BlindClicks.dev - My Opensource Project

Building EU-AI Act Compliant AI Agents for Legacy Systems

An open-source framework for building AI agents that comply with the EU AI Act and interact with computers like humans do—by clicking and typing through application interfaces, not just using APIs.

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Hi! 👋



My name is Aemal Sayer,

I am an AI Engineer

Specialized in Building AI Agents

For SMEs

AemalSayer.com

About Me!

Current Tech Stack

JavaScript (17 yrs)
TypeScript (8 yrs)
React.js (7 yrs)
React Native (3 yrs)
Node.js (8 yrs)
Python (3 yrs)
Voice AI (7 yrs)
LLM Applications (1 yr)
LangChain (1 yr)
RAG (1 yr)
Vector DBs (1 yr)
Solidity (<1 yr)
Rust (<1 yr)

Languages:



Management

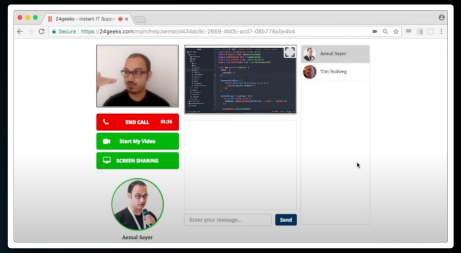
LeanStartup, Entrepreneurship, Startups, TeamLead, Team Motivation, Scrum Master, Project Management, Business Development, Strategic Planning, Financial Accounting, Inventory Management, Financial Projection, Contract Management, Recruitment, Content Marketing, Digital Marketing, Sales, Staff Evaluation

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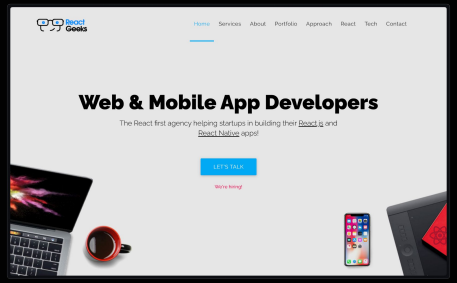
Past 9 Years!

Entrepreneur | Freelancing | Agency | SaaS Founder | AI Agents

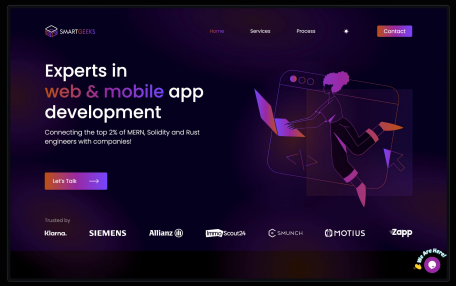
2016: 24Geeks.com (no website)



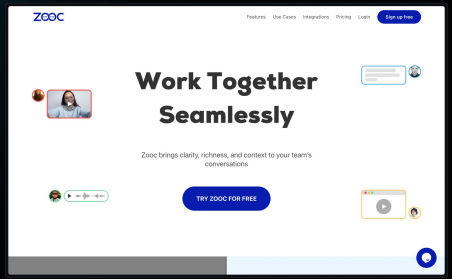
2017: ReactGeeks.com



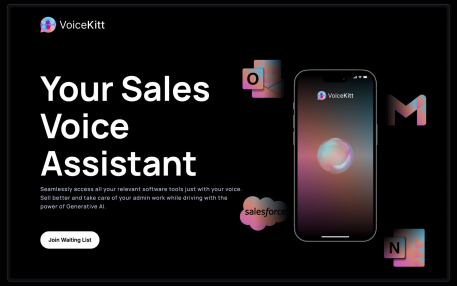
2021: SmartGeeks.io



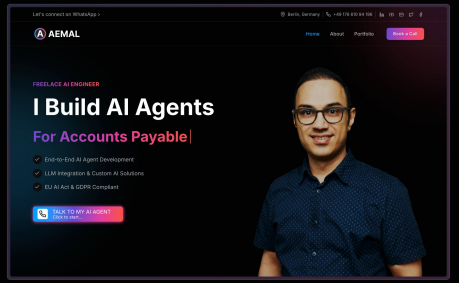
2019: zooc.io



2023: VoiceKitt.com

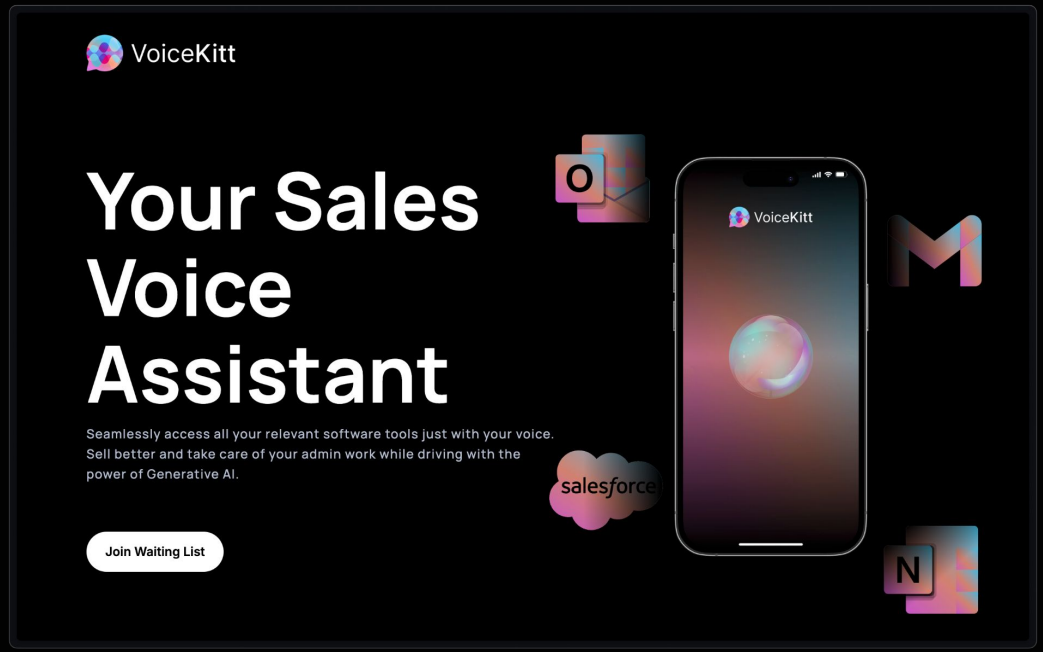


2025: AemalSayer.com



Past 9 Years!

Entrepreneur | Freelancing | Agency | SaaS Founder | AI Agents



Clients

Trusted by Leading SMEs and Scaleups

Working closely with industry pioneers like Klarna, Siemens, Allianz, and others, I have delivered transformative AI solutions that optimize operations and drive measurable results for SMEs and scaleups across various industries.



I build

AI Agents

Without APIs!

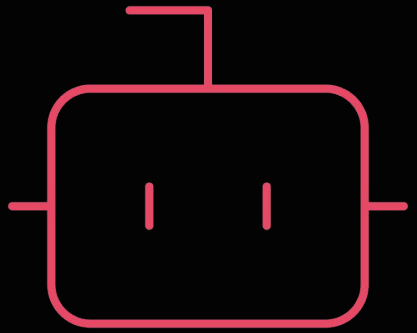


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What is an AI Agent?

AI agents are programs that learn and make decisions to do tasks on their own.

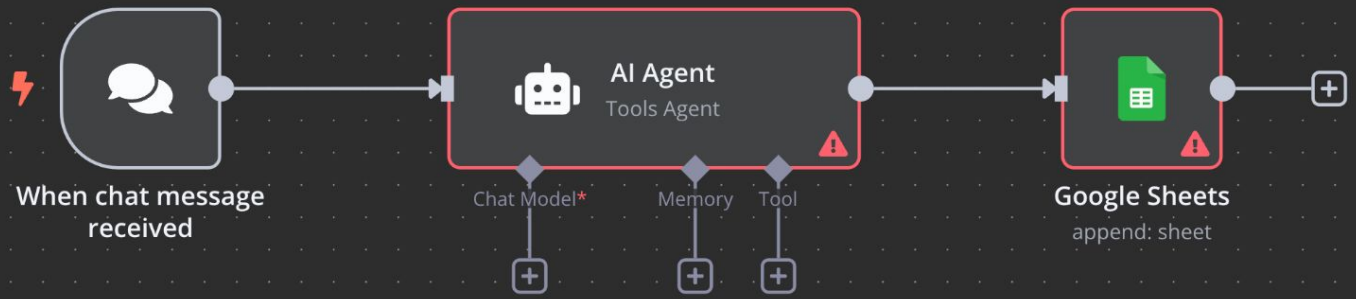
In simple terms, **AI agents are programs** that watch, think, and act on their own to **complete tasks** or solve problems. For SMEs, they can automate tedious processes, predict risks, and unlock hidden opportunities to help your business grow faster.

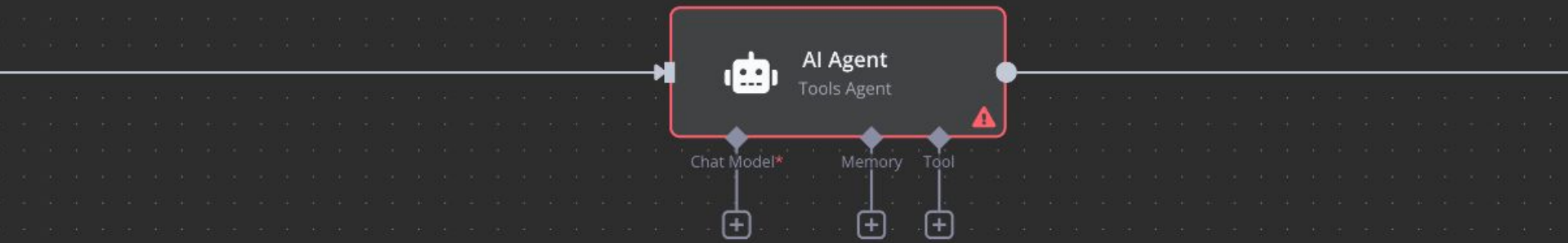


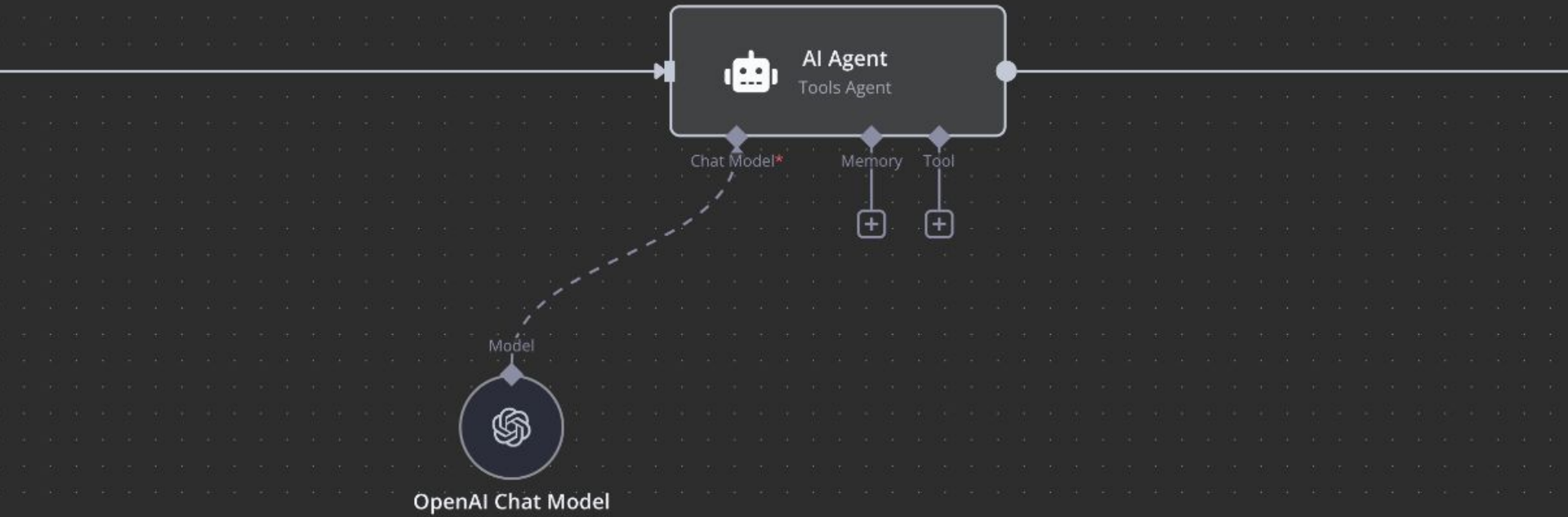
Input

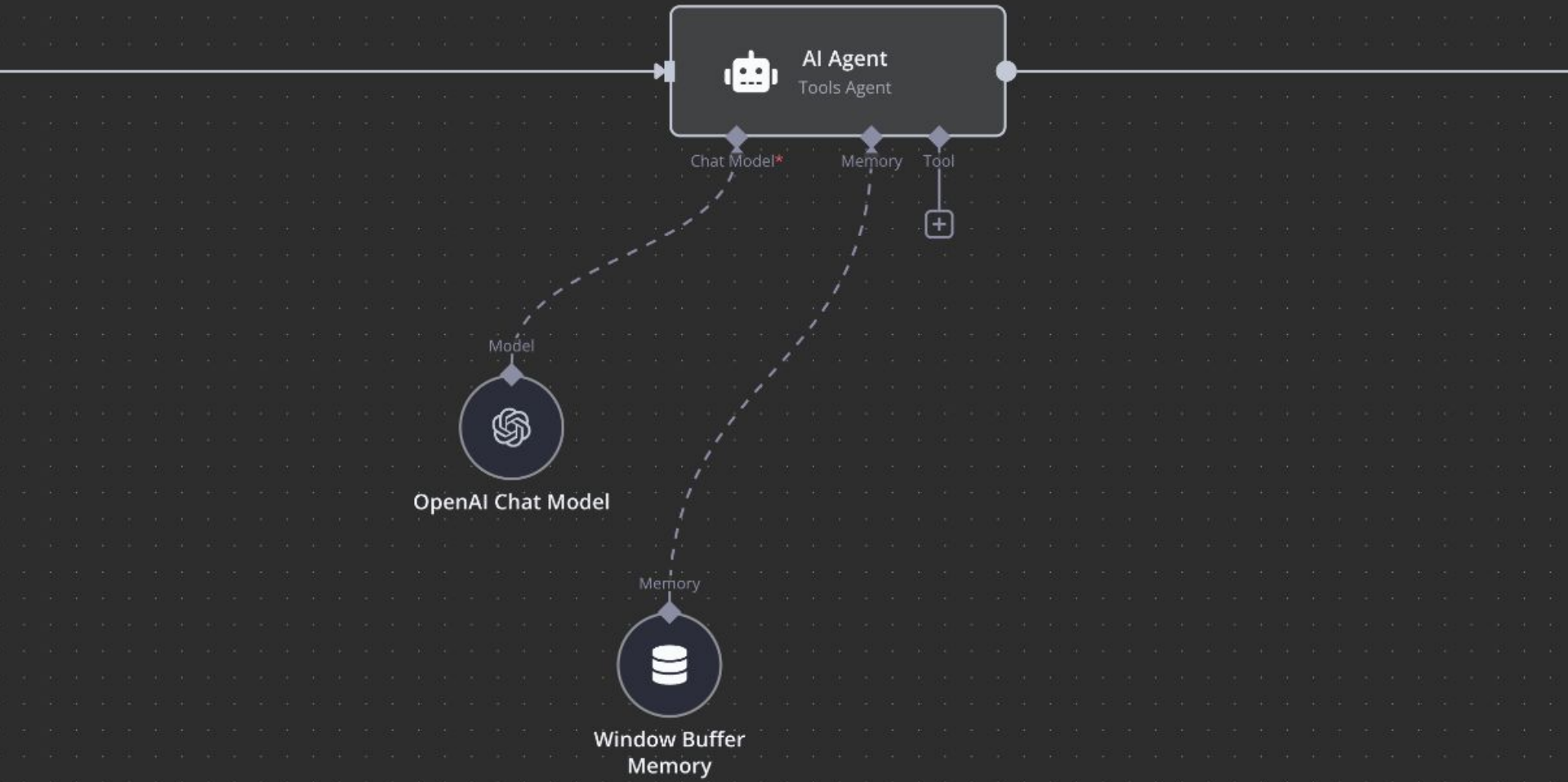
Process

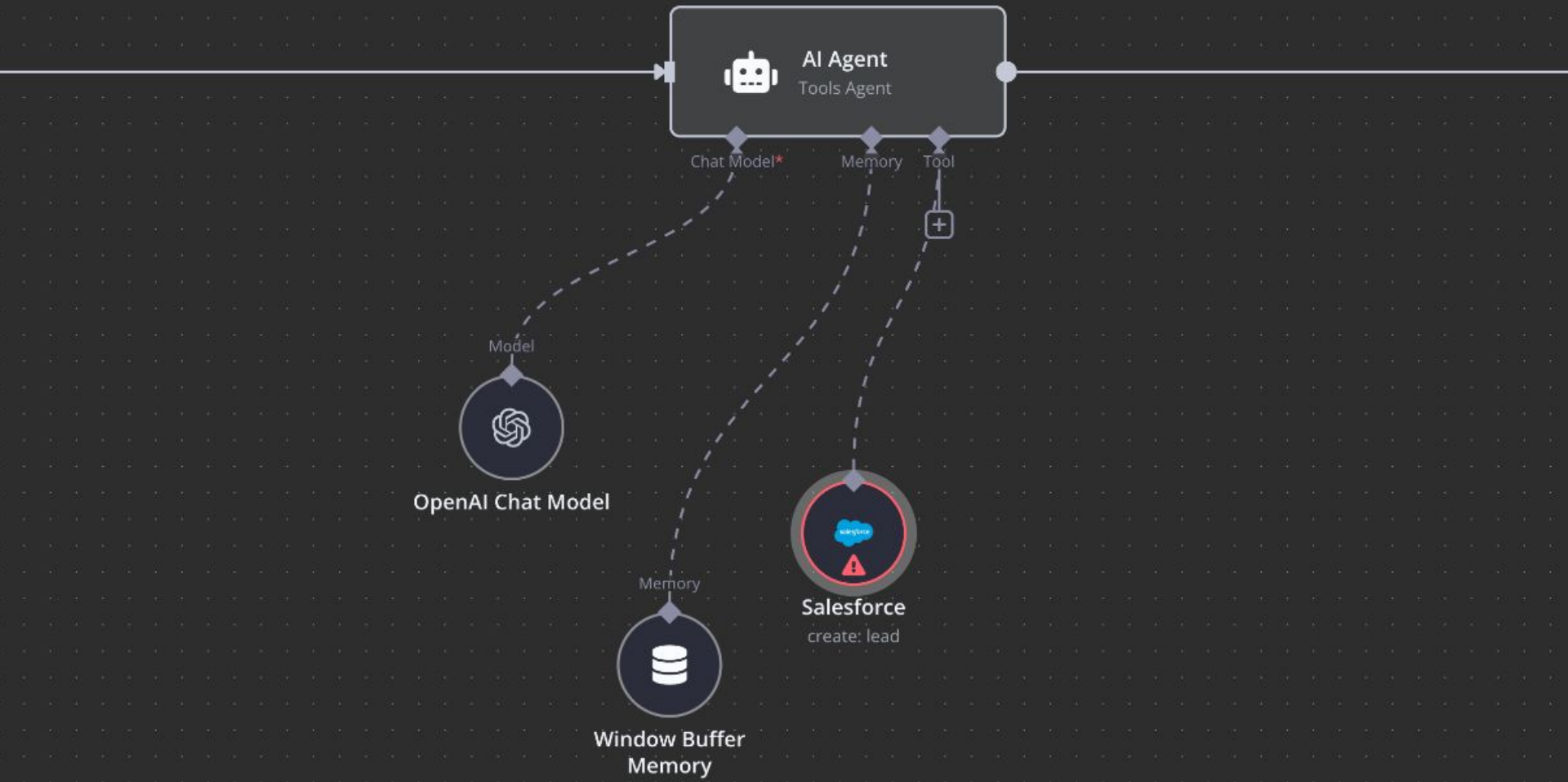
Output

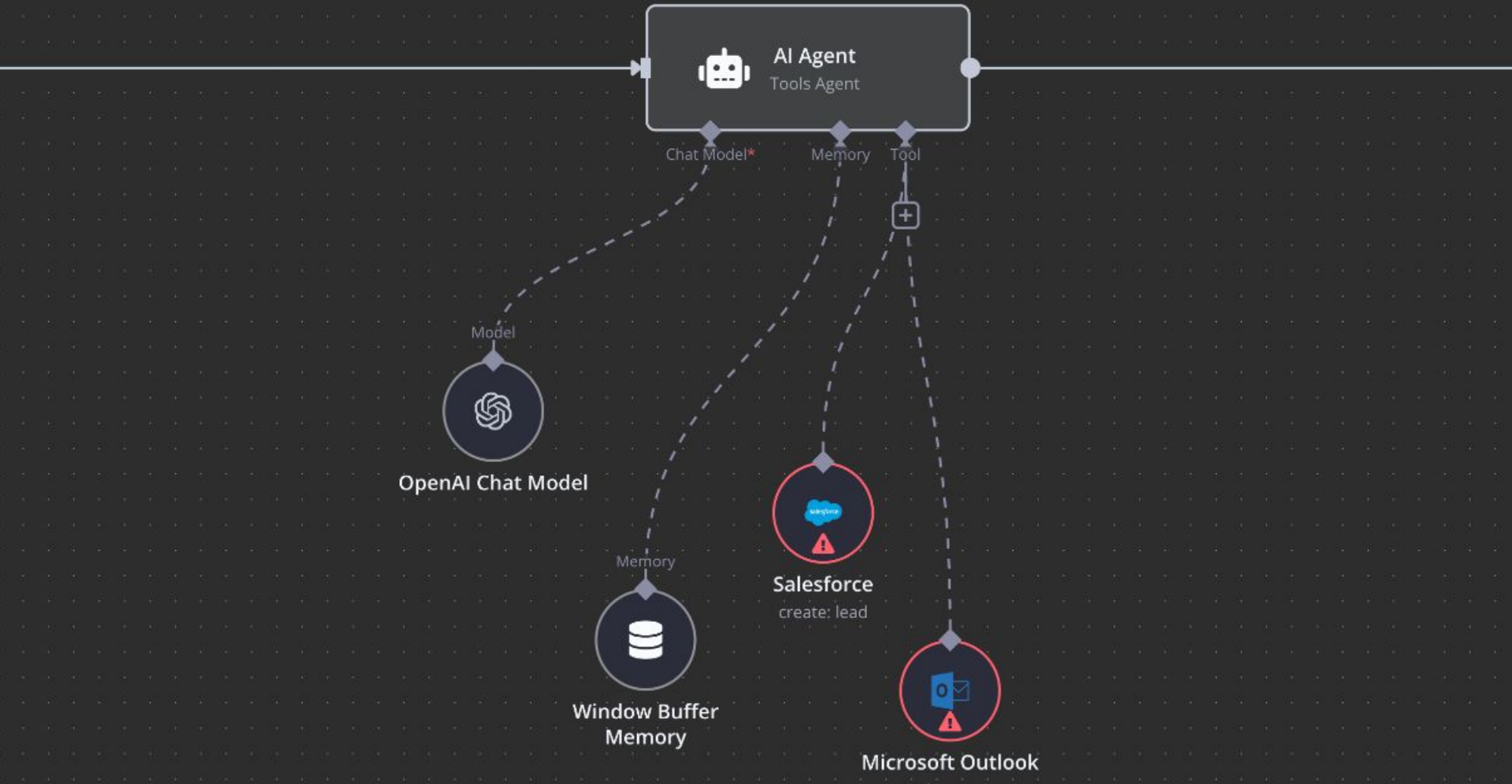


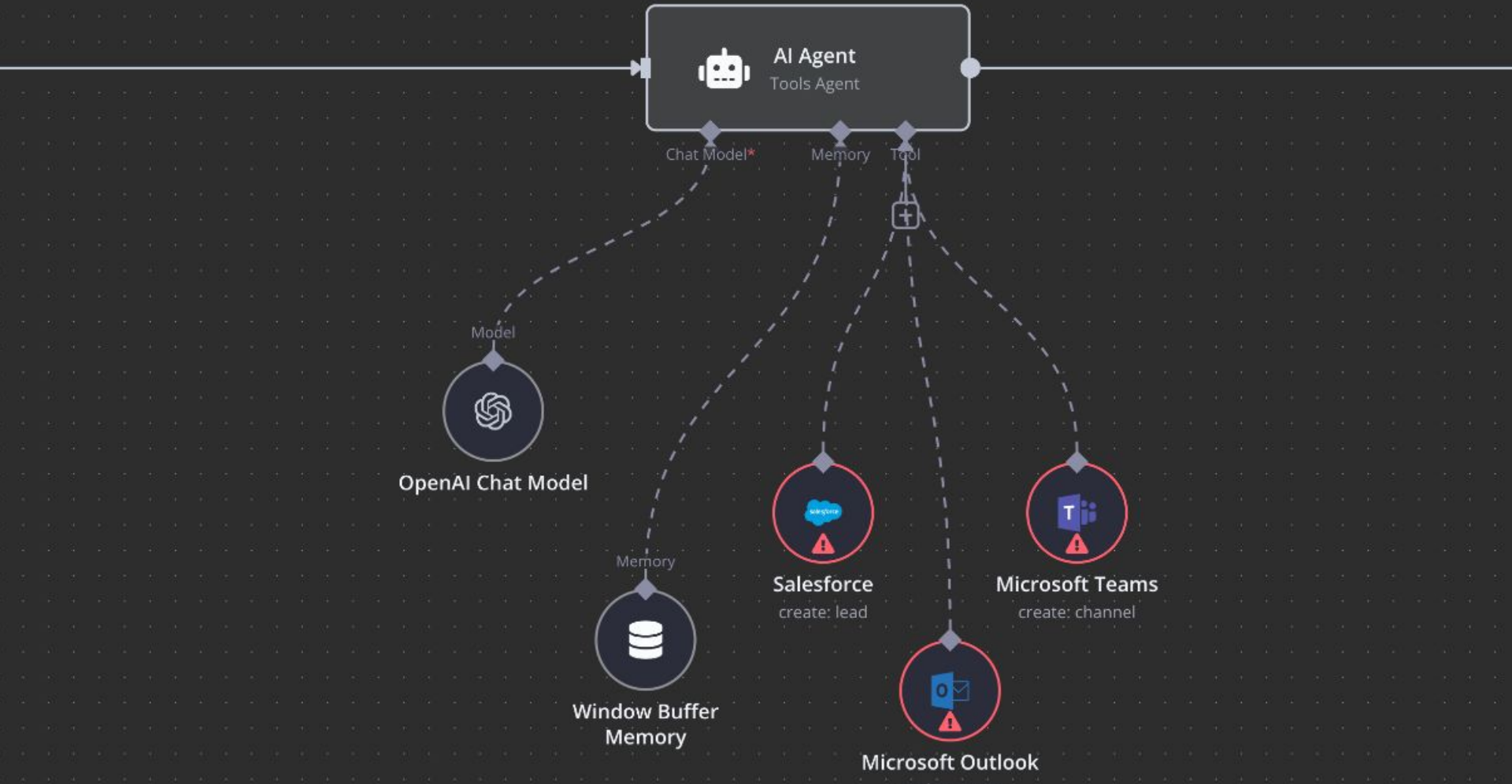

AI Agent
Tools Agent
Chat Model*
Memory
Tool


AI Agent
Tools Agent
Chat Model*
Memory
Tool
Model
OpenAI Chat Model


AI Agent
Tools Agent
Chat Model*
Memory
Tool
Model
OpenAI Chat Model
Memory
Window Buffer Memory


AI Agent
Tools Agent
Chat Model*
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Tool
Model
OpenAI Chat Model
Memory
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Salesforce
create: lead


AI Agent
Tools Agent
Chat Model*
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OpenAI Chat Model
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Window Buffer Memory
Salesforce
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Microsoft Outlook


AI Agent
Tools Agent
Chat Model*
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Model
OpenAI Chat Model
Memory
Window Buffer Memory
Salesforce
create: lead
Microsoft Teams
create: channel
Microsoft Outlook

An AI agent is like a digital co-worker that learns, reasons, and performs tasks on your behalf.

AI Agent Examples

AI-Powered Real-Time Invoice Reconciliation

What could it do: Instantly scan and match incoming invoices against purchase orders, delivery records, and payments, flagging any mismatches automatically.

Why it's amazing: Could eliminate manual reconciliation errors, speed up payment processing, and reduce fraud or overpayments by catching issues in real time.



Invoice

AI Agent Examples

Dynamic Cash Flow Predictor

What could it do: Monitor daily transactions, accounts receivable/payable, and expenses to provide accurate cash flow forecasts and early warning alerts when cash shortages are likely.

Why it’s amazing: Could help SMEs avoid cash flow crises and plan investments confidently by predicting risks before they happen.



Cash Flow

AI Agent Examples

Automated Tax Compliance Auditor

What could it do: Review financial transactions, expense claims, and invoices to ensure tax deductions and filings follow government regulations, highlighting non-compliant entries.

Why it's amazing: Could reduce the risk of tax penalties or audits by keeping your books tax-ready all year, not just at year-end.



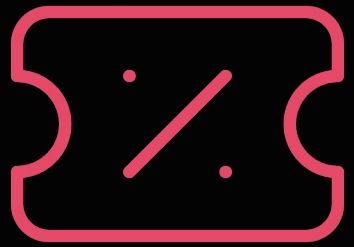
Tax Compliance

AI Agent Examples

Intelligent Supplier Payment Optimizer

What could it do: Analyze supplier contracts, payment terms, and discounts to automatically prioritize payments in a way that maximizes early payment discounts and optimizes working capital.

Why it’s amazing: Could turn supplier relationships into a strategic advantage by unlocking hidden savings.



Discount

AI Agent Examples

Smart Accounts Receivable Collector

What could it do: Track outstanding invoices, predict the likelihood of late payments using customer payment history, and automatically follow up with personalized reminders or offers early payment discounts.

Why it's amazing: Could drastically improve cash flow by reducing late payments and freeing up your team from manual chasing.

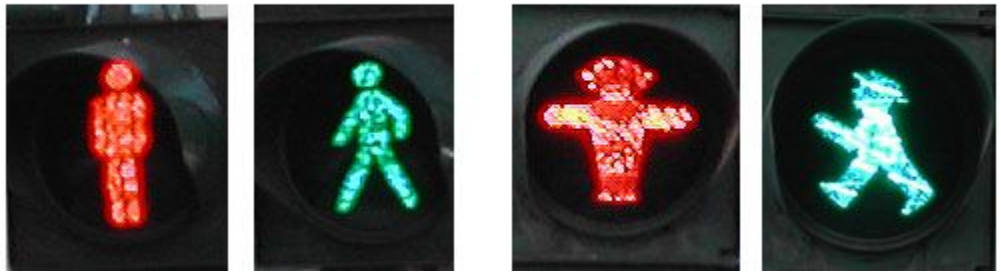


Phone Calls

What is EU AI Act?

Disclaimer:

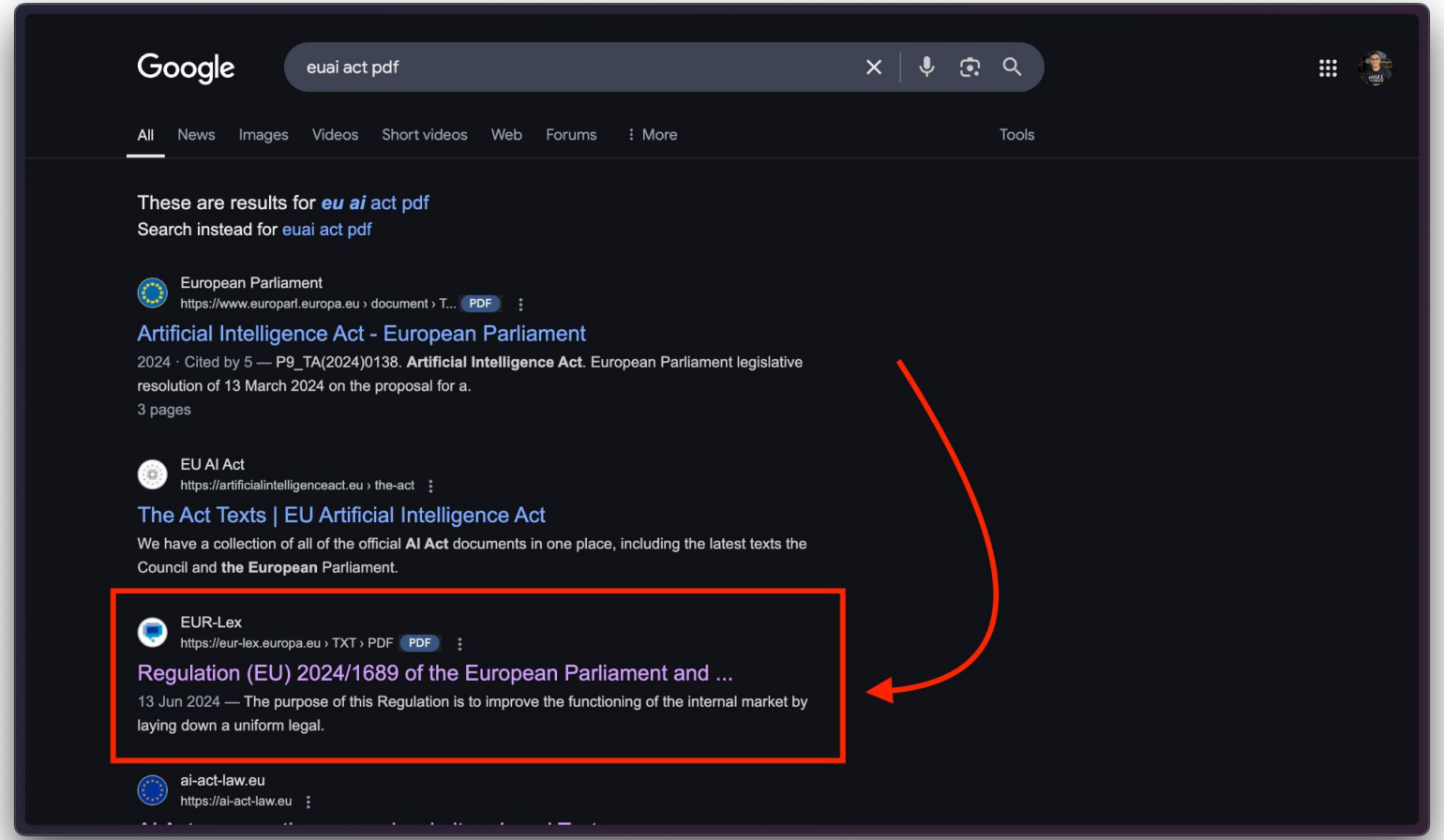
This presentation is for informational purposes only and does not constitute legal advice. I am not a lawyer, and the information shared here should not be relied upon for compliance or regulatory decisions. For legal guidance on the EU AI Act or any AI-related regulations, please consult a qualified legal professional or regulatory expert.



My 50 European Values

1. Human Dignity
2. Freedom
3. Democracy
4. Equality
5. Rule of Law
6. Human Rights




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Images
Videos
Short videos
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Forums
More
Tools
These are results for eu ai act pdf
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Artificial Intelligence Act - European Parliament
2024 · Cited by 5 — P9_TA(2024)0138. Artificial Intelligence Act. European Parliament legislative resolution of 13 March 2024 on the proposal for a.
3 pages
EU AI Act
https://artificialintelligenceact.eu › the-act
The Act Texts | EU Artificial Intelligence Act
We have a collection of all of the official AI Act documents in one place, including the latest texts the Council and the European Parliament.
EUR-Lex
https://eur-lex.europa.eu › TXT › PDF PDF
Regulation (EU) 2024/1689 of the European Parliament and ...
13 Jun 2024 — The purpose of this Regulation is to improve the functioning of the internal market by laying down a uniform legal.
ai-act-law.eu
https://ai-act-law.eu

resolution of 13 March 2024 on the proposal for a.

3 pages

EU AI Act

https://artificialintelligenceact.eu › the-act

The Act Texts | EU Artificial Intelligence Act

We have a collection of all of the official **AI Act** documents in one place, including the latest texts the Council and **the European** Parliament.

EUR-Lex

https://eur-lex.europa.eu › TXT › PDF PDF

Regulation (EU) 2024/1689 of the European Parliament and ...

13 Jun 2024 — The purpose of this Regulation is to improve the functioning of the internal market by laying down a uniform legal.

ai-act-law.eu

https://ai-act-law.eu

EU AI Act Risk Levels



Unacceptable Risk

Highest level of risk prohibited in the EU. Includes AI systems using e.g. subliminal manipulation or general social scoring.

High Risk

Most regulated AI systems, as these have the potential to cause significant harm if they fail or are misused, e.g. if used in law enforcement or recruiting.

Limited Risk

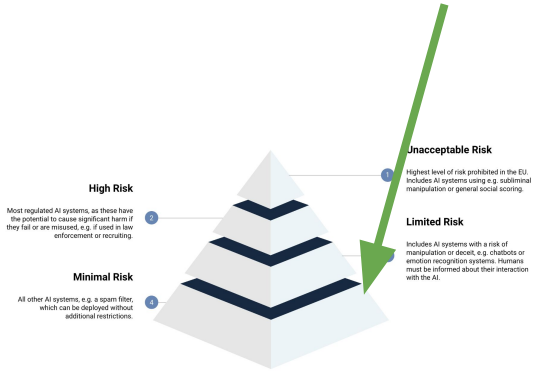
Includes AI systems with a risk of manipulation or deceit, e.g. chatbots or emotion recognition systems. Humans must be informed about their interaction with the AI.

aka. transparency risk

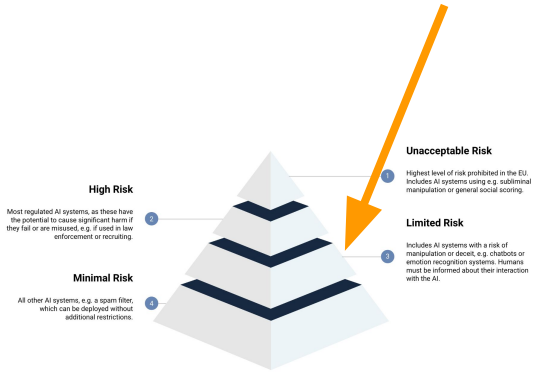
Minimal Risk

All other AI systems, e.g. a spam filter, which can be deployed without additional restrictions.

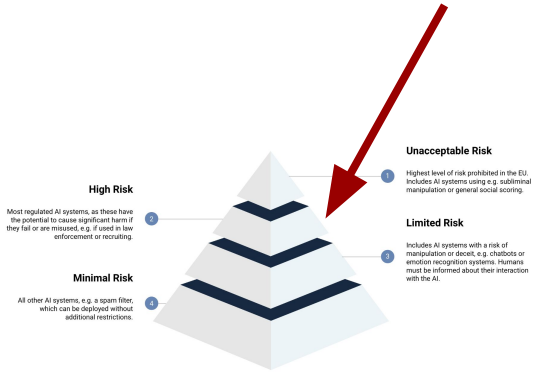
EU AI Act Risk Levels



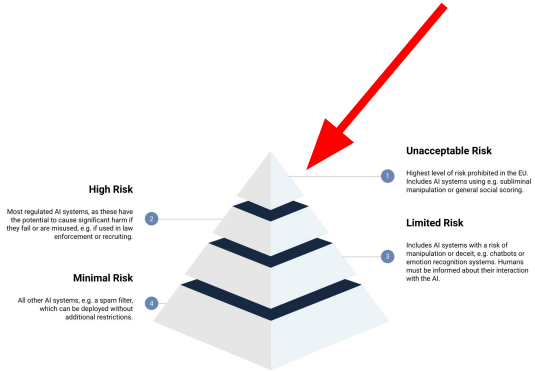
EU AI Act Risk Levels



EU AI Act Risk Levels



EU AI Act Risk Levels



Minimal Risk (Unregulated, No Restrictions)

✅ **AI-Powered Email Filters**

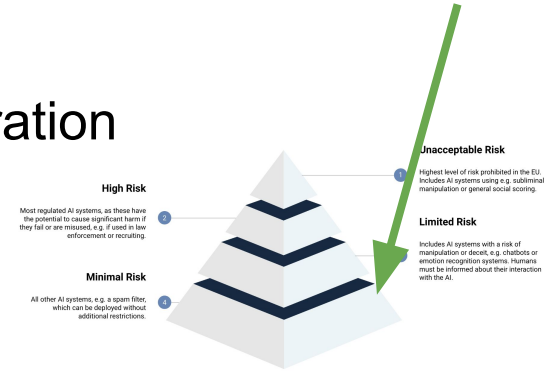
Spam detection in Gmail or Outlook

✅ **AI Chatbots for FAQs**

Customer support bots with no major decision-making power

✅ **AI-powered bookkeeping**

Automating expense categorization and report generation



Limited Risk (Transparency Requirements)

⚠️ Deepfake Generators

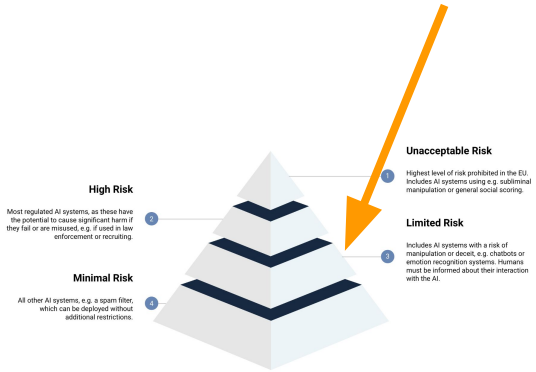
AI-generated images/videos must disclose their synthetic nature

⚠️ AI Recommendation Systems

Product or content recommendations

⚠️ AI-Powered Resume Screeners

Must inform users they are being assessed by AI



High Risk (Strict Compliance & Audits Required)

🔴 AI in Healthcare Diagnosis

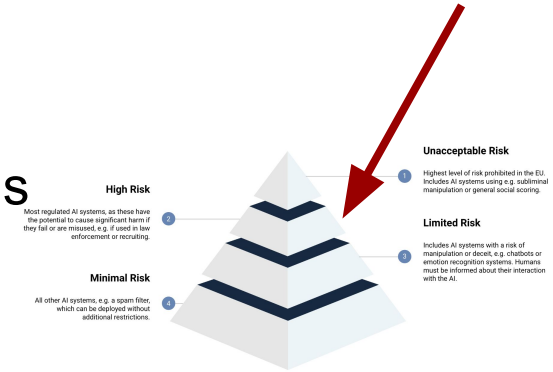
AI models used in detecting diseases

🔴 AI for Credit Scoring

AI used by banks to assess loan applications

🔴 AI in Recruitment

Automated hiring systems influencing hiring decisions



Prohibited AI (Banned for Ethical & Safety Reasons)

❌ Social Scoring Systems

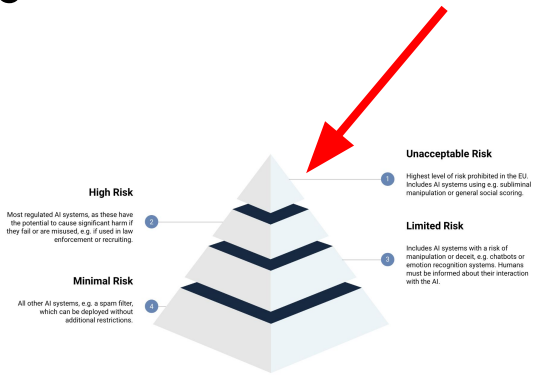
AI that ranks individuals based on behavior

❌ Real-Time Biometric Surveillance

Facial recognition used for mass surveillance in public spaces

❌ AI for Predictive Policing

Systems that forecast crime likelihood based on biased data



Audience Interaction!

Guess the EU AI Act Risk Level!

EU AI Act Risk Guess

❌ **Prohibited AI (Banned for Ethical & Safety Reasons)**

🔴 **High Risk (Strict Compliance & Audits Required)**

⚠️ **Limited Risk (Transparency Requirements)**

✅ **Minimal Risk (Unregulated, No Restrictions)**

Example 1:

🤔 **AI-Powered Scheduling Assistants**
AI tools that schedule meetings (e.g., Calendly AI)

EU AI Act Risk Guess

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Example 2:

🤔 **AI for Workplace Productivity Monitoring**
AI tracking employee activity and behavior

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Example 2:

🤔 **AI-Driven Lie Detectors**
AI used in law enforcement to analyze truthfulness based on biometric data

EU AI Act Risk Guess

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Enforcement & Penalties:

→ The AI Office (EU-level) located in Luxembourg

→ National Regulators will oversee enforcement

Fines range from **€7.5M to €35M** (or 1% to 7% of annual revenue) depending on the violation.

Business Preparation:

→ **AI Risk Assessment**
Map AI use cases, assess risks.

→ **AI Governance Framework**
Establish internal AI policies.

→ **Compliance Training**
Educate employees on AI responsibilities.

→ **Technical & Legal Readiness**
Prepare AI systems for regulatory obligations.

→ **Monitor Regulatory Updates**
Engage with AI Office & National Regulators.

Status & Timeline

→ Political agreement reached in December 2023.

→ EU Parliament elections (June 2024).

→ Phased implementation (2024-2026):

- → 6 months: Prohibited AI enforcement
- → 12 months: General Purpose AI & AI Board setup
- → 24 months: Full compliance for high-risk AI
- → 36 months: Specific high-risk AI obligations

The AI Act rules on general-purpose AI will become effective in **August 2025**

Scope & Application:

Providers (AI Developers) – EU companies that **create AI models or systems**

→ **Aleph Alpha (Germany)** – Developing AI language models.
→ **Mistral AI (France)** – Open-weight AI model provider.
→ **DeepL (Germany)** – AI-based translation services.

Deployers (AI Users) – EU businesses that **integrate AI into their operations**

→ **BNP Paribas (France)** – Using AI for fraud detection and risk assessment.
→ **Siemens (Germany)** – AI-driven predictive maintenance in manufacturing.
→ **Zalando (Germany)** – AI-powered fashion recommendations.

Importers – Companies that **bring AI systems into the EU from outside**

→ A Spanish retailer importing AI-driven inventory management software from the U.S.
→ A German hospital using AI-powered diagnostic tools developed in Israel.

Distributors – Businesses that **sell or resell AI systems**

→ **OVHcloud (France)** – Providing AI models via cloud services.
→ **SAP (Germany)** – Selling AI-powered enterprise solutions.
→ **Orange Business (France)** – Offering AI-driven cybersecurity and analytics tools.

AI Agent Frameworks & Platforms

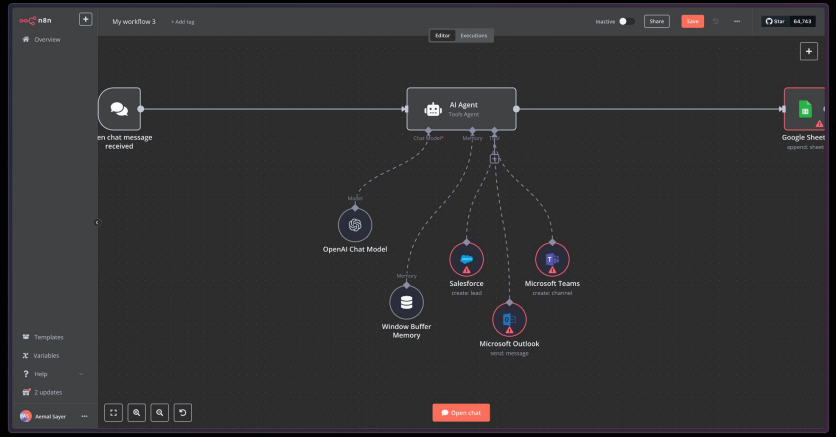
From low-code to high-code, choose the right tools!

Leverage established AI platforms for rapid prototyping and proof-of-concepts, allowing quick validation of ideas through a low-code approach. Once the concept is proven, I transition to building sophisticated, custom AI Agents.



What is N8N?

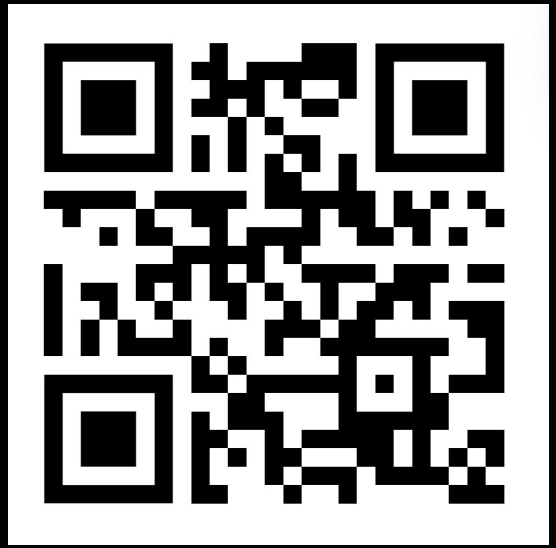
It is a powerful no-code/low-code automation tool that lets you connect apps, automate workflows, and build AI-powered agents!



AemalSayer.com

My N8N free workshop on 3rd May 2025!

https://lu.ma/julol8a3



AemalSayer.com

What is Relevance AI?

Relevance AI is a platform that helps businesses analyze, visualize, and automate workflows with AI-driven data processing. It enables seamless integration, clustering, and embedding of unstructured data for better insights and automation.



What is Vapi?

Vapi is a developer platform that enables the creation, testing, and deployment of AI-powered voice agents for business applications. It allows businesses to automate voice interactions, improve customer service, and integrate AI-driven conversational experiences seamlessly.



What is 11Labs?

ElevenLabs is an AI-powered voice synthesis company specializing in ultra-realistic text-to-speech (TTS) technology. It provides natural-sounding AI voices for content creators, businesses, and developers, offering features like voice cloning, multilingual support, and customizable speech styles.



What is CrewAI?

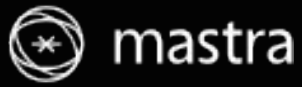
CrewAI is an open-source AI framework that enables the creation of multi-agent AI systems where multiple AI agents collaborate to solve complex tasks efficiently.



What is Mastra AI?

The TypeScript Agent Framework

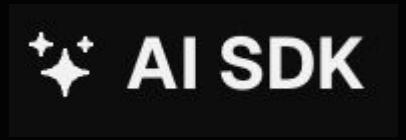
From the team that brought you Gatsby: prototype and productionize AI features with a modern Javascript stack.



What is Vercel AI SDK?

The AI Toolkit for TypeScript

From the creators of Next.js, the AI SDK is a free open-source library that gives you the tools you need to build AI-powered products.



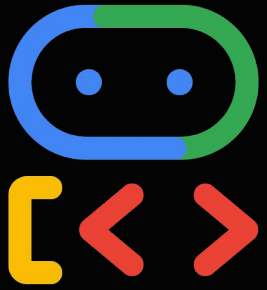
OpenAI Agents SDK

The OpenAI Agents SDK enables you to build agentic AI apps in a lightweight, easy-to-use package with very few abstractions. It's a production-ready upgrade of our previous experimentation for agents, Swarm.



Agent Development Kit (ADK)

An open-source, code-first Python toolkit for building, evaluating, and deploying sophisticated AI agents with flexibility and control.



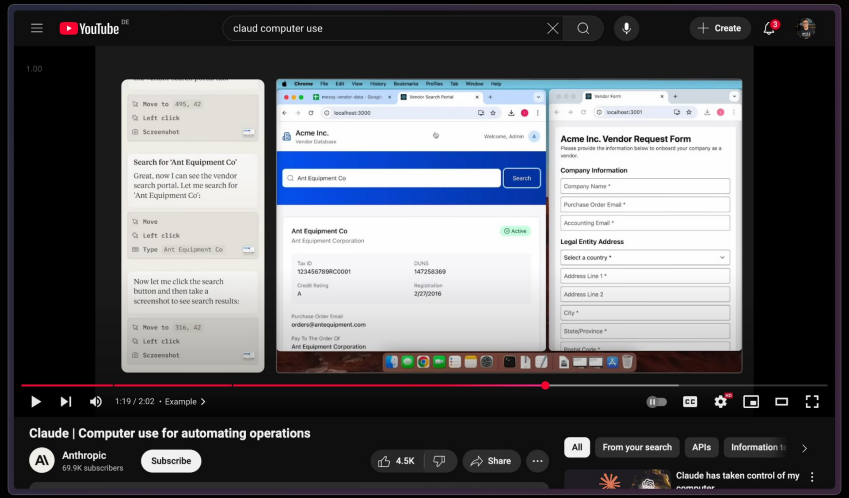
By Google

AI Agents Using Computer!

Without APIs!

What is Anthropic's Computer Use?

Claude can interact with tools to manipulate a computer desktop environment. Like humans, it can take a command and perform the necessary steps to reach the goal.



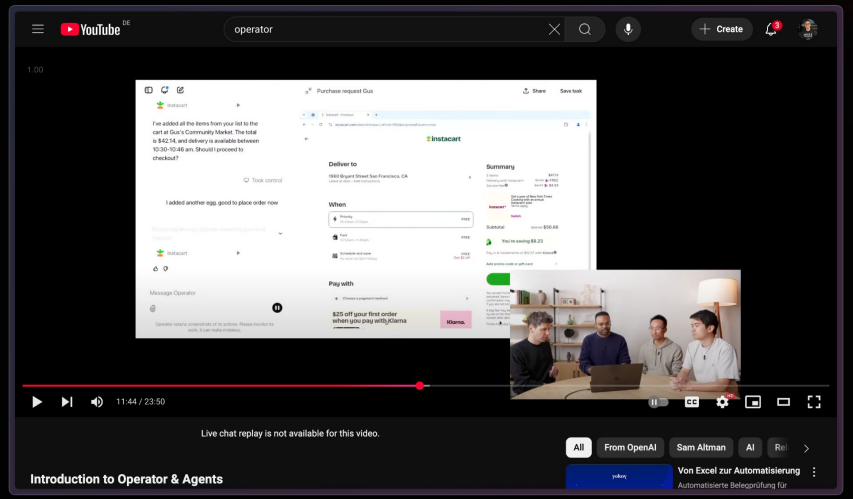
Released on 22.10.2024

https://youtu.be/ODaHJzOyVCQ

AemalSayer.com

What is OpenAI's Operator?

Operator is a groundbreaking AI agent that can access and interact with the internet to carry out tasks independently. It is powered by the Computer-Using Agent (CUA) model, which uses a universal interface of screen, mouse, and keyboard to navigate digital environments without needing specific APIs.



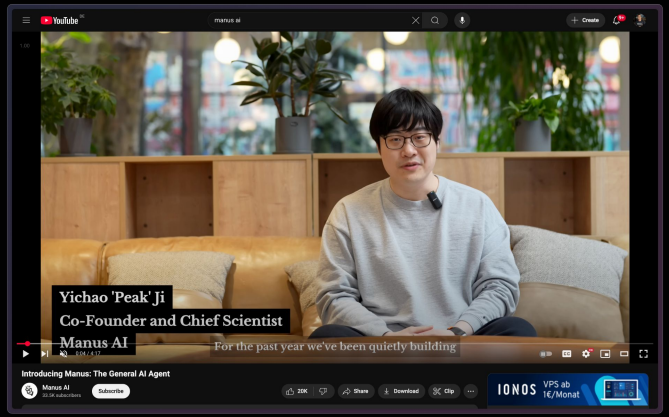
Released on 23.01.2025

https://youtu.be/CSE77wAdDLg

AemalSayer.com

What is Manus AI?

Manus is a general AI agent that bridges minds and actions: it doesn't just think, it delivers results. Manus excels at various tasks in work and life, getting everything done while you rest.



Released on 05.04.2025

https://youtu.be/K27diMbCsuw

I WANT to build

19.01.2025

AI Agents

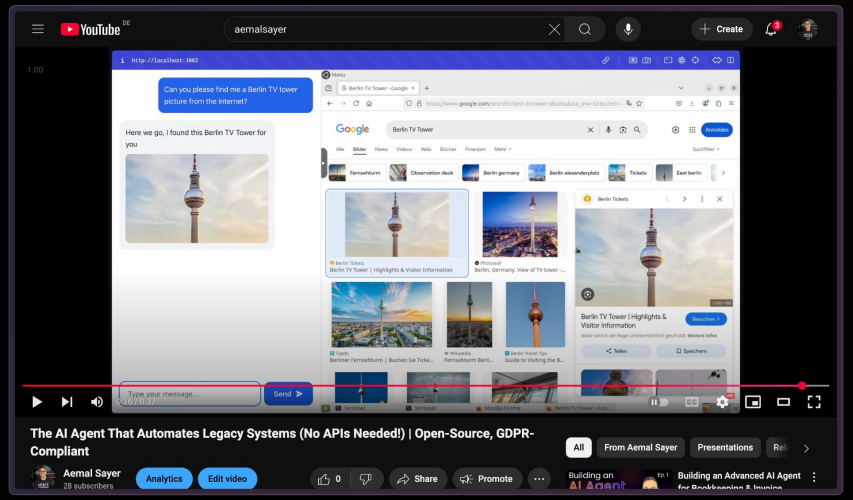
Without APIs!



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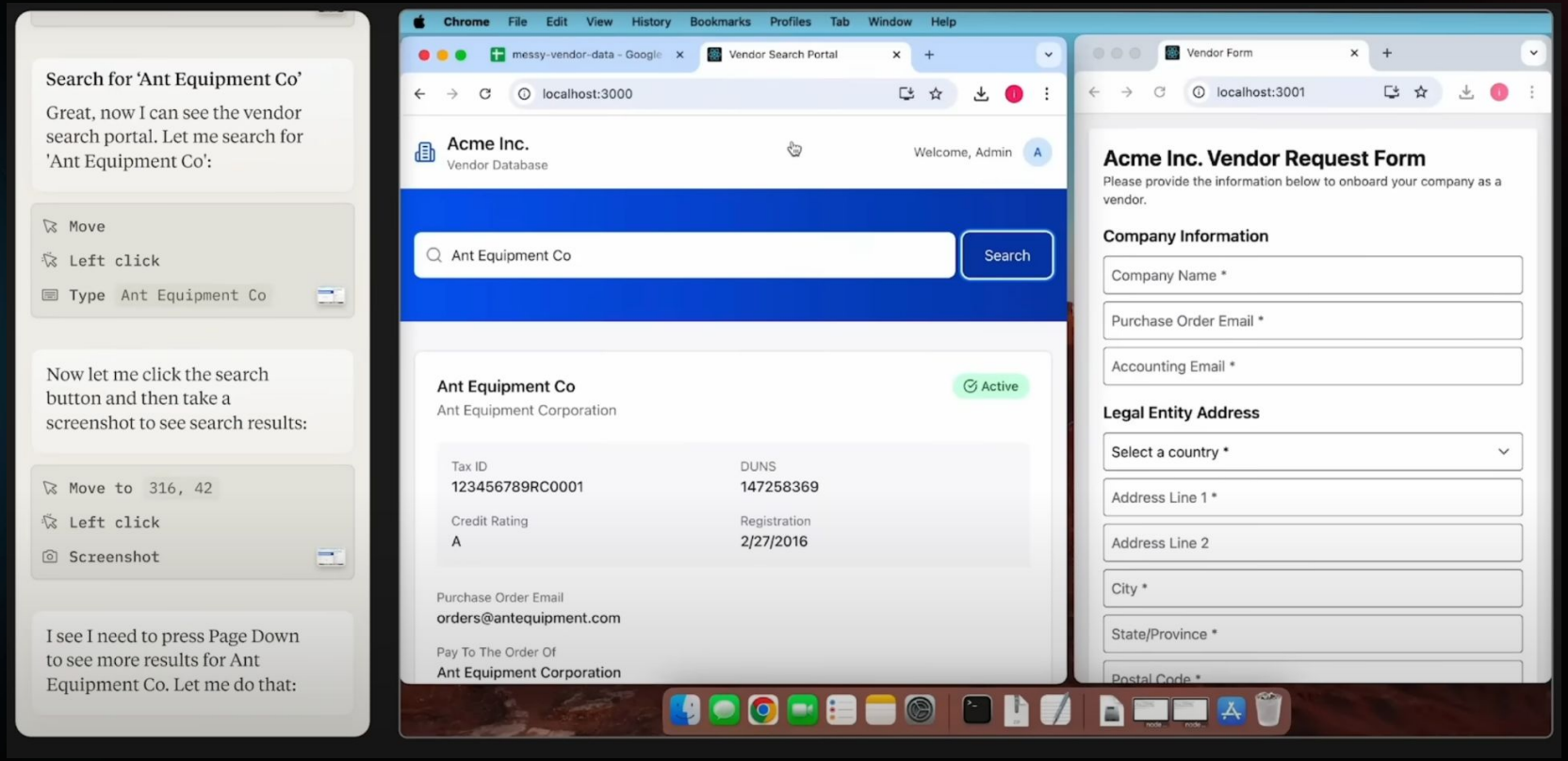
Self Hosted Computer Use for AI Agents

BlindClicks is an LLM-driven automation tool that executes clicks and typing faster than OCR-based approaches. It uses multimodal LLMs and OCR as a fallback, and if unresolved, pings a human via Slack/Email for a one-time fix. The agent learns from corrections, improving future execution.

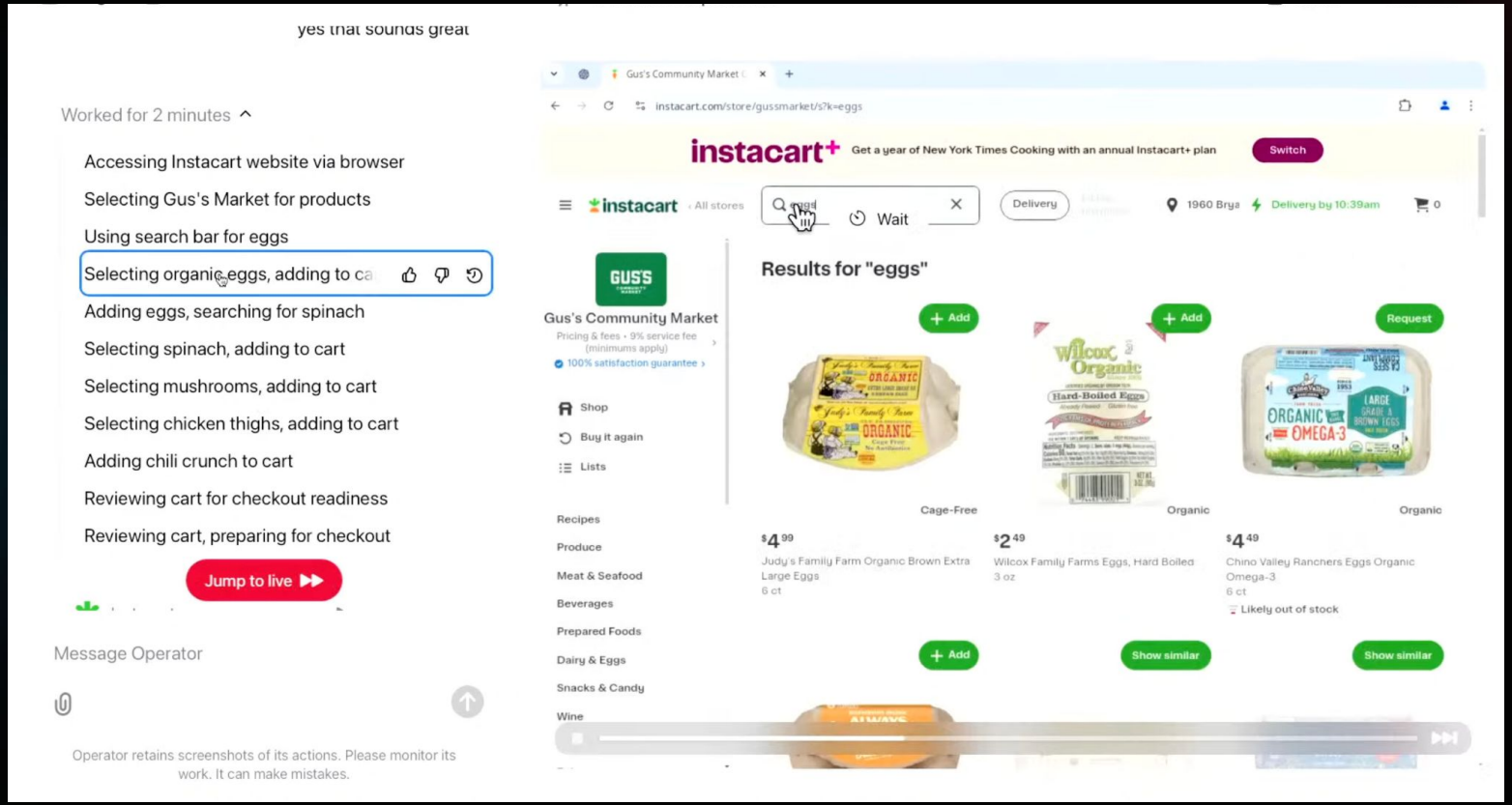


Conceptualized on 19.01.2025

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Safe New York Properties with Good Schools for Families

Typing 1800000

Searching for properties in target neighborhoods using Redfin within the calculated budget range.

Typing 2641826

Searching for properties in target neighborhoods using Redfin within the calculated budget range.

Clicking element

Searching for properties in target neighborhoods using Redfin within the calculated budget range.

Creating file property_search/upper_east_side_properties.md

Moving on to analyze property listings and compare options across different neighborhoods.

Analyze and compare property listings

Browsing https://www.redfin.com/neighborhood/498410/NY/Manhattan/Upper-West-Side

Analyzing property listings and comparing options across different neighborhoods.

Typing Upper West Side New York

Analyzing property listings and comparing options across different neighborhoods.

Clicking element

Analyzing property listings and comparing options across different neighborhoods.

Clicking element

Analyzing property listings and comparing options across different neighborhoods.

Typing 1800000

Analyzing property listings and comparing options across different neighborhoods.

Using browser

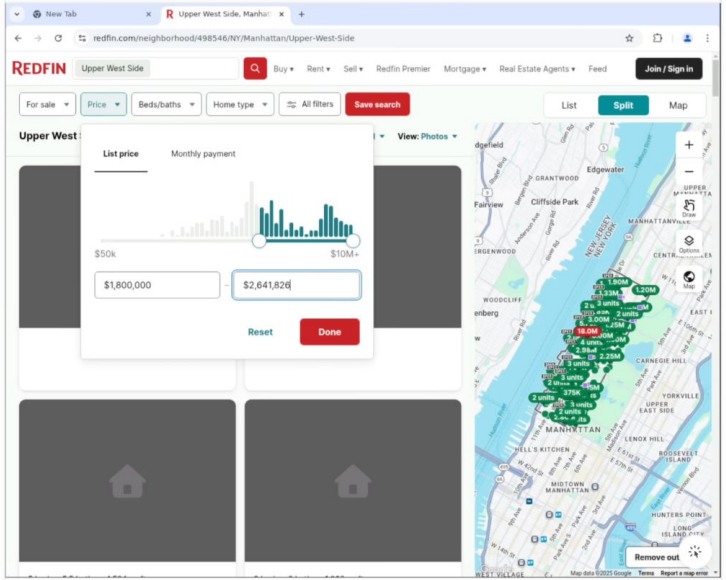
Message Manus

Manus's Computer

Manus is using Browser

Typing 1800000

https://www.redfin.com/neighborho...

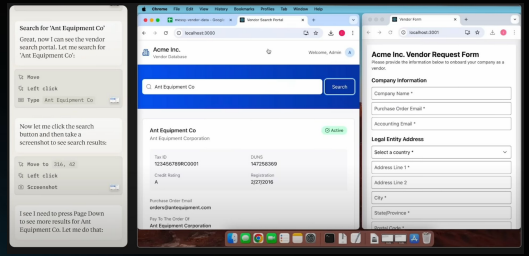


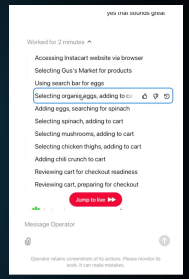
Manus is working: Analyze and compare property listings across different neighborhoods

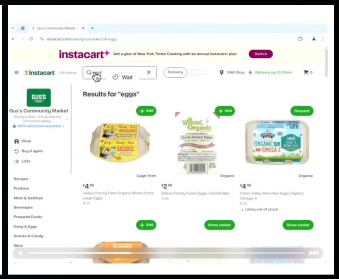
3:19 Using browser

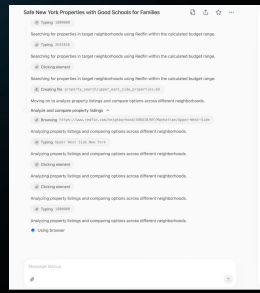
5 / 8

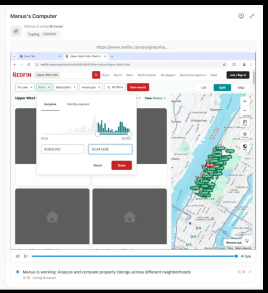
AemalSayer.com



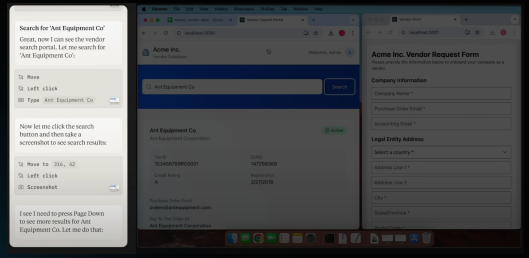


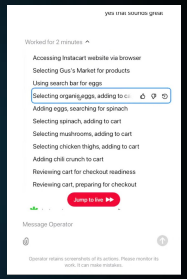


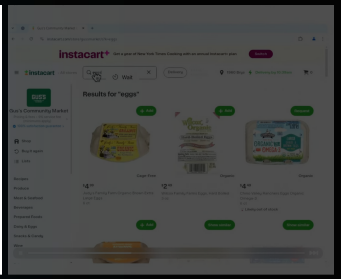


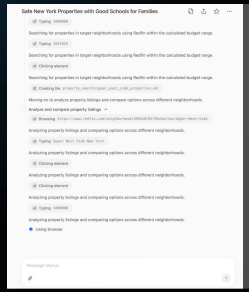


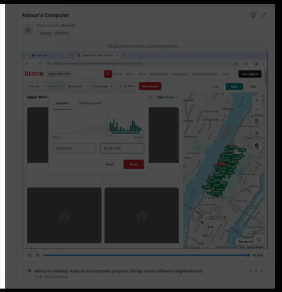
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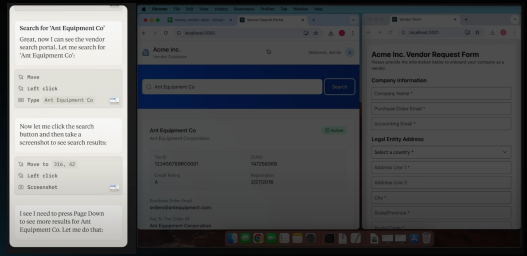


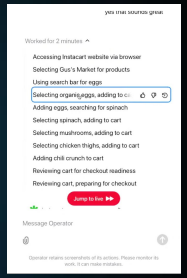


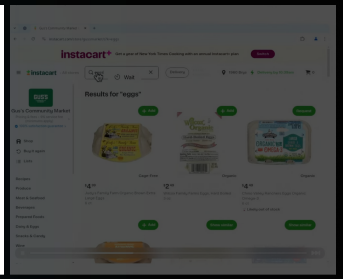


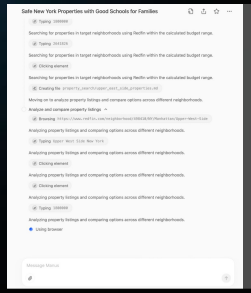


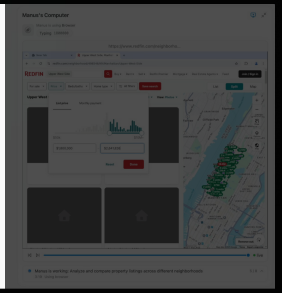
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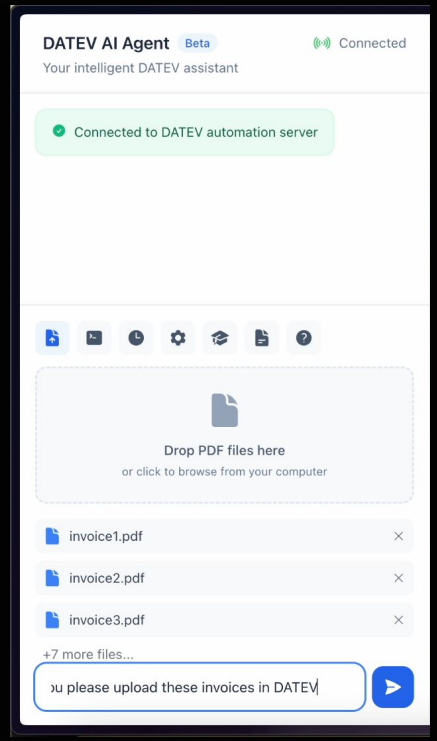




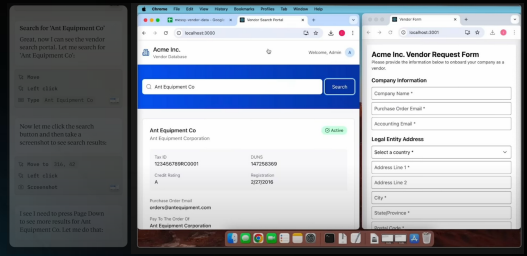


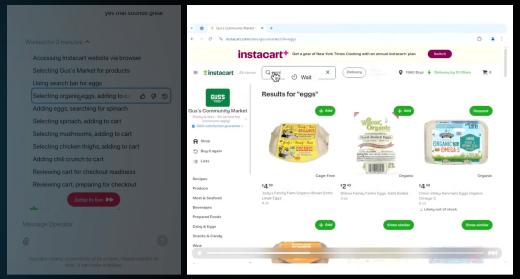


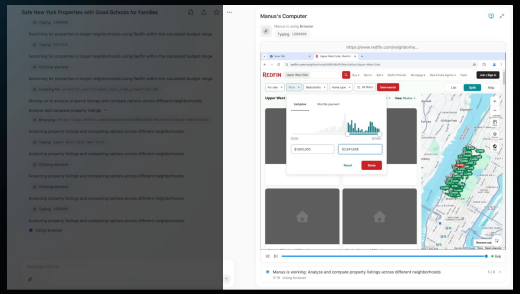


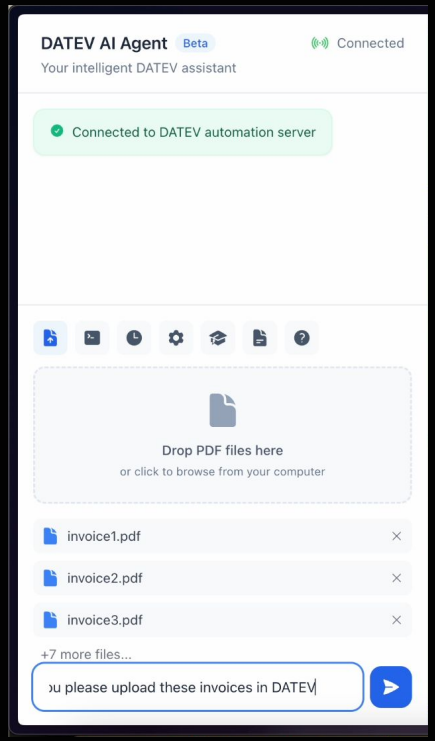


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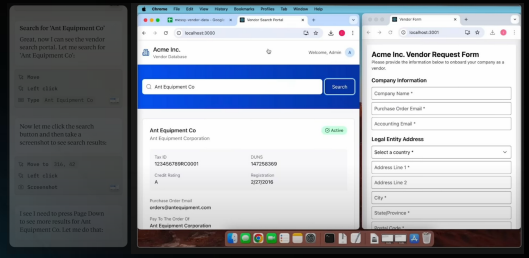


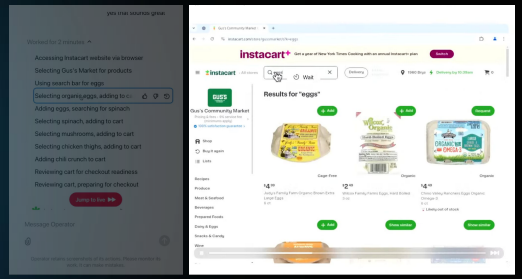


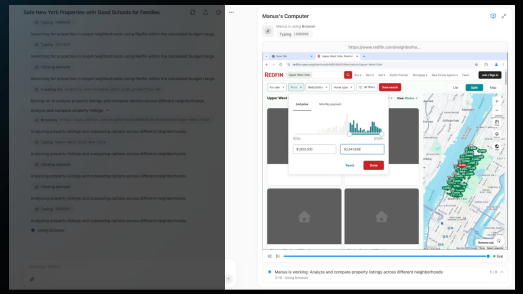


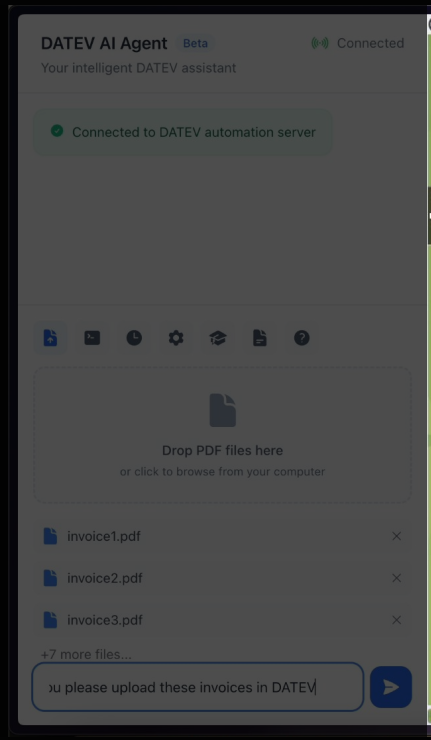


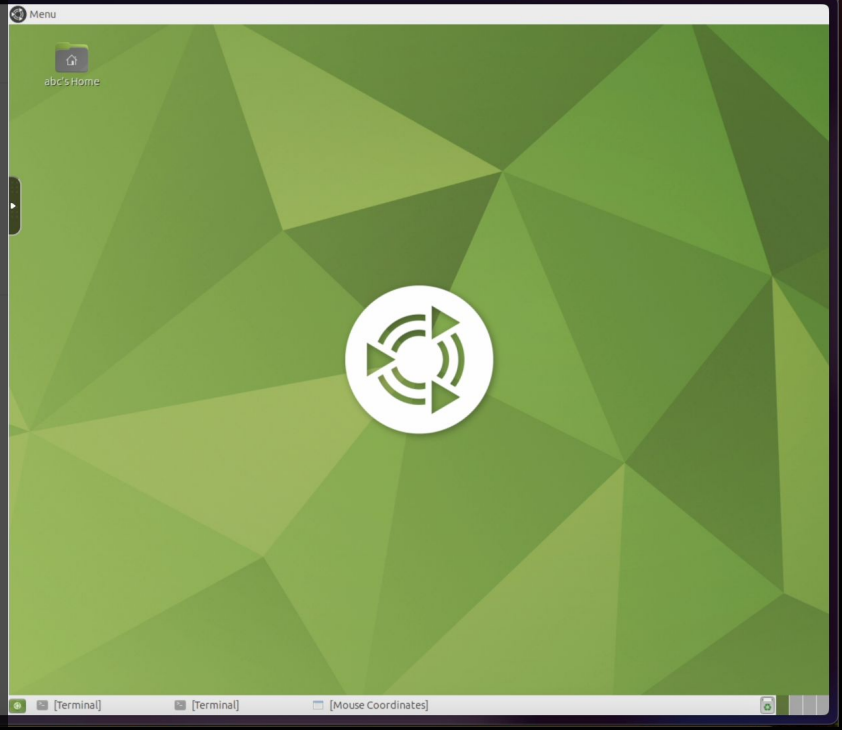
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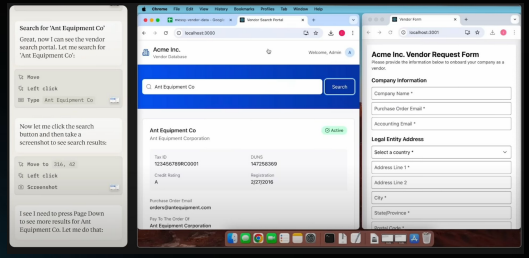


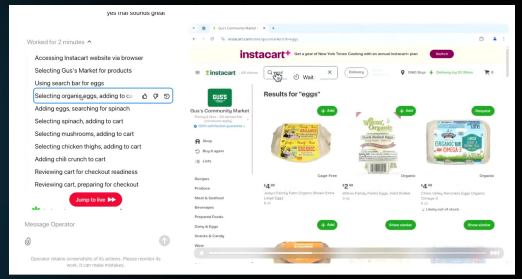


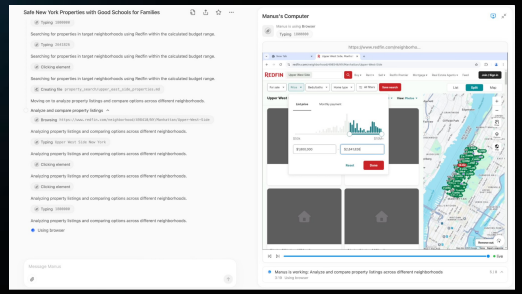


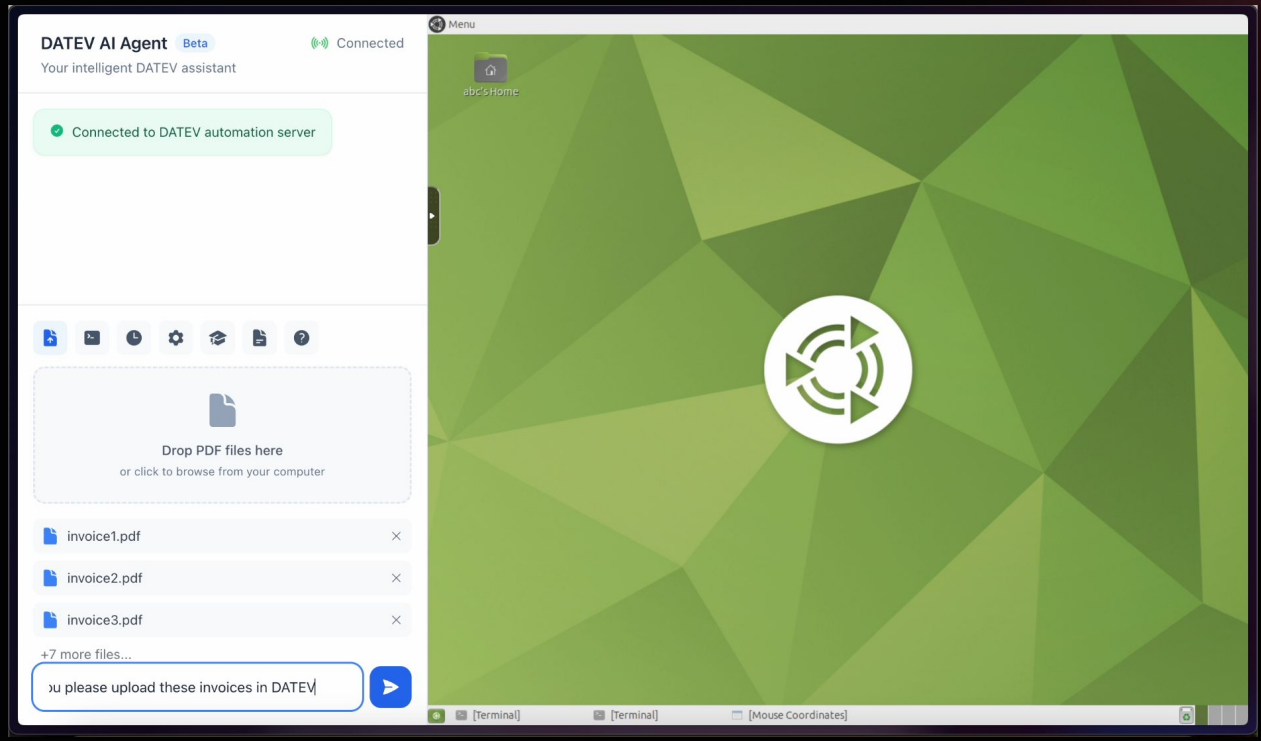


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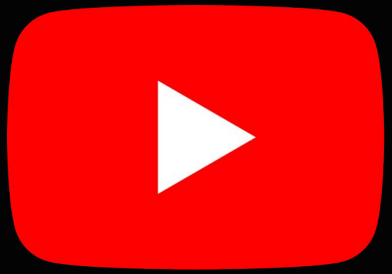


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DATEV AI Agent Demo



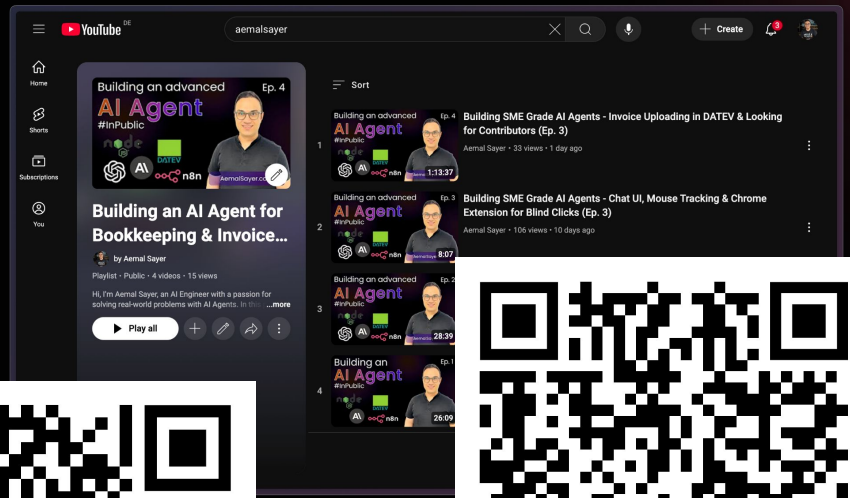
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#BuildInPublic

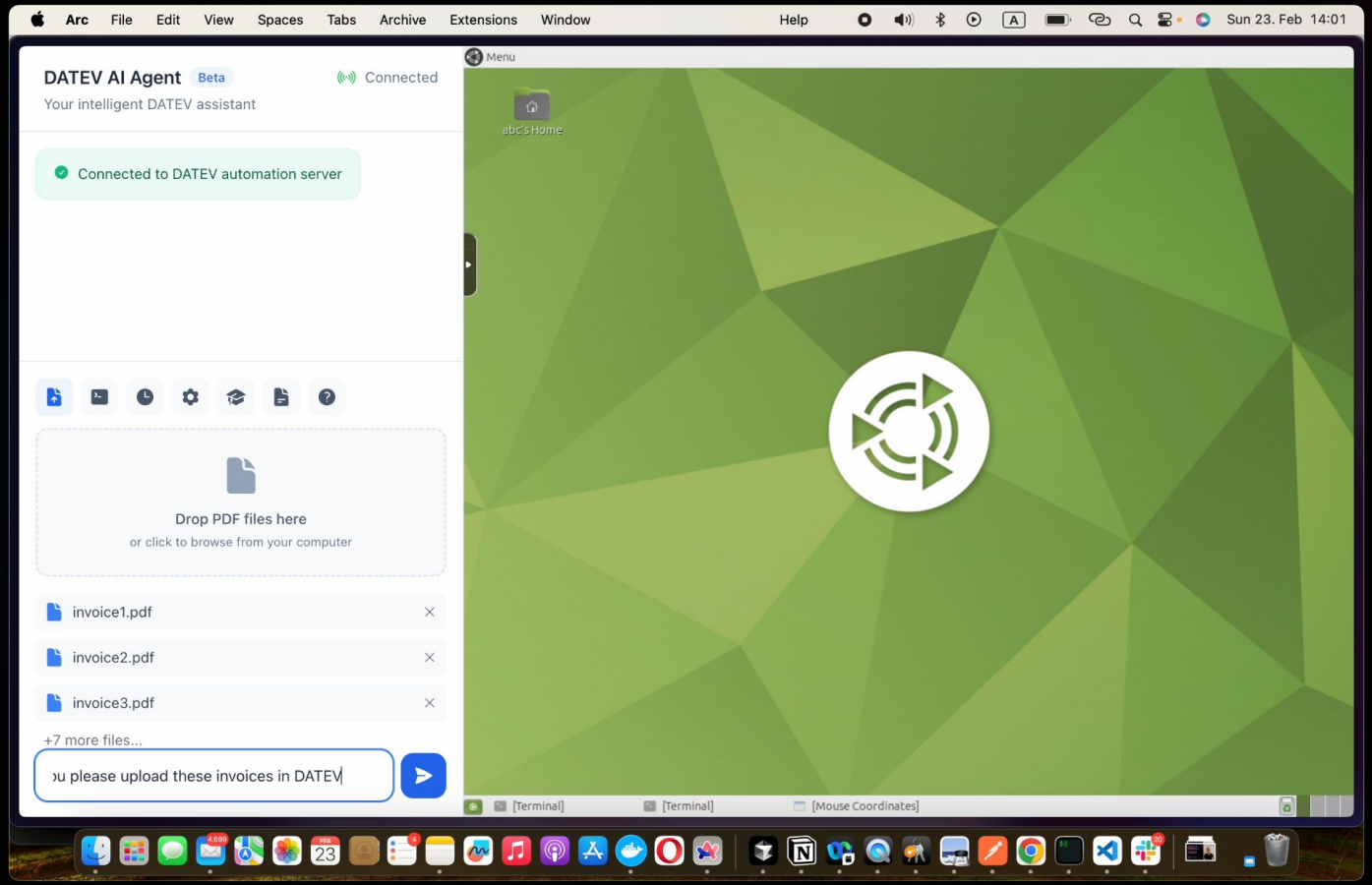
https://blindclicks.dev

Watch BlindClicks' progress every Sunday with a new episode!

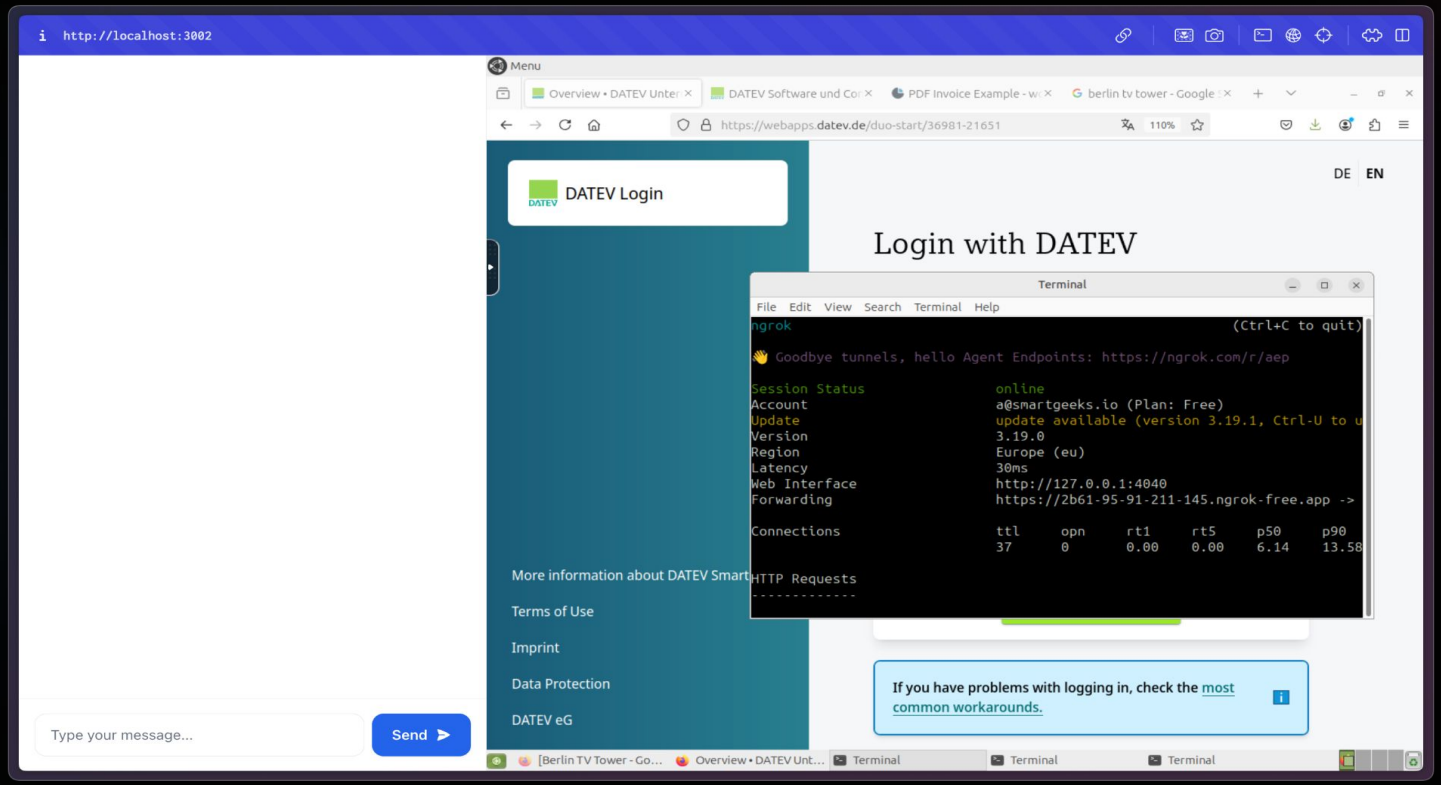
I am looking for contributors!



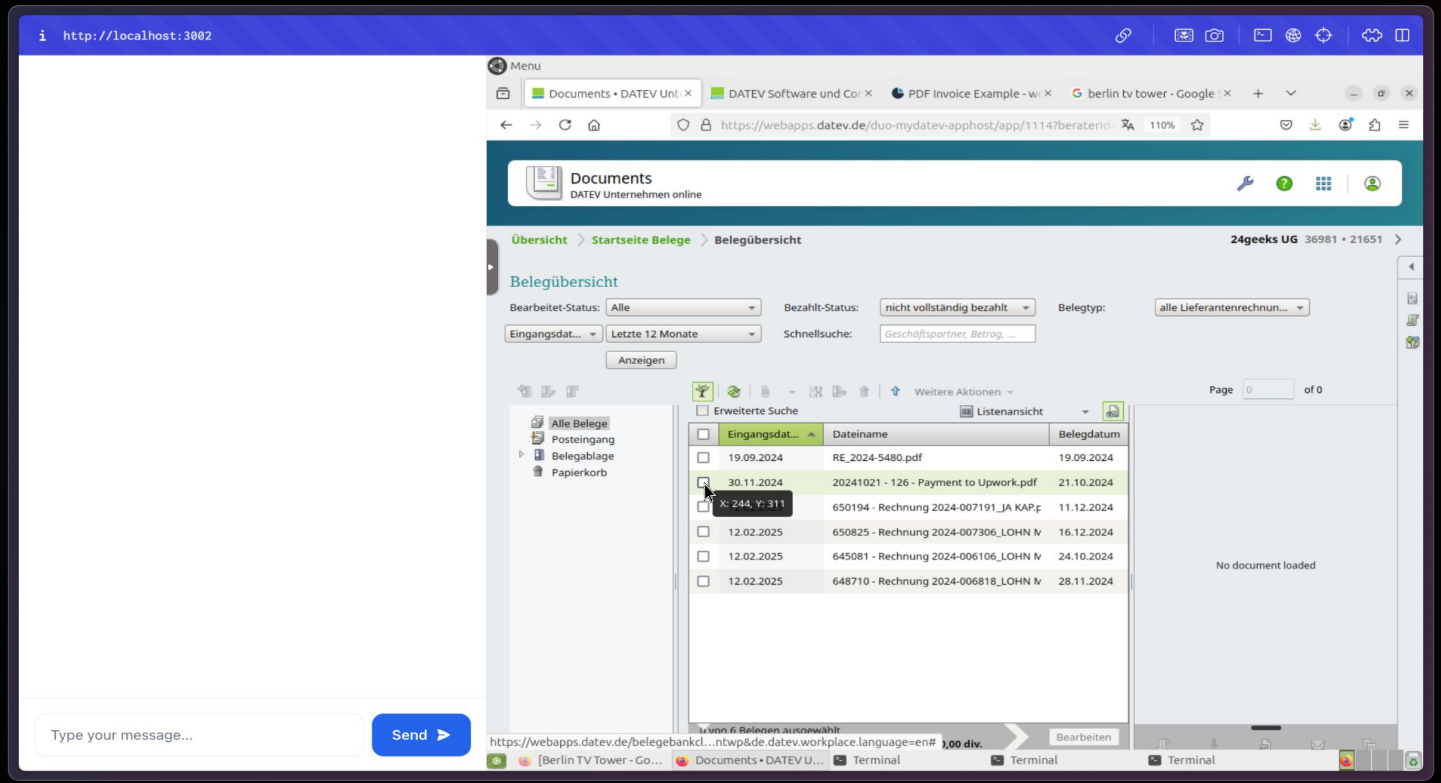
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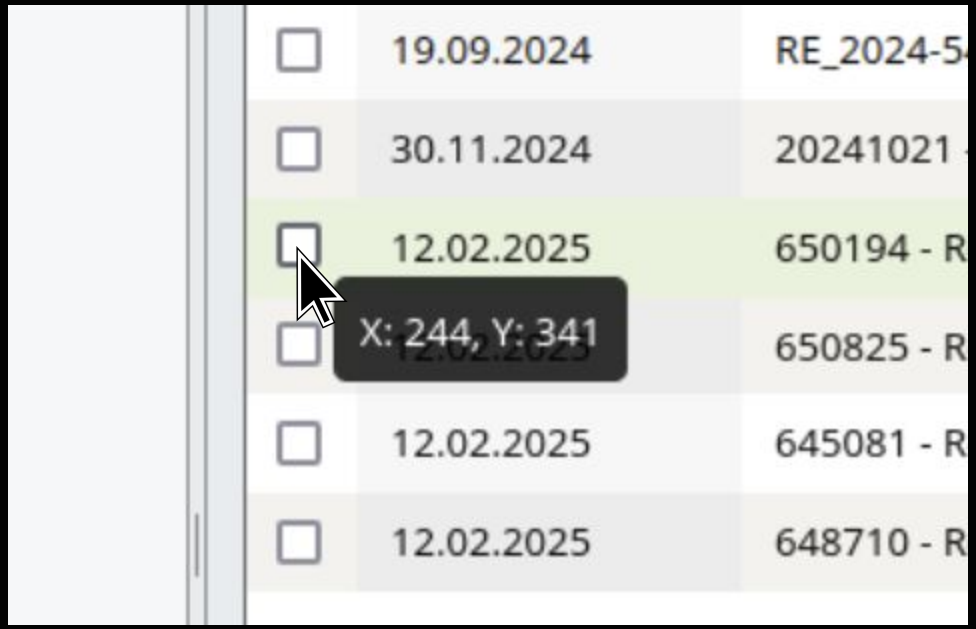
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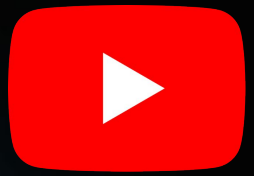


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blind-clicks-demo.js

```
const agent = new BlindClicks.Agent();

agent.sequence([
  clickButton("Login"),
  typeText("username", "admin"),
  typeText("password", "********"),
  clickButton("Submit"),
  async (ctx) => {
    if (await ctx.isElementVisible("2FA")) {
      await ctx.humanFallback("Need 2FA code");
    }
  }
]);
```

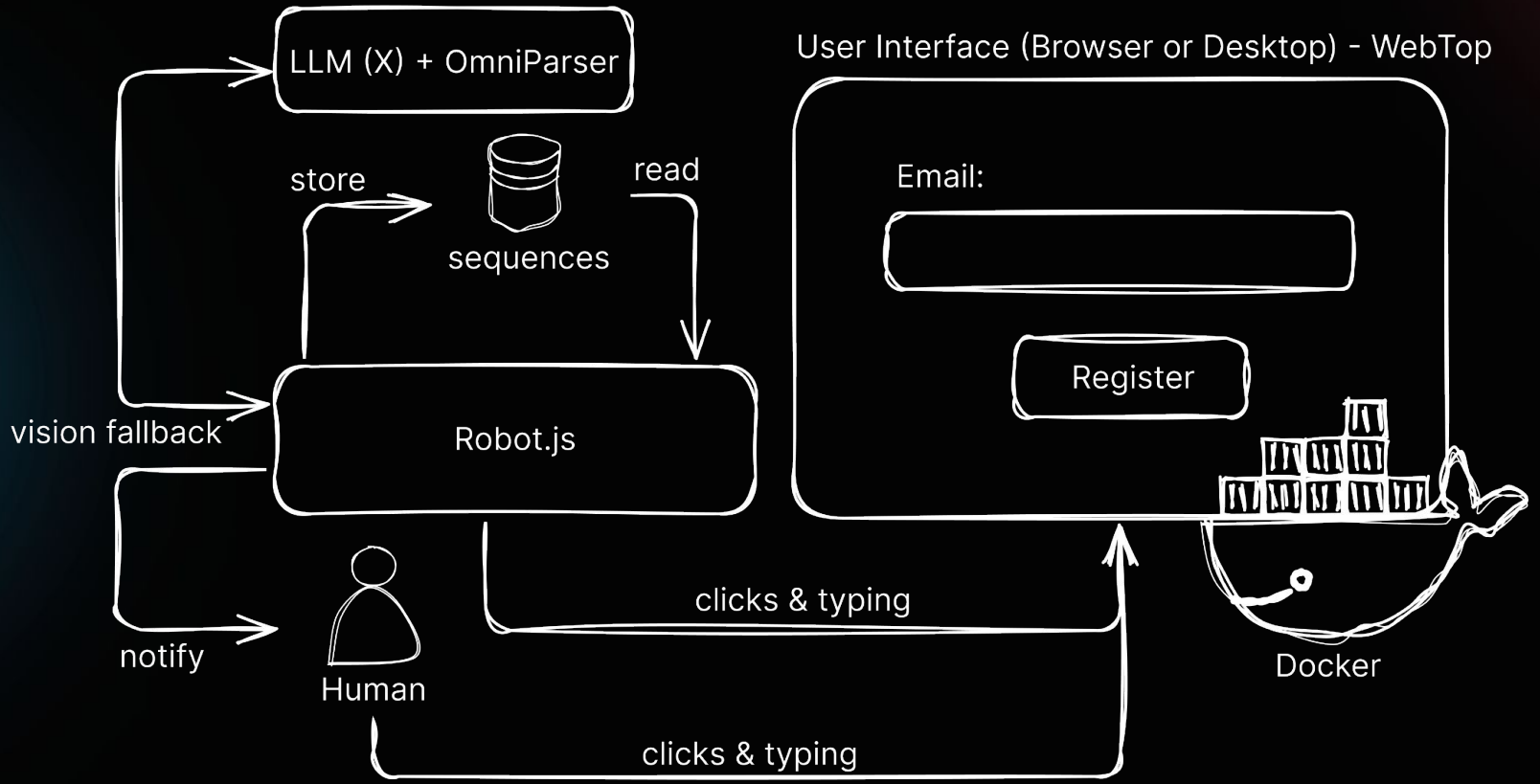


blind-clicks-demo.js

```
const agent = new BlindClicks.Agent();

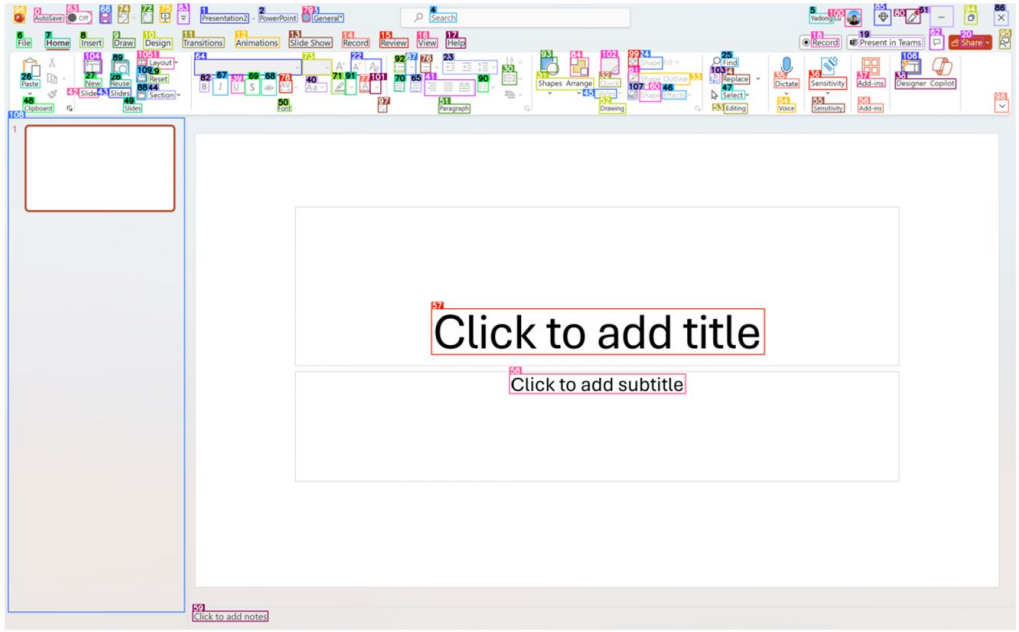
agent.sequence([
  clickButton("Login"),
  typeText("username", "admin"),
  typeText("password", "********"),
  clickButton("Submit"),
  async (ctx) => {
    if (await ctx.isElementVisible("2FA")) {
      await ctx.humanFallback("Need 2FA code");
    }
  }
]);
```

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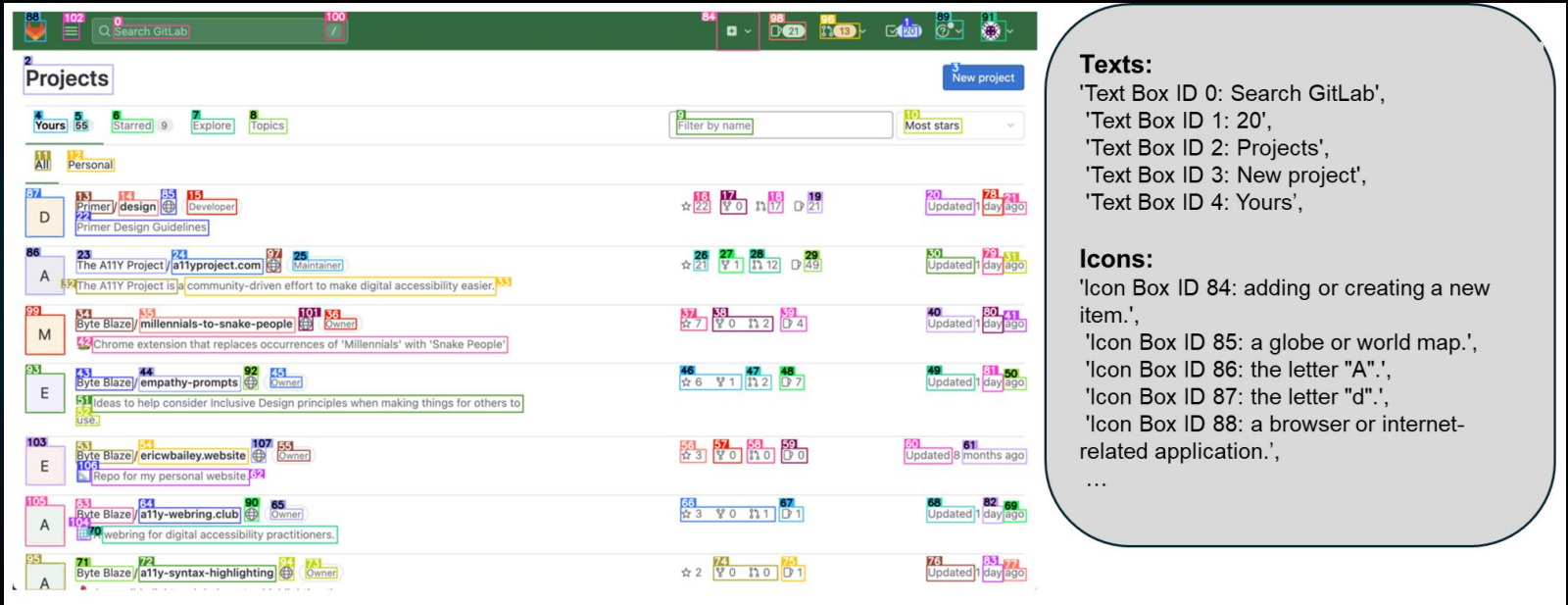
OmniParser



Texts:
'Text Box ID 0: AutoSave',
'Text Box ID 1: Presentation2',
'Text Box ID 2: PowerPoint',
'Text Box ID 3: General*',
'Text Box ID 4: Search',
…

Icons:
'Icon Box ID 62: a chat or messaging feature.',
'Icon Box ID 63: a toggle switch in the "off" position.',
'Icon Box ID 64: a loading or progress bar.',
'Icon Box ID 65: a menu or list of options.',
'Icon Box ID 66: a floppy disk drive.'
…

OmniParser



Texts:
'Text Box ID 0: Search GitLab',
'Text Box ID 1: 20',
'Text Box ID 2: Projects',
'Text Box ID 3: New project',
'Text Box ID 4: Yours',

Icons:
'Icon Box ID 84: adding or creating a new item.',
'Icon Box ID 85: a globe or world map.',
'Icon Box ID 86: the letter "A".',
'Icon Box ID 87: the letter "d".',
'Icon Box ID 88: a browser or internet-related application.',
…

Take Bold Risks!

Thanks! 👋

To learn more about AI Agents, connect with me on LinkedIn & subscribe to my YouTube channel!

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