Concurrency

Building Your First Copilot Studio App

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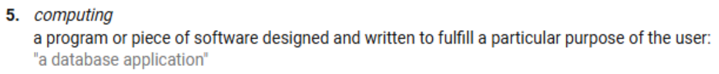
Application

[ˌapləˈkāSHən]



5. *computing*
a program or piece of software designed and written to fulfill a particular purpose of the user:
"a database application"

A traditional software application can be defined as a **self-contained program** designed to perform specific tasks on a local computing device, typically a desktop or laptop computer, without relying heavily on constant internet connectivity.

It generally adheres to a client-server or standalone architecture.

- User Interface (UI):
  - This is the visual and interactive layer through which the user interacts with the application.
  - It includes elements like windows, menus, buttons, text fields, and graphical displays.
  - Its purpose is to facilitate user input and display application output in a user-friendly manner.
- Application Logic (Business Logic):
  - This component contains the core functionality of the application.
  - It consists of the algorithms, rules, and procedures that process data and perform the intended tasks.
  - It handles data manipulation, calculations, and decision-making.
- Data Storage (Data Persistence):
  - Traditional applications often store data locally in files or databases.
  - This allows the application to save and retrieve information between sessions.
  - Examples include flat files, relational databases (like SQLite or Microsoft Access), or configuration files.
- Inputs:
  - User input through the UI (e.g., keyboard, mouse).
  - Files loaded from local storage.
  - Data from connected peripheral devices.
- Outputs:
  - Outputs can be displayed in various forms, including:
    - Visual displays on the UI.
    - Printed documents.
    - Saved files.
    - Data sent to peripheral devices.
- Configuration:
  - Many traditional applications have configuration files or settings that allow users to change the behavior of the program.

What is an Application?

Are these Applications?

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Application:

a **self-contained program** designed to perform specific tasks

Applications in 2035

Applications will be designed to meet humans where they are.

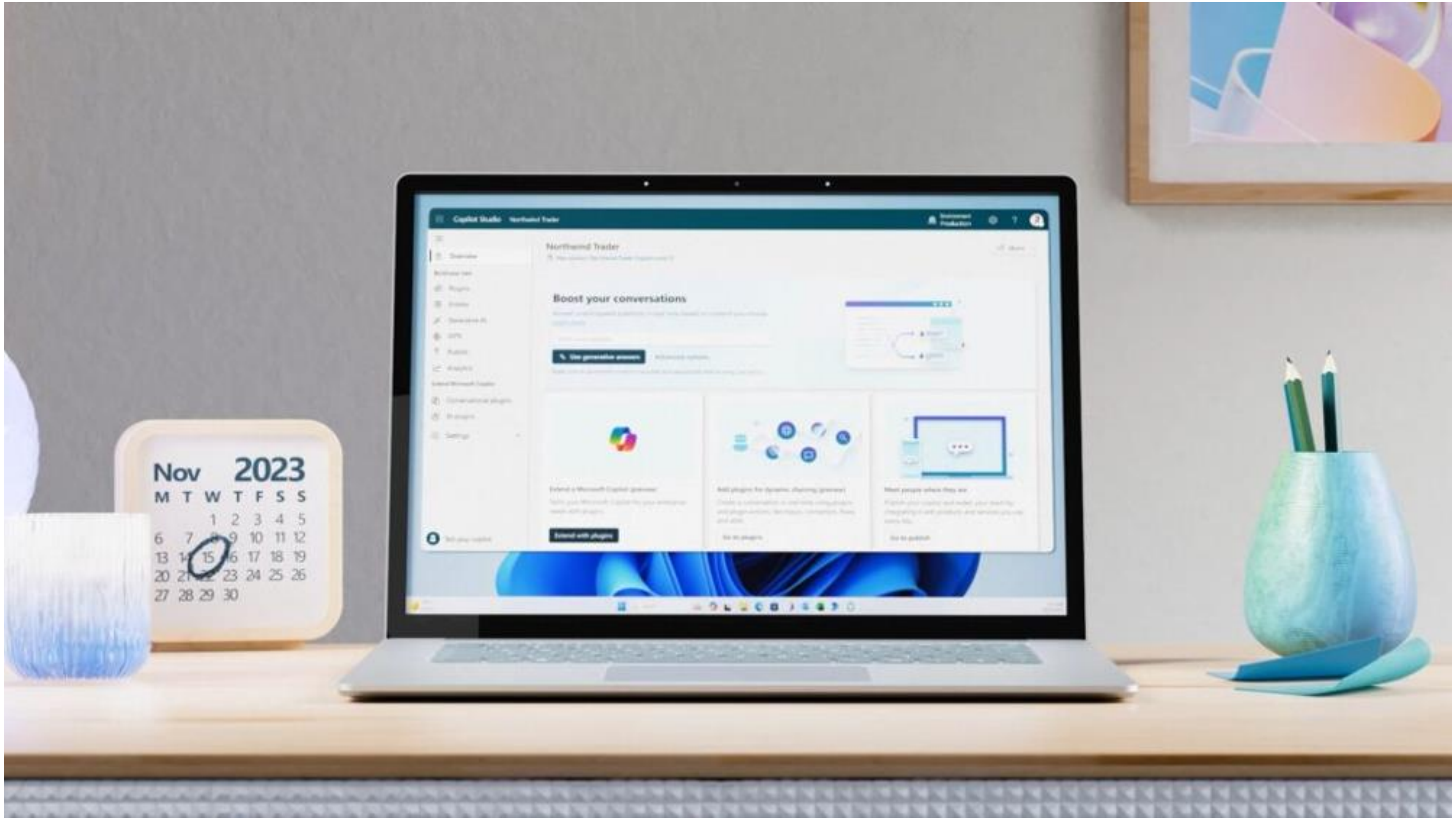
- Human Interactions
- Inputs
- Outputs
- Intelligence
- Actions

Applications In Copilot Studio

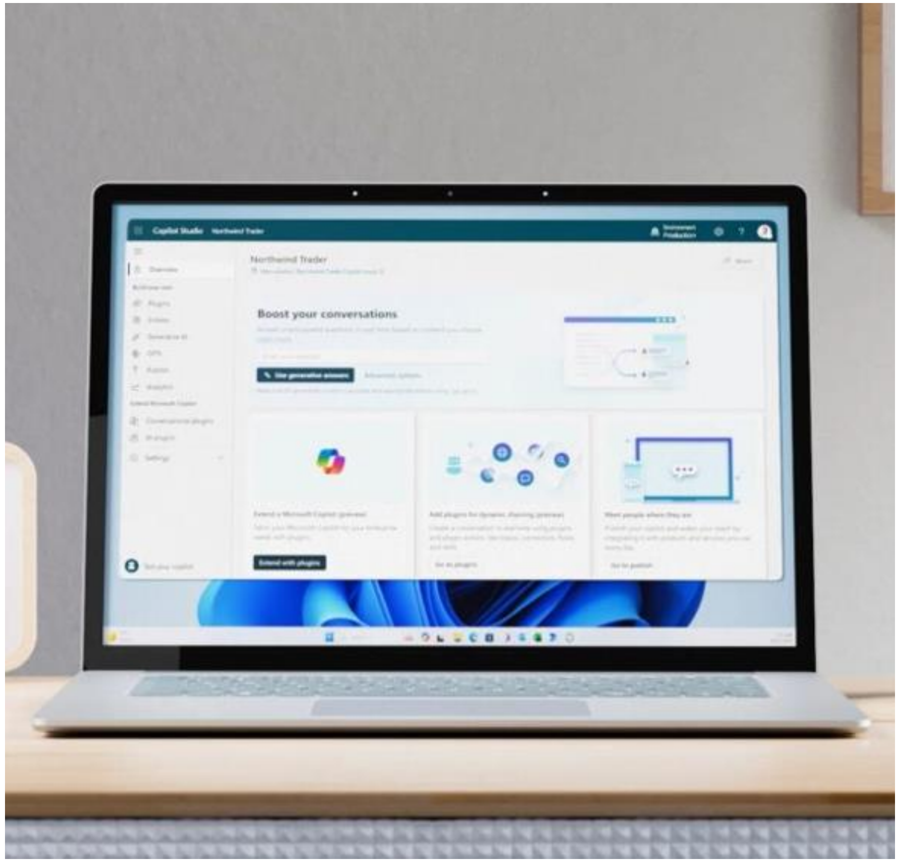
Meeting Humans Where They Are

- Human Interactions:
    - Natural, conversational interfaces (voice, chat, Teams, SMS)
- Inputs:
    - Accept inputs intuitively, from text and voice to images and data
- Outputs:
    - Responses tailored to context—real-time recommendations, visual charts, proactive alerts
- Intelligence:
    - Understand intent, context, and nuances behind requests
- Actions:
    - Seamlessly integrate with existing systems to execute tasks, automate workflows, or trigger real-world actions

Introducing Copilot Studio



Copilot Studio



- Multimodal, conversational experience
- Graphical, low-code environment
- Connect with various apps, workflows, and data sources
- Quickly develop intelligent agents

Scenarios

Predictive Maintenance

Analyze machine sensor data to predict equipment failures and recommend maintenance before downtime occurs. For example, an AI assistant monitors vibration/temperature readings and alerts staff when service is needed, thereby minimizing unplanned downtime.

Quality Control & Data Accessibility

Quickly sift through quality logs and production data. This helps identify defect trends or anomalies in real time, reducing scrap and costly recalls. Instead of manually pulling reports, a quality engineer could ask the copilot “Show me any quality issues from last shift,” and instantly get insights or charts.

Supply Chain & Procurement

Integrate with supply chain systems to improve visibility and responsiveness. For instance, an AI assistant could evaluate supplier performance or review contract terms to suggest optimal choices.

“Are any supplier deliveries running late?”

Real World Examples

- Training & Onboarding:
  - Replace dull manuals with interactive Q&A experiences that guide new hires step by step.
- Process Automation:
  - Streamline internal workflows (IT ticket triage, HR FAQs) via chat, reducing repetitive tasks.
- Data-Driven Engagement:
  - Turn data lookups into dynamic conversations—whether it's field service updates, customer support, or marketing campaigns.
- Scalable & Adaptable:
  - Just as a hunting strategy changes with the terrain, Copilot Studio apps can be tailored to any domain: finance, healthcare, manufacturing, and beyond.

Our Demo Scenario

An interactive treasure hunt—participants use a chat interface to find clues tied to specific locations.

It’s like tracking game through the woods, except our “footprints” are bits of data stored in Dataverse!

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Copilot Studio Components

- Dataverse for Clues:
  - Stores puzzle data and tracks which user is assigned each clue, much like a fishing log tracks which angler caught which fish.
- Chatbot Logic:
  - The “brain” that handles user inputs (location, guesses), provides hints, and updates clue status.
- Generative AI Hints:
  - Provides dynamic help when users get stuck—like a savvy hunting buddy whispering tips in your ear.
- Knowledge Sources:
  - Upload files or connect external sites (e.g., Wikipedia) for extra context or location info.

Interactive Demo

https://copilotstudio.microsoft.com/

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How we can help:

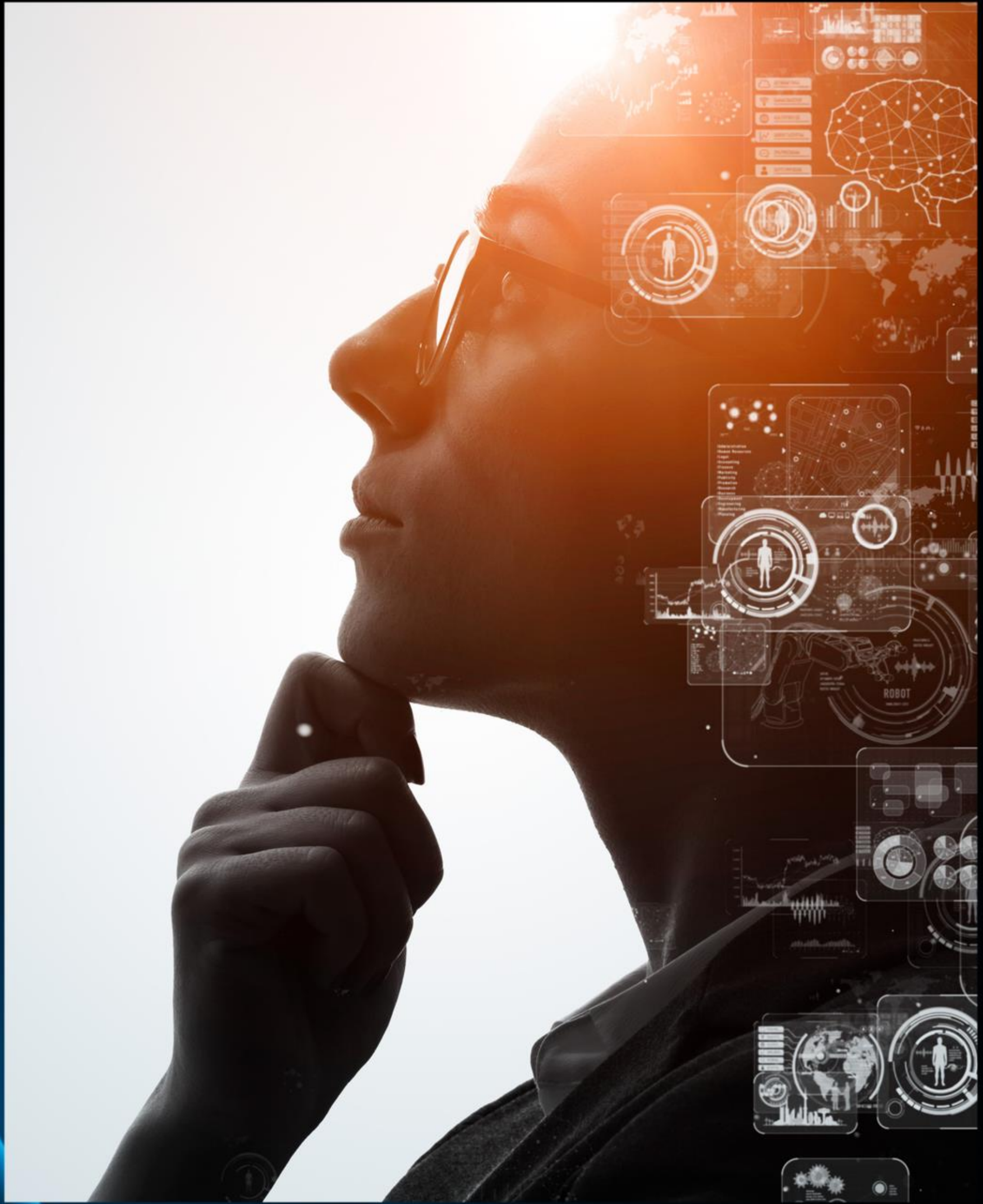
- **Secure AI for Everyone: Copilot Adoption and Momentum Assessment**

- **Anatomy of an Agent: Copilot Studio, Agent or Multi-Agent Discovery Session**

- **Executive AI Envisioning Session**

- **Bring the Event to You!** - We will present any topic/topics from our event at your organization.

Virtual AI Momentum Summit
2025



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Thank you!

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