



Global Microsoft 365 Developer Bootcamp

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The Future of the Web Parts

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Wi-Fi Code

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Currently I'm living life as a CTO at BindTuning.



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Agenda

Paradigm

Development

Deployment

Power Applications

Cognitive Services

Paradigm

A Paradigma Shift

– From server side to client side

- Farm Solutions [Full Trust Solutions]
- Sandbox Solution
- Client Side Solutions (C# Object Model, JSOM and REST API)
- SharePoint Add-In [Formally SharePoint Apps]

SharePoint Framework

– SPFx

- Client Side
- Fast, Lightweight and Responsive
- Run on User Context
- Works in Classic as well as Modern Pages
- Custom properties
- Deployment Mechanism
- Scalable
- Remote Development
- Local Workbench

SharePoint Framework

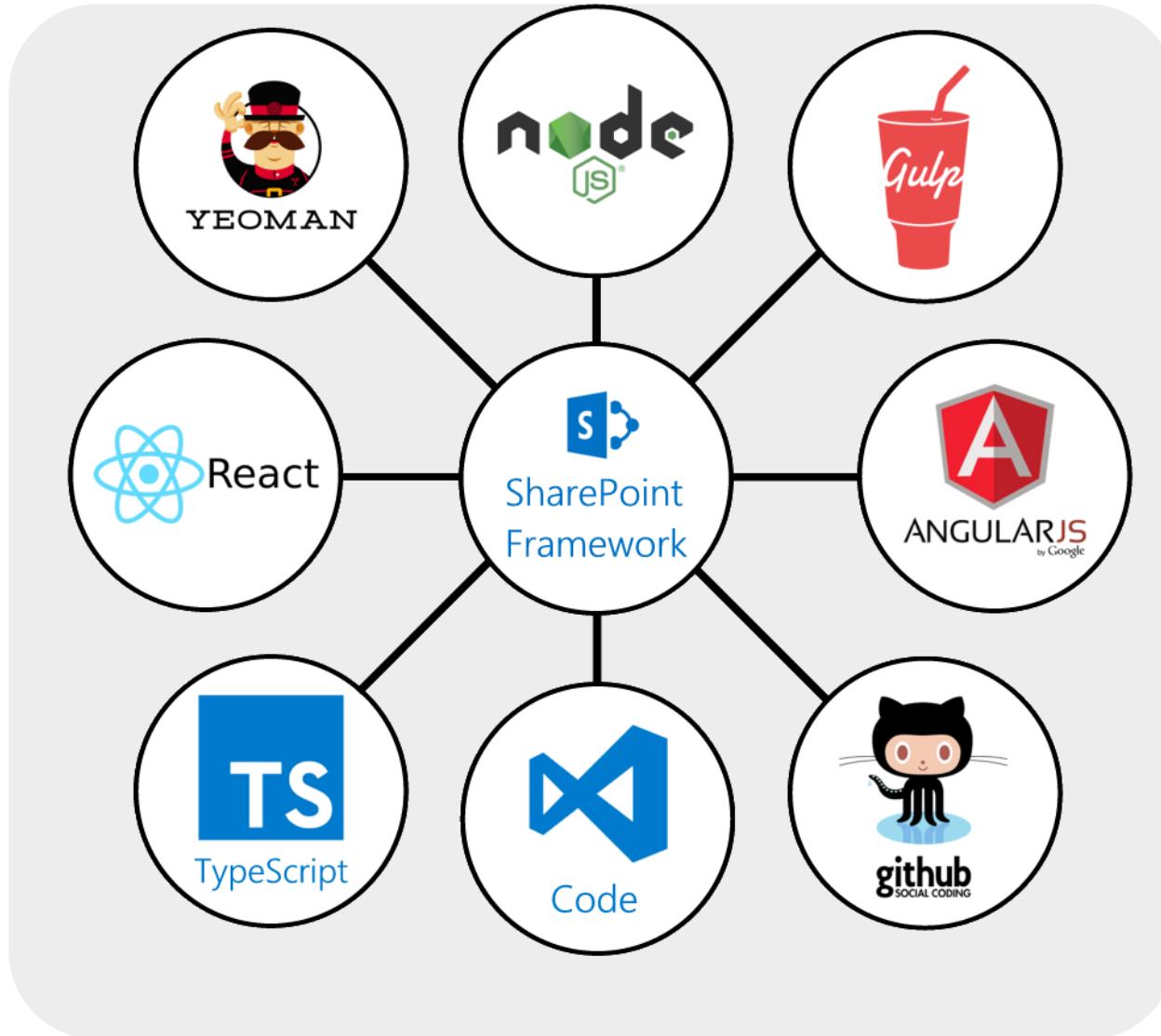
– SPFx

- Everything is client side
- New Environment

Development

SharePoint Framework

– Development



Deployment

SharePoint Framework

– Deployment

Azure DevOps



Azure Boards



Azure Repos



Azure Pipelines



Azure Test Plans



Azure Artifacts

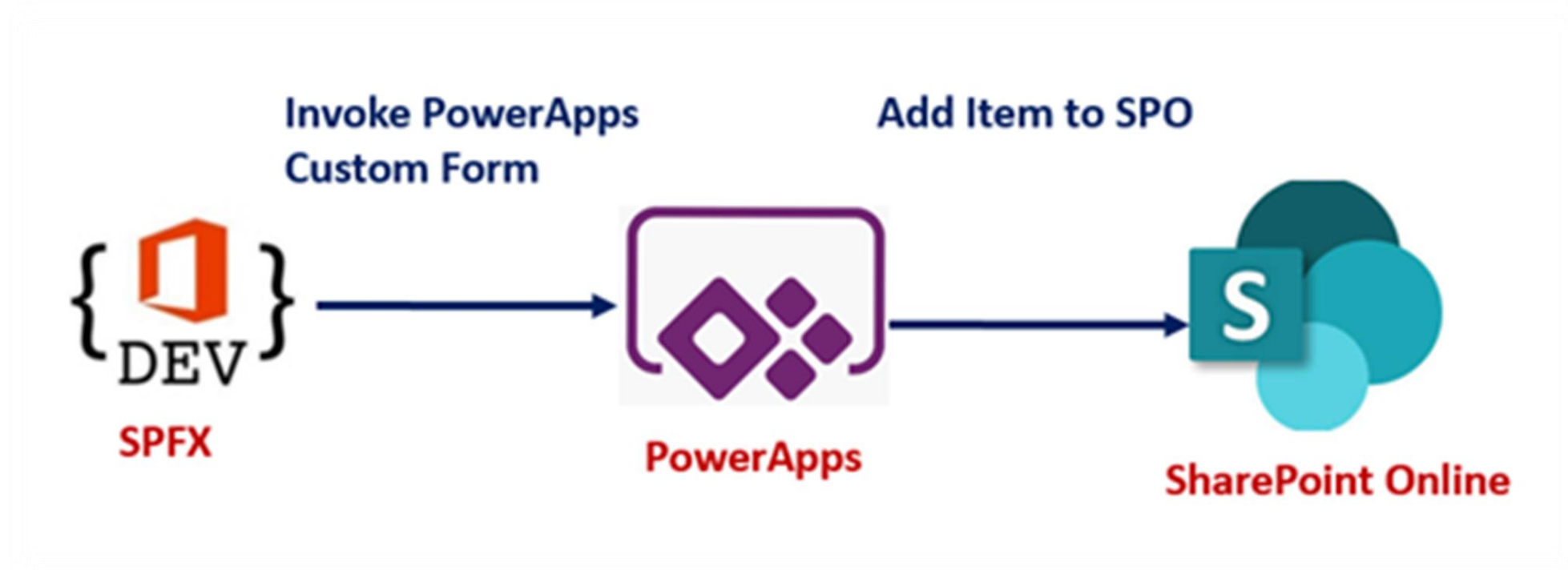
Demo time...

Upsss!

Power Applications

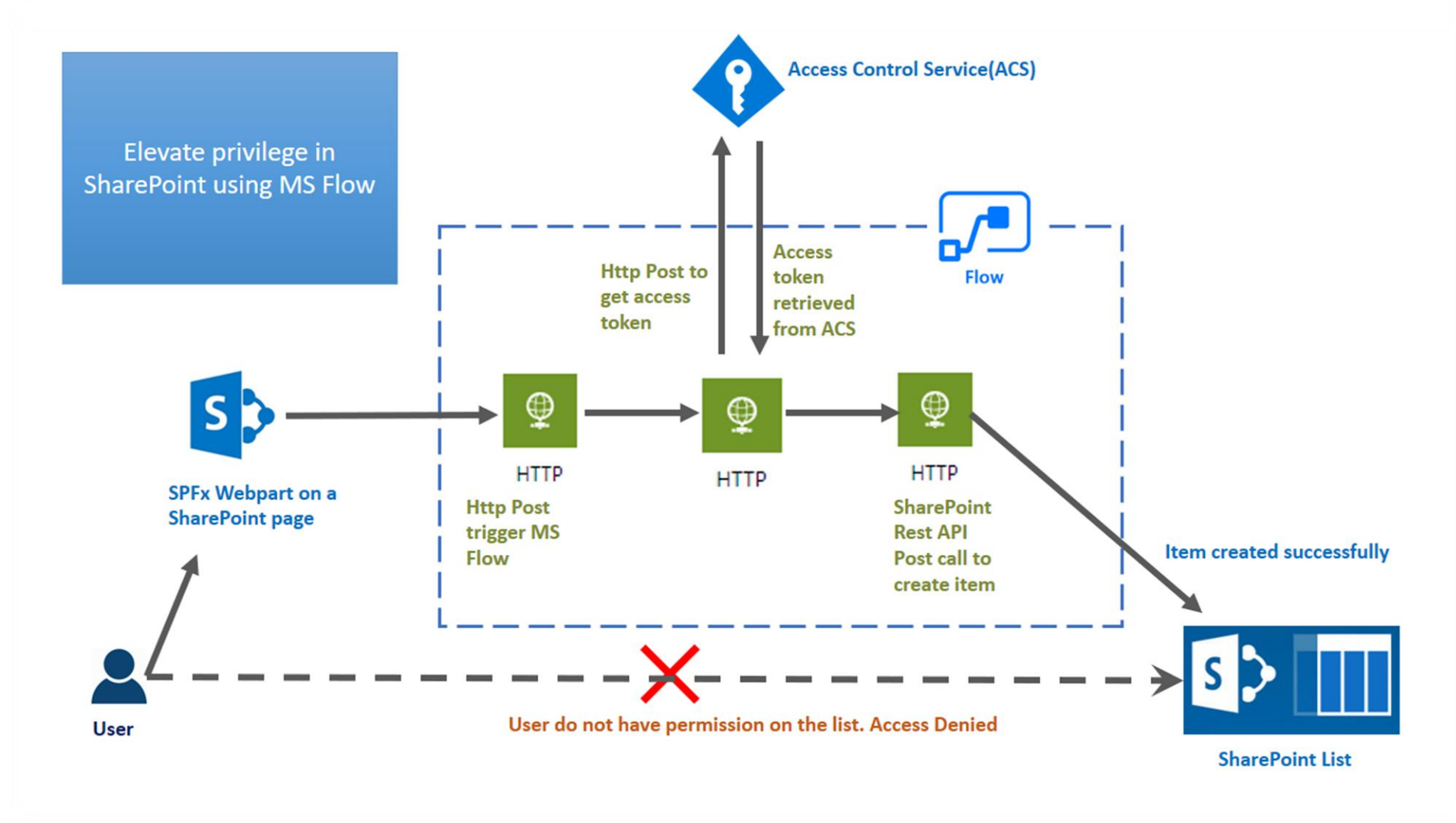
SharePoint Framework

– Power Applications



SharePoint Framework

– Power Applications



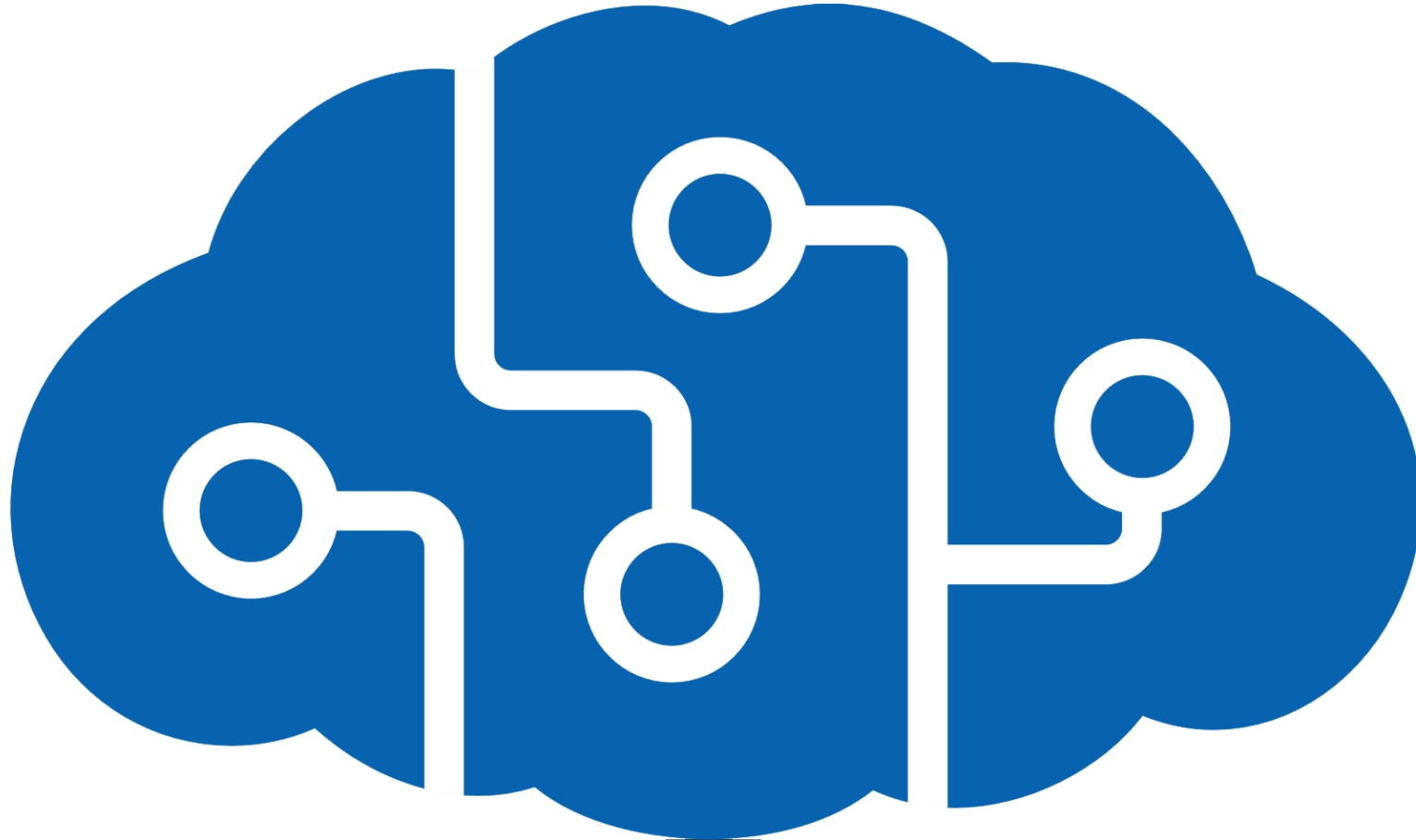
Demo time...

Upsss!

Cognitive Services

SharePoint Framework

– AI



SharePoint Framework

– AI



Vision

- Object, scene, and activity detection
- Face recognition and identification
- Celebrity and landmark recognition
- Emotion recognition
- Text and handwriting recognition (OCR)
- Video metadata, audio, and keyframe extraction and analysis
- Explicit or offensive content moderation
- Custom image recognition



Speech

- Speech transcription (Speech-to-text)
- Speech Synthesis (Text-to-speech)
- Real-time speech translation
- Speaker identification and verification
- Custom Speech models for transcription and translation
- Custom voice



Language

- Language detection
- Text sentiment analysis
- Key phrase extraction
- Entity recognition
- Spell checking
- Explicit or offensive text content moderation, PII detection
- Text translation
- Customizable text translation
- Contextual language understanding



Knowledge

- Q&A extraction from unstructured text
- Knowledge base creation from collections of Q&As
- Semantic matching for knowledge bases
- Customizable content personalization learning



Search

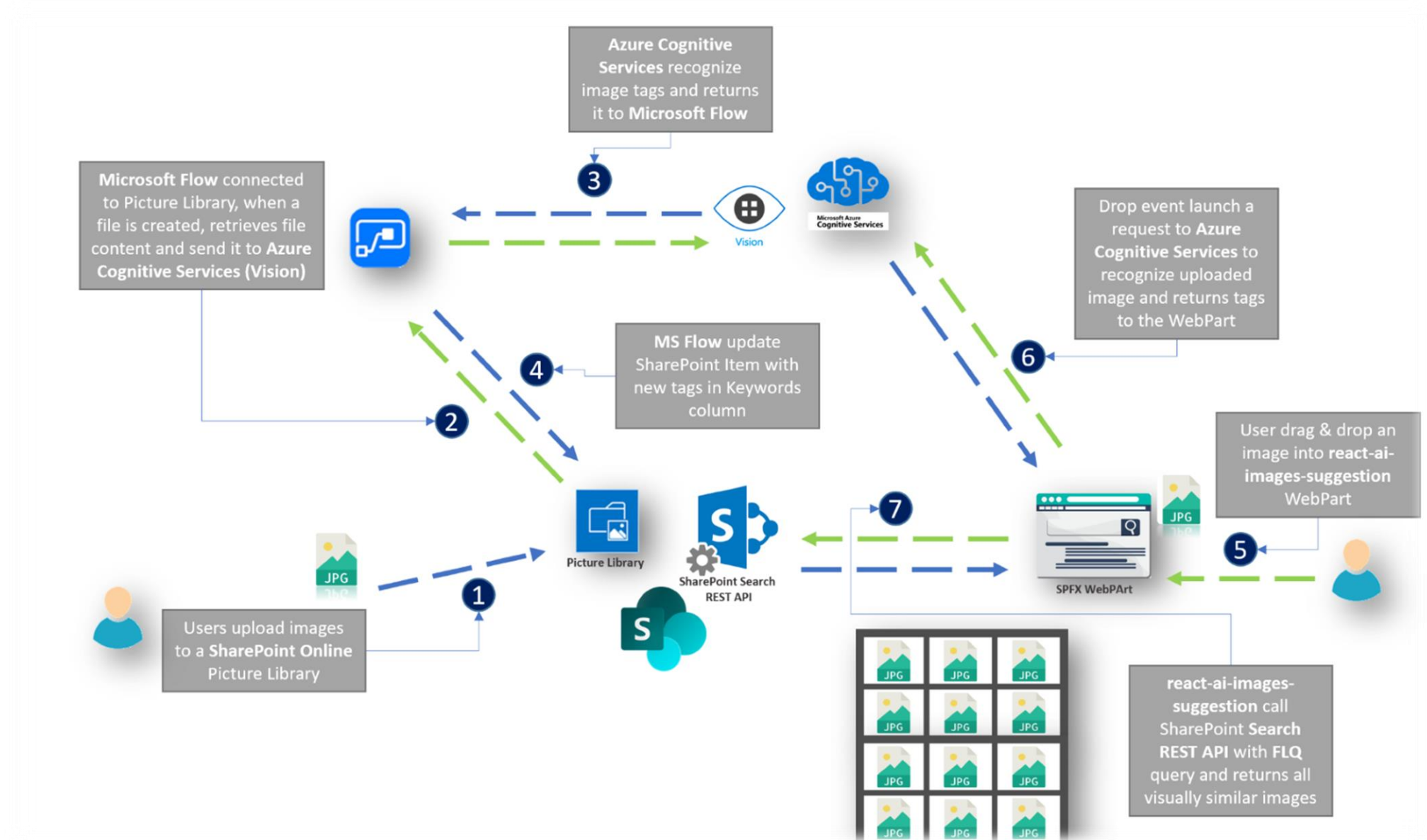
- Ad-free web, news, image, and video search results
- Trends for video, news
- Image identification, classification and knowledge extraction
- Identification of similar images and products
- Named entity recognition and classification
- Knowledge acquisition for named entities
- Search query autosuggest
- Ad-free custom search engine creation

Demo time...

Upsss!

SharePoint Framework

– AI



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Questions?



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