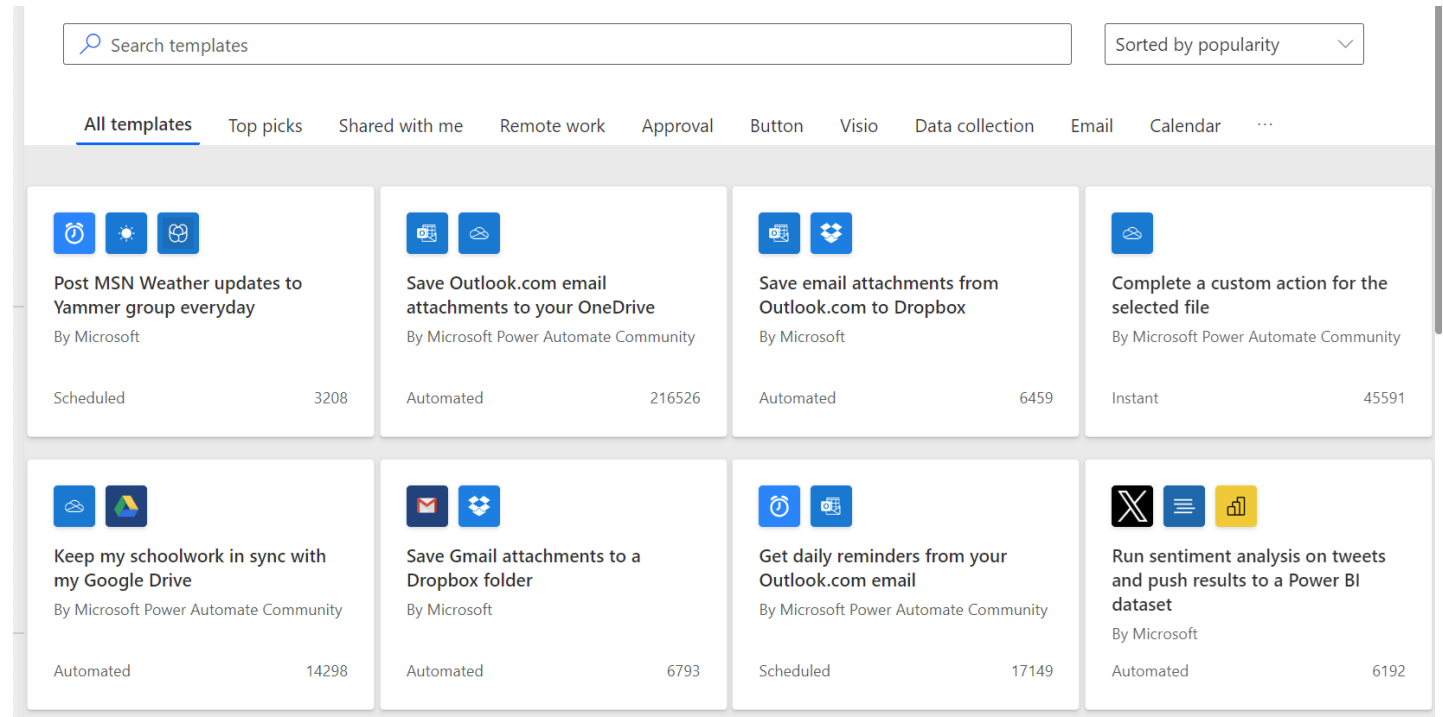
Define | Controls:

- Condition
 - E.g., If/ Then
- Apply to each
 - E.g., Foreach
- Do until
- Scope
 - E.g., logic block
- Switch
- Terminate



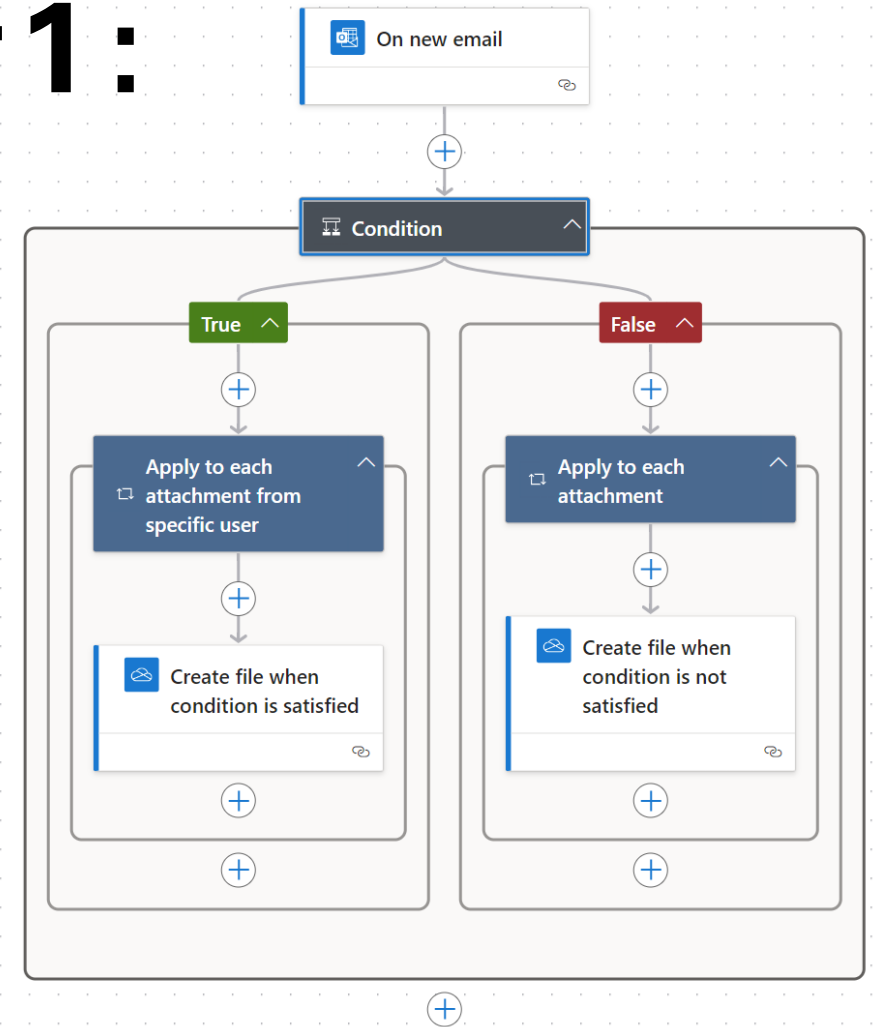
Bonus | Templates:

- Microsoft provided
- Community provided



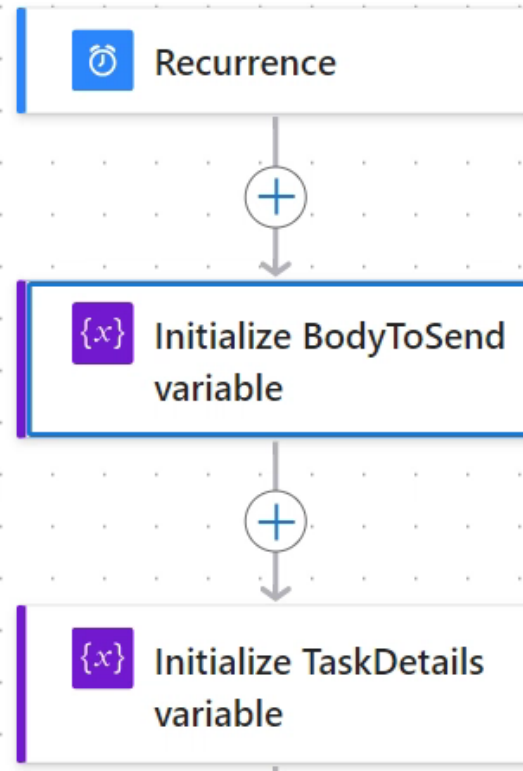
Example | Flow #1:

- Trigger
 - : Designated event - Email received
- Action(s)
 - : Create - Email attachments
- Control(s)
 - : Condition - Check sender
- Connector(s)
 - : Office 365 Outlook
 - : OneDrive



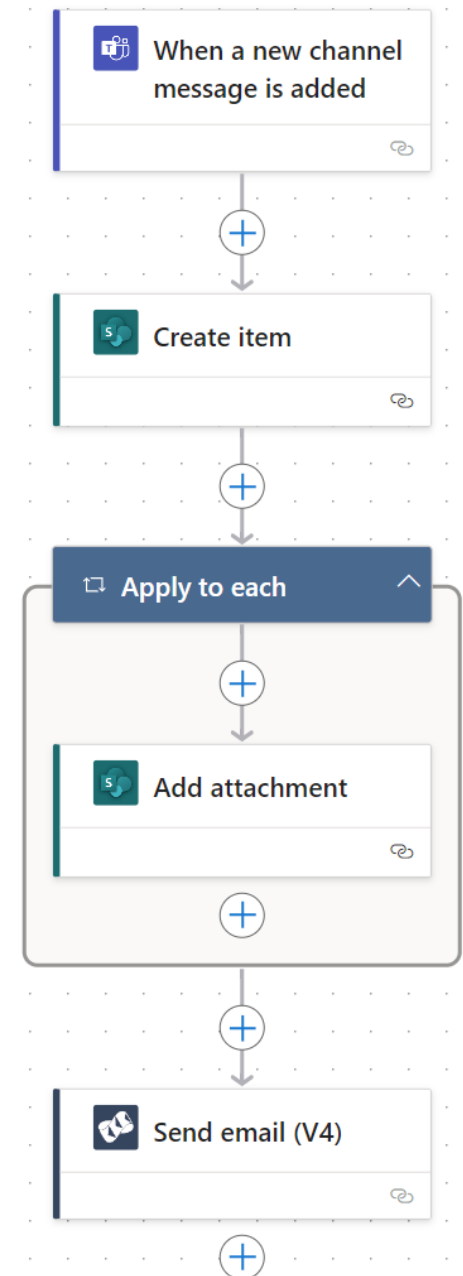
Example | Flow #2:

- Trigger
 - : Scheduled - Recurrence
- Action(s)
 - : Read – Task items
- Control(s)
 - : Apply to each
 - : Condition
- Connection(s)
 - : Office 365 Outlook
 - : Microsoft Planner



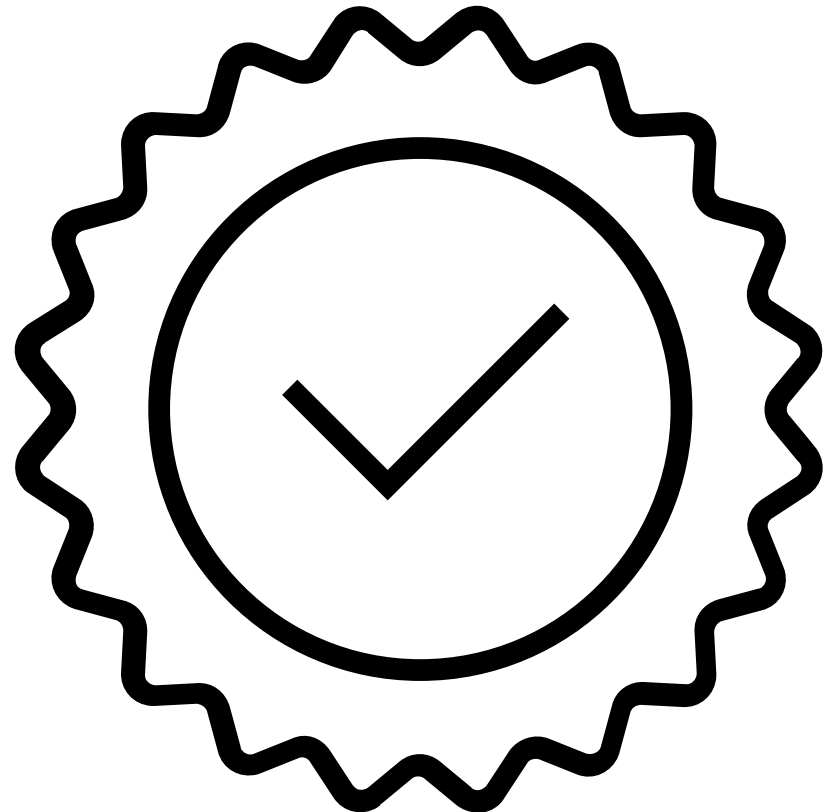
Example | Flow #3:

- Trigger
 - : Designated event - Message post
- Action(s)
 - : Create - List item
 - : Update - List item attachments
- Control(s)
 - : Apply to each
- Connector(s)
 - : Microsoft Teams
 - : SharePoint Online
 - : SendGrid



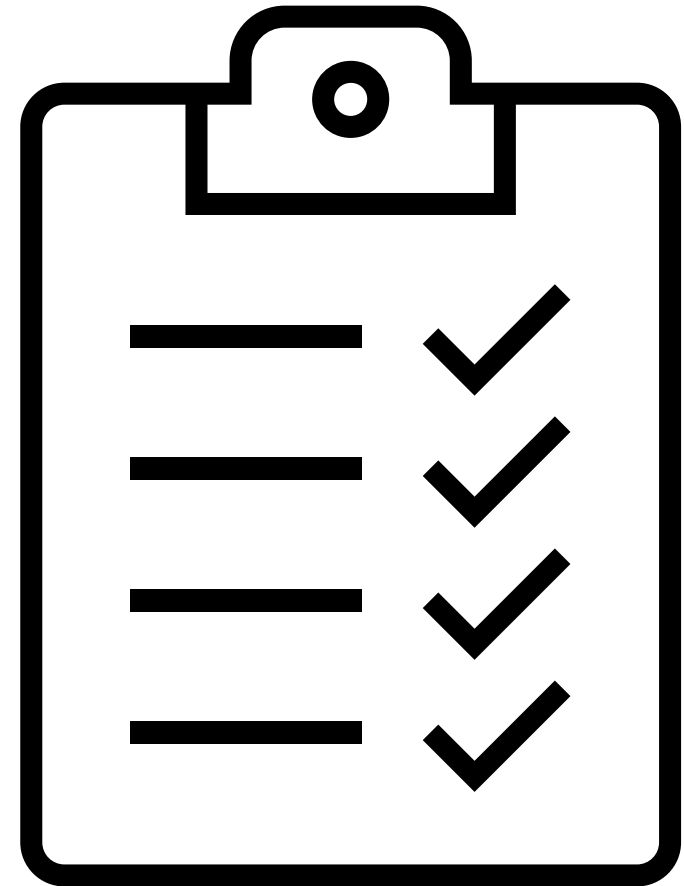
Bonus | Better Practices

- Be concise and descriptive.
 - : Flow Names
 - : Comments/ Notes
- Be intentional.
 - : Variables
 - : Actions
- Be efficient.
 - : Loops
- Be organized.
 - : Solutions

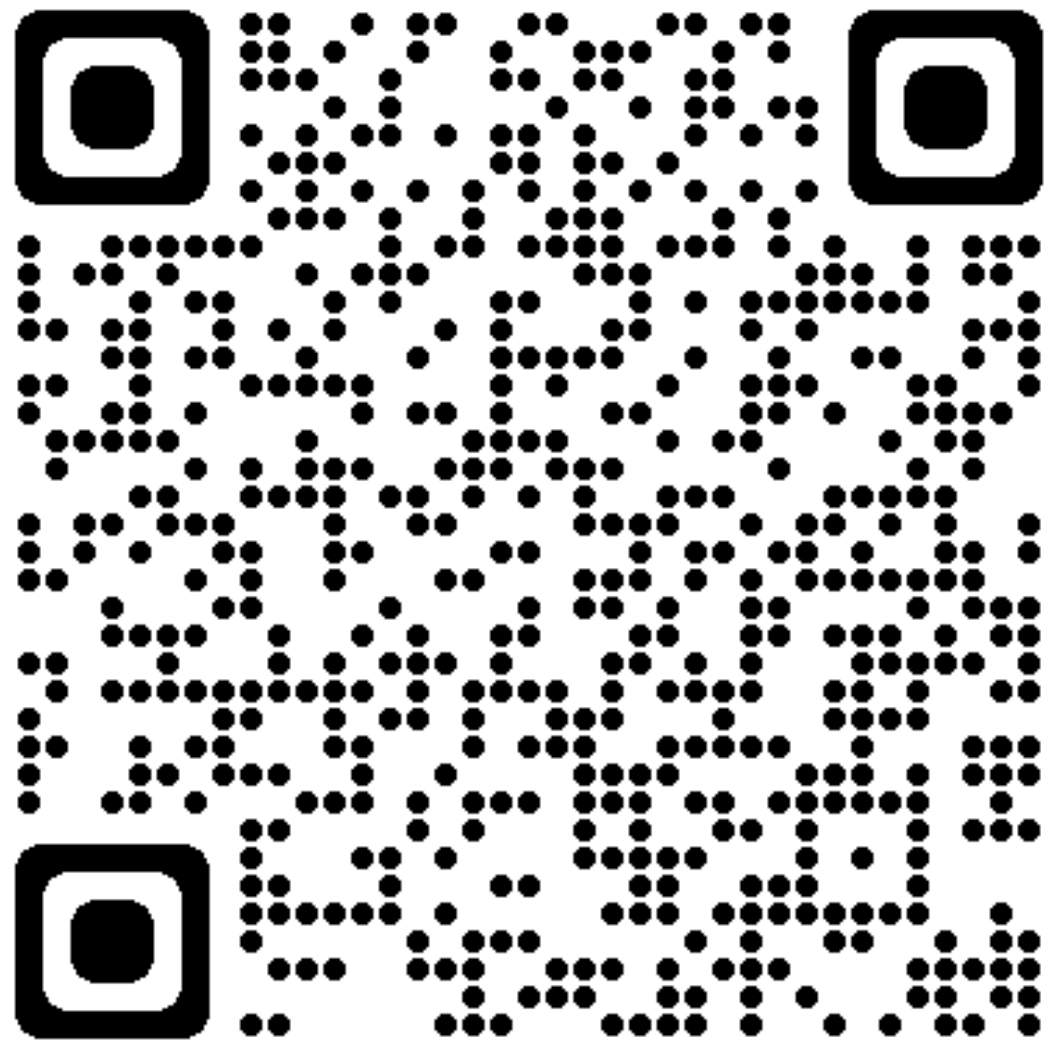


Recap

- Workflows are...
- Triggers are...
- Actions are...
- Connectors are...
- Variables are...
- Expressions are...
- Controls are...



Contact



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