

BUILD WITH CODE

UiPath Coded Agent Deep Dive

AI-NATIVE ENGINEERING · GREATER IMPACT

15 July 2026

🕒 4:00 PM – 6:00 PM

📍 Symprio Sdn Bhd, Tower B, 8-5, Vertical Business Suite
No 8 Jalan Kerinchi, Bangsar South, Kuala Lumpur 59200

#uipath #ilm #buildwithcode #symprio

Meet Your Speakers

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Workshop Agenda

3:00 PM – 5:30 PM

Symprio Sdn Bhd
Bangsar South, KL

PART 01

Setup & Installation

Get your environment running from scratch

PART 02

Run Sample Flow

Live hands-on coded automation session

PART 03

Use Case Discussion

Real-world scenarios and patterns



Kahoot! Quiz

Top 3 winners get a prize!



Feedback

Share your thoughts — quick survey



Group Photo

Let's capture the moment together!

What You Will Learn



Set Up the Environment

Install and configure UiPath Studio, Claude Code (or Gemini CLI), Node.js, Git for Windows, and connect via MCP from scratch.



Test the Agent

Understand how the AI coding agent talks to UiPath Studio — trigger actions using natural language.



First Coded Workflow

Create your first coded automation workflow from scratch using only a prompt — no drag-and-drop needed.



Real-World Use Cases

Explore practical automation patterns and discuss how to apply them in your own projects.

Choose Your AI Agent — You Decide!

Today's presenter uses Claude Code. Participants are free to follow with Claude Code or Gemini CLI — both work identically with UiPath.

Claude Code

Presenter ☆

- ✓ Best-in-class code quality
- ✓ Anthropic Claude Sonnet model
- ✓ Native UiPath MCP integration
- 💰 Requires Claude Pro — \$20/month
- ✓ `npm install -g @anthropic-ai/claude-code`

Open AI - Codex

FREE

- ✓ Free to install · pay-per-use API · \$5 free credit for new accounts
- ✓ GPT-4.1 — 128K token context
- ✓ MCP support via settings.json
- ✓ Free to start — OpenAI account only
- ✓ `npm install -g @openai/codex`

Node.js 18+

nodejs.org — v18 LTS or above, required for Claude Code CLI and UiPath CLI

UiPath Studio

community.uipath.com — free Community Edition, where your workflows live

AI Agent CLI

Claude Code (\$20/mo) OR Gemini CLI (free) — both work identically with UiPath

Account

Claude Pro account (claude.ai) OR free Google account for Gemini CLI

Git for Windows

git-scm.com — enables the Bash tool in Claude Code on Windows. Without it Claude Code falls back to PowerShell only.

STEP 1 · Activate Claude Pro Account

Activate Claude Pro

What you need

A Claude Pro subscription at claude.ai (\$20/month). This unlocks the Claude Sonnet model required by Claude Code — the free plan does not work.

How to subscribe

Go to claude.ai → Log in → Settings → Billing → Upgrade to Pro

Note

Your login on the browser carries over to the CLI automatically in Step 4.

Plans that grow with you

Individual

Team and Enterprise



Pro

Research, code, and organize

\$17 USD / month
billed annually

① You are on a monthly billing plan.
Pay annually to save 17%.

Get Pro annual plan

Everything in Free and:

- ✓ Claude Code directly in your codebase
- ✓ Power through tasks with Cowork
- ✓ Build and prototype with Claude Design
- ✓ Higher usage limits
- ✓ Access to more Claude models
- ✓ Memory that carries across conversations



Max

Higher limits, priority access

From \$100 USD / month
billed monthly

Get Max plan

No commitment · Cancel anytime

Everything in Pro, plus:

- ✓ Up to 20x more usage than Pro*
- ✓ Recommended for Claude Code & Cowork
- ✓ Early access to advanced Claude features
- ✓ Higher output limits for all tasks
- ✓ Priority access at high traffic times

*Usage limits apply. Prices and plans are subject to change at Anthropic's discretion.

STEP 2 · Check Version & Install Node.js

Install Node.js

① Check current version (before install)

```
node --version  
npm --version
```

Expected: 'not recognized' if not installed yet

② Download Node.js LTS Installer

<https://nodejs.org/en/download>

Select: Windows Installer (.msi) — LTS version

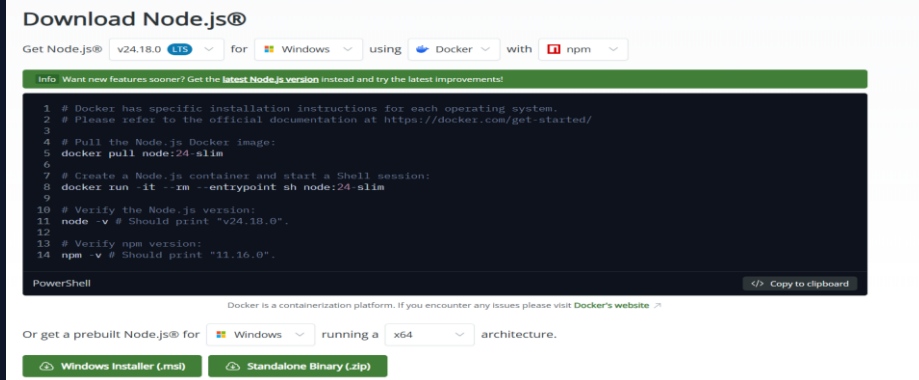
③ Check version AFTER install (new terminal)

```
node --version    → v22.x.x  
npm --version     → 10.x.x
```

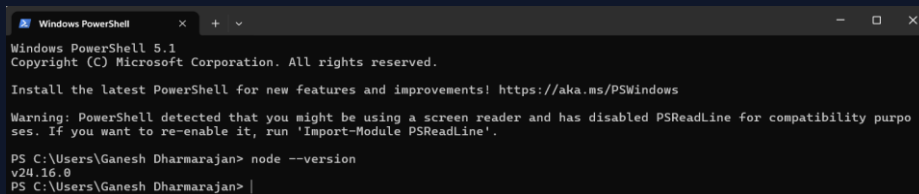
✓ Both return versions = install successful!

⚠ Open a NEW terminal after installing

Screenshots



nodejs.org — Windows Installer (.msi) LTS



node --version → v24.16.0 confirmed

STEP 3 · Install Git & Set Environment Path

Install Git for Windows

① Download & install Git for Windows

```
https://git-scm.com/download/win
```

Keep "Add Git to PATH" checked during install

② Set environment path (PowerShell)

```
setx PATH "$($env:PATH);C:\Program Files\Git\bin"
```

Run in PowerShell — sets Git in system PATH permanently

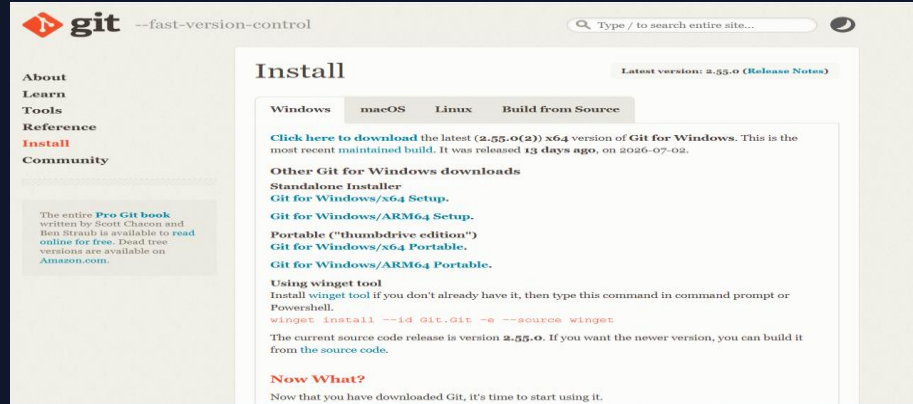
③ Verify — open NEW terminal

```
git --version → git version 2.47.x
```

✓ Git enables Bash tool in Claude Code.

⚠ Without Git, Claude Code uses PowerShell only.

Screenshots



git-scm.com/download/win — select Windows x64 Setup

```
setx PATH "$($env:PATH);C:\Program Files\Git\bin"
```

setx PATH command in PowerShell

STEP 4 · Install Claude Code & Login

Install Claude Code & Set PATH

① Install Claude Code (PowerShell — Admin)

```
irm https://claude.ai/install.ps1 | iex
```

② Copy PATH shown at end of install, then Ctrl+C

Location shown: `C:\Users\Ganesh Dharmarajan\.local\bin\claude.exe`

③ Set environment path with copied path

```
setx PATH "$($env:PATH);<paste-path-from-install-output>"
```

④ Open NEW terminal — verify & login

```
claude --version    → 2.1.210 (Claude Code)
claude              → browser opens → login with Claude Pro
```

✓ Welcome screen in terminal = setup complete!

Screenshots

```
PS C:\Users\Ganesh Dharmarajan> irm https://claude.ai/install.ps1 | iex
Setting up Claude Code...
```

✓ Claude Code successfully installed!

Version: 2.1.210

Location: C:\Users\Ganesh Dharmarajan\.local\bin\claude.exe

Next: Run `claude --help` to get started

✓ Installation complete!

```
PS C:\Users\Ganesh Dharmarajan> |
```

irm install.ps1 → Claude Code 2.1.210 installed at .local\bin\claude.exe

```
PS C:\Users\Ganesh Dharmarajan> claude --version
2.1.210 (Claude Code)
PS C:\Users\Ganesh Dharmarajan> |
```

claude --version → 2.1.210 (Claude Code) confirmed

STEP 5 · UiPath CLI, Login & Skills

Connect Claude Code to UiPath

① Install UiPath CLI globally

```
npm install -g @uipath/cli
```

② Check UiPath CLI version

```
uip --version → e.g. 1.x.x
```

③ Login to UiPath Orchestrator

```
uip login
```

Browser opens → log in with UiPath Cloud account

④ Install UiPath skills for Claude Code

```
uip skills install
```

When prompted: choose skills → select Claude Code

✅ Setup complete! Ready for Part 02 — Run Sample Flow.

Screenshots

```

Microsoft Windows [Version 10.0.26200.8737]
(C) Microsoft Corporation. All rights reserved.

C:\Users\Ganesh Dharmarajan>npm -g install @uipath/cli
changed 1 package in 2s
C:\Users\Ganesh Dharmarajan>

npm install -g @uipath/cli → changed 1 package in 2s

C:\Users\Ganesh Dharmarajan>uip --version
1.197.1

C:\Users\Ganesh Dharmarajan>uip login
✓ Select a tenant: Symprio_Orchestrator
{
  "Result": "Success",
  "Code": "Authenticated",
  "Data": {
    "UiPathUrl": "https://cloud.uipath.com",
    "UiPathOrganizationId": "fffb55c91-d1e8-4ddd-b3b6-847fea9dd24a",
    "UiPathOrganizationName": "sympnfduskj",
    "UiPathTenantName": "Symprio_Orchestrator",
    "UiPathTenantId": "d6801cd5-bba1-49ff-8c35-53e24b6344b6"
  }
}
Checking for updates.

uip version 1.197.1 → uip login → Symprio_Orchestrator ✓Authenticated

C:\Users\Ganesh Dharmarajan>uip skills install
Checking for updates.
Updating UiPath CLI tool and skills to version 1.197.x.
Update succeeded: 92 skill(s) refreshed.
{
  "Result": "Success",
  "Code": "Success",
  "Data": {
    "Path": "C:\\Users\\Ganesh Dharmarajan",
    "Skills": [
      "uipath-admin",
      "uipath-agents",
      "uipath-api-omni-flow",
      "uipath-api-omni-discovery",
      "uipath-code-mapper-builder",
      "uipath-feedback",
      "uipath-governance",
      "uipath-human-in-the-loop",
      "uipath-isp",
      "uipath-macro-bpmn"
    ]
  }
}

uip skills install → 92 skill(s) refreshed ✓

```

PART 02

Run Sample Flow

Live hands-on coded automation session



Open Claude Code
in UiPath Studio terminal



Prompt: "Create a
Hello World workflow"

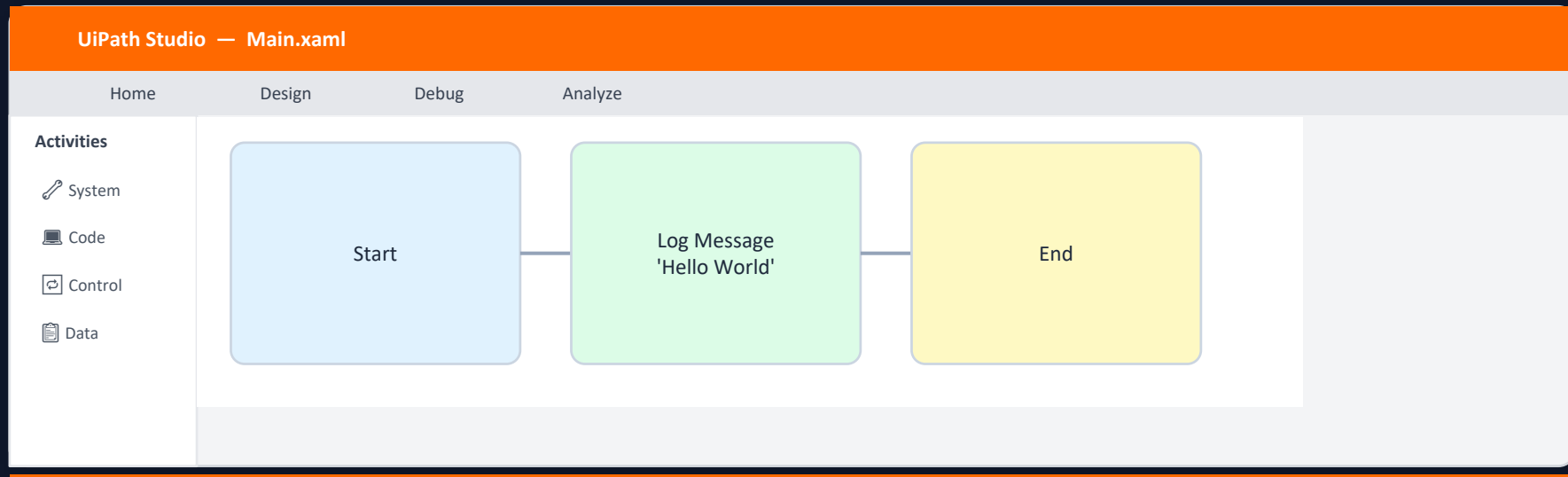


Run & verify
in UiPath Studio



The same prompt works whether you use Claude Code or Gemini CLI.

What You'll See — Claude Code in UiPath Studio



Terminal | Output | Error List

```
> Create a Hello World workflow
✓ Created Main.xaml
✓ Added Log Message activity
✓ Workflow ready to run
```

What You'll See — Hello World Workflow Running

UiPath Studio — Main.xaml

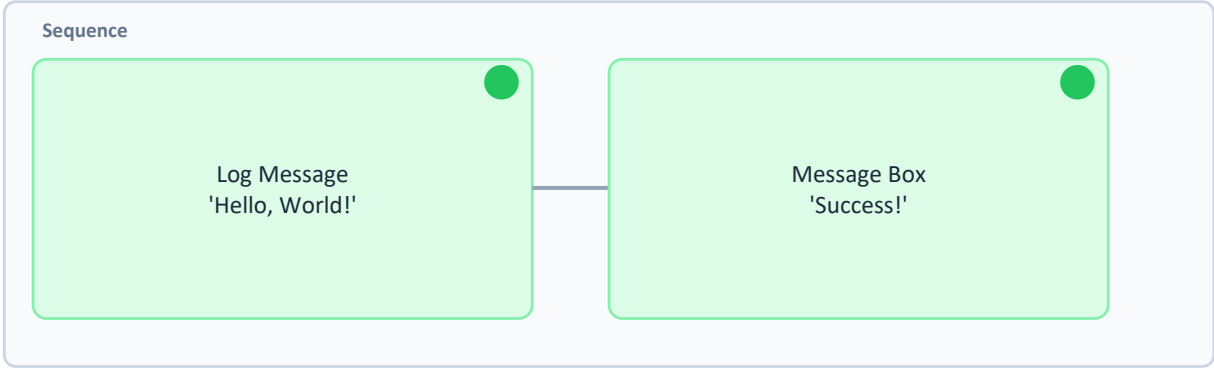
Home Design Debug Analyze

Activities

- System
- Code
- Control
- Data

Sequence

```
graph LR; A[Log Message 'Hello, World!'] --> B[Message Box 'Success!'];
```

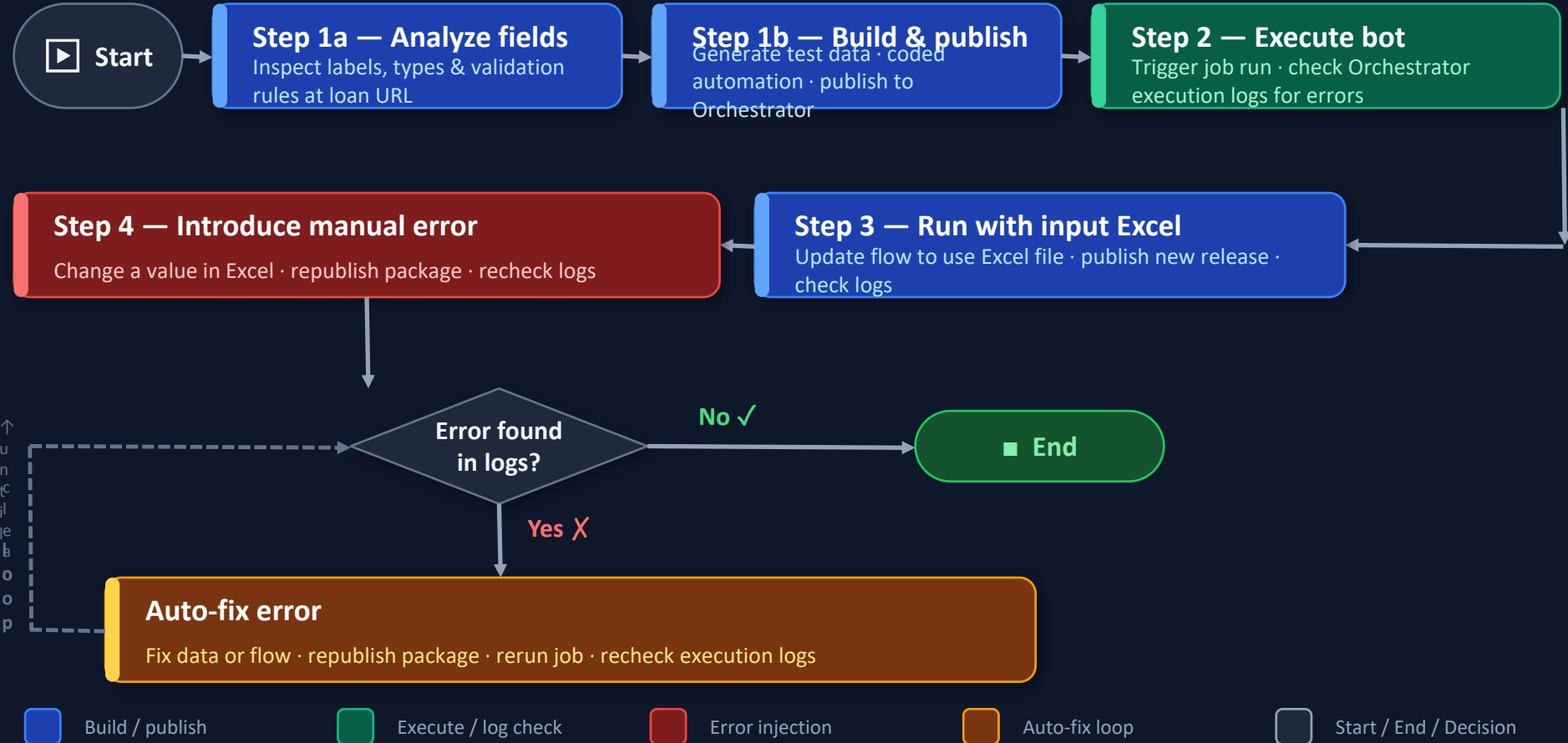


Output

```
[Info] Execution started
[Info] Hello, World!
[Info] Execution finished in 0.4s ✓ Successful
```

 Green dots = executed successfully. Check Output panel for logs.

UiPath Coded Agent — Loan Application



PROMPT 1 OF 4

Capture fields and build the sequence

Navigate to <https://uibank.uipath.com/loans/apply> and dynamically capture all form fields (labels, selectors, data types, required/optional, validation rules).

Register the fields in the Object Repository and build a complete flow in Main.xaml that fills and submits the form using placeholder test values.

Validate the XAML has no errors, then run it locally to confirm it works end to end.



PROMPT 2 OF 4

Publish and confirm via Orchestrator

Publish the working package to Orchestrator, then start a job from Orchestrator (not just a local run) to confirm it executes successfully there.

Return the job status and any errors.



PROMPT 3 OF 4

Rebuild as dispatcher/performer with Excel-driven queue

Restructure the flow into a Dispatcher/Performer design: the dispatcher reads applicant data from InputSample.xlsx and creates a queue item per row; the performer dequeues each item and runs the loan application flow using that data.

In the performer, wrap the transaction processing in a try/catch. On any exception, log and print the full error message (including the queue item reference) BEFORE the queue item retry logic is applied. Set the item status (Success / Failed) accordingly after logging.

Test locally, publish to Orchestrator, and run it. Return the results.



PROMPT 4 OF 4

Verify and monitor

Trigger a new job run for the current package from Orchestrator. Once it completes, check the latest run's execution logs and return the status.

If any error occurred, return the exact error message here.

Reference link :- <https://github.com/uiopath/skills>



PART 03 · Use Case Discussion

Real-world automation scenarios you can build with UiPath + AI Coding Agents

Document Processing

Extract data from PDFs, invoices, or forms and write to Excel / database automatically.

Email Automation

Read, classify, and respond to emails based on content — triggered by natural language rules.

Web Scraping

Navigate websites, extract structured data, and store results — all from a prompt.

Report Generation

Pull data from multiple sources, consolidate, and auto-generate formatted reports.

System Integration

Bridge legacy apps with modern APIs — no manual scripting needed.

Your Use Case

Bring your own process challenge — we'll discuss how to automate it live!

Tips for Writing Better Prompts

01

Be Specific

✓ "Create a workflow that reads PDFs from C:\Input, extracts the invoice total, and writes it to Column B of report.xlsx"

✗ "Read some files and save data"

02

Describe the Output

✓ "Save results to C:\Output\report.xlsx with columns: FileName, Total, Date"

✗ "Save it somewhere"

03

Iterate with Follow-ups

✓ "Now add error handling — if the file is missing, log a warning and skip"

✗ Starting over with a completely new prompt

04

Name UiPath Activities

✓ "Use the Read PDF Text activity, assign output to a String variable named invoiceText"

✗ "Read the PDF somehow"

Troubleshooting Common Issues



'claude' is not recognized as a command



Run `npm install -g @anthropic-ai/claude-code` again. Ensure Node.js 18+ is installed and npm global bin is in your PATH.



Authentication failed / Browser doesn't open



Try: `claude --logout` then `claude` again. Ensure you have an active Claude Pro subscription at claude.ai.



UiPath MCP tools not loading



Run: `uipath install-skills` after installing Claude Code. Restart Claude Code and check `uipath --version`.



Gemini CLI: 'uipath tools not found'



Verify `~/gemini/settings.json` exists with valid `mcpServers` config. Check Python virtual env is activated.



Workflow runs but no output in UiPath



Check Output panel at bottom of Studio. Ensure Log Message has a message defined. Try Debug mode.

Key Takeaways



AI-Native Automation

Natural language replaces scripts — describe what you want and Claude Code builds it.



MCP is the Bridge

Claude Code and Gemini CLI both connect to UiPath Studio seamlessly via MCP.



Free Option Available

Gemini CLI is 100% free — 1,000 req/day. No credit card, just a Google account.



Start Simple, Scale Fast

Hello World today → production-grade coded workflows tomorrow.

 Kahoot Time!



Get Ready to Play!

IT'S QUIZ TIME — PHONES OUT!



JOIN AT

kahoot.it



TOPIC

UiPath AI



MODE

Live!



Top 3 Winners Get a Prize!  1st ·  2nd ·  3rd

 **GENERATE QUIZ QUESTIONS**

Game PIN will appear on screen

We'd Love Your Feedback!

Takes less than 2 minutes — your thoughts shape our next workshop

UiPath Coded Agent Workshop – Feedback Form



Scan to Share Feedback

How was the workshop?



Content: Was it useful?

Pace: Too fast / too slow?

Hands-on: Enough practice time?



Group Photo Time!

Let's capture this moment together! 📸



Line up!

Everyone gather
in front



Say Cheese!

"Build With Code"



Tag us!

#buildwithcode
#symprio Official Insta id :-
@symprio_my