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UiPath Foundations

Build Real-World Automations in 2 Days

FA-0448 · 2 Days

Data & Analytics · Automation, RPA & Power Platform

Introduction

Let's face it – we're all drowning in repetitive tasks that eat up our time and energy. That's where UiPath comes in. It's like having a digital assistant that never gets tired, never makes mistakes, and can handle all those mundane jobs you'd rather not do.

This two-day course gets you up to speed with UiPath's automation tools. You'll learn how to build workflows that actually work in the real world, not just in textbook examples. Our instructor has been in the automation game for thirty years, so you'll get insights from someone who's seen it all – the good, the bad, and the "why didn't anyone tell me this before?"

By the end, you'll know your way around UiPath Studio and Orchestrator well enough to start automating processes that will make your colleagues wonder how you suddenly became so efficient. We focus on practical, enterprise-level solutions because that's what you'll actually use when you get back to work.

Learning outcomes

By the end of this course, you'll be able to:

- Navigate and configure UiPath Studio and Orchestrator
- Design end-to-end automations for desktop, web, Excel, email, and PDFs
- Use variables, control flows, selectors, and debugging tools effectively
- Handle exceptions and apply best practices for maintainable workflows

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Prerequisites

- Familiarity with basic programming constructs (e.g., variables, loops, conditional logic)

- Experience with Windows OS, and optionally .NET/VB/C# or scripting languages
- Microsoft Office (Excel and Outlook) installed

Training outline

1. A. UiPath Platform & RPA Foundations

- Overview of RPA and UiPath ecosystem (Studio, Robots, Orchestrator)
- Navigating UiPath Academy and certification roadmap

2. B. UiPath Studio Essentials

- Components: Designer, Properties Pane, Activities Panel
- Workflow types: Sequence, Flowchart, State Machine
- Variables, Arguments, and Data Types
- Control Structures: If, Switch, Loops, Parallel

3. C. UI & Data Automation

- Recording and Screen Scraping
- Selectors: customization, reliability techniques
- Data Tables and Databases: filtering, bulk operations
- Excel and Email Automation: Read/Write, Outlook integration

4. D. Structured Debugging & Error Handling

- Debugging features: Breakpoints, Watch, Logs
- Exception Handling: Try/Catch, Retry scope, Finally
- Best Practices for maintainability and scalability

5. E. Advanced Workflow Concepts

- PDF and Document Processing
- Introduction to Intelligent Automation (document understanding, AI center)
- Queue usage and transaction management
- Orchestrator fundamentals: deployment, scheduling, monitoring

6. F. Hands-On Project: End-to-End Automation

- Scenario design: invoice processing with Excel, email parsing, PDF interaction
- Building the workflow: implementing selectors, loops, exception handling
- Publishing solution to Orchestrator
- Testing, monitoring, and improvements

7. G. Deployment & Best Practices

- Deployment strategies: testing, release, and production
- Governance and version control
- Performance optimizations and clean-up routines
- UI design best practices and project documentation

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