

UiPath Automation Developer Associate Training (ADAv1)

Course Description:

If you want to contribute to building a better business world through developing enterprise automation projects, the UiPath Automation Developer Associate Training plan is for you! This comprehensive training equips you with the foundational knowledge and practical skills necessary to independently design and develop simple automation solutions or collaborate productively within an automation team. The learning plan covers all essential UiPath Studio concepts—from variables and data manipulation to UI automation, error handling, testing, project organization, and integration with Orchestrator—preparing you for real-world project delivery and the UiPath Certified Professional Automation Developer Associate exam (ADAv1).

Audience Profile:

- Aspiring Automation Developers
- Individuals seeking their first UiPath certification
- New professionals or students entering the field of robotic process automation (RPA)
- Team members supporting automation projects
- Professionals looking to validate their skills as a foundation for advanced roles, such as Solution Architect or Automation Architect

Prerequisite:

- No prior UiPath certification required
- Basic computer literacy is recommended

Course Objective:

- Build and manage automation projects with UiPath Studio
- Manipulate data using variables, arguments, lists, dictionaries, and DataTables
- Automate UI and Excel processes
- Implement synchronization and selectors for robust automation
- Apply debugging, error, and exception handling techniques
- Work with files, folders, emails, and PDFs

- Utilize Orchestrator for automation management
- Understand version control, project organization, and RPA testing
- Prepare for the UiPath Certified Professional Automation Developer Associate (ADAv1) certification

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- 1. Explore Automation Development with UiPath**
 - Introduction to automation and UiPath
- 2. Build Your First Automation Process with Studio**
 - Creating, publishing, and running basic automations
- 3. Variables, Constants and Arguments in Studio**
 - Managing data flow between activities and workflows
- 4. Control Flow in Studio**
 - Implementing core principles of control flow for automation
- 5. Excel Automation with the Modern Experience in Studio**
 - Working with Excel files and DataTable activities
- 6. User Interface (UI) Automation with Modern Design in Studio**
 - Utilizing modern UI automation capabilities
- 7. Data Manipulation with Strings, Lists, and Dictionaries in Studio**
 - Advanced data handling techniques
- 8. UI Automation Synchronization with Studio**
 - Ensuring stability in UI automations
- 9. UI Automation Descriptors and Selectors in Studio Deep Dive**
 - Detailed selector management
- 10. Debugging, Error, and Exception Handling in Studio**
 - Troubleshooting and robust automation practices
- 11. Working with Local Files, Folders, and Email Automation**

- Handling file I/O and automating email processes

12. PDF Automation in Studio

- Automating data extraction from PDFs

13. Data Manipulation with Data Tables in Studio

- Managing large datasets

14. Introduction to Logging in Studio

- Implementing logging for automation solutions

15. Orchestrator Overview for Automation Developers

- Using Orchestrator for automation orchestration

16. Working with Orchestrator Resources as an Automation Developer

- Managing assets, queues, and resources

17. Object Repository in Studio

- Reusing UI descriptors across projects

18. UiPath Integration Service Overview

- Integrating with external services

19. Version Control Systems Integration in Studio

- Collaborating and maintaining code with version control

20. Workflow Analyzer in Studio

- Ensuring best practices and code quality

21. RPA Testing with Studio

- Verifying automation reliability

22. Project Organization in Studio

- Structuring and maintaining automation projects

23. UiPath Automation Implementation Methodology Fundamentals

- Understanding best practices for successful automation projects

24. Assessment and Feedback

- End-of-training assessment and feedback survey

25. Completion and Diploma

- Course completion steps and credential attainment