

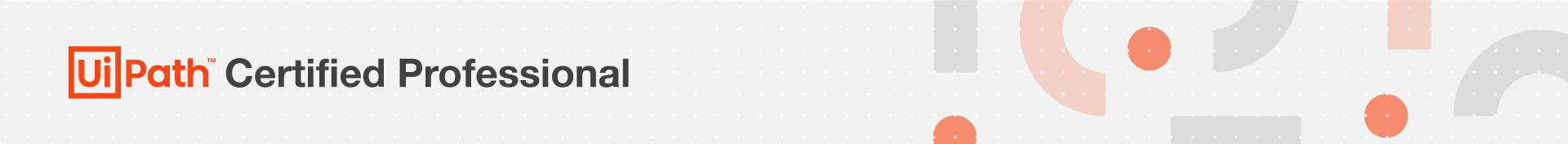
**UiPath- ADAv1**

**UiPath Automation Developer**

**Associate v1.0**

**Exam Description Document**

V1.0 Sept 2023 Page 1 of 9



**INTRODUCTION**  **3**

**TARGET AUDIENCE**  **3**

Minimally Qualified Candidate 4

**PRODUCTS**  **4**

**EXAM DOMAINS/EXAM SECTIONS**  **4**

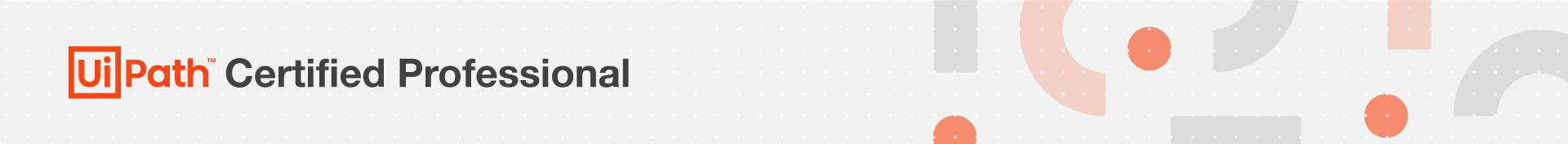
**EXAM TOPICS**  **5**

Business Knowledge   
Platform Knowledge   
Studio Interface   
Variables and Arguments   
Control Flow   
Debugging   
Exception Handling   
Logging   
UI Automation   
Object Repository   
Excel Automation   
Email Automation   
PDF Automation   
Working with Files and Folders   
Data Manipulation   
Version Control Integration   
Libraries and Templates   
Workflow Analyzer   
Implementation Methodology   
RPA Testing   
Orchestrator   
Integration Service

5   
5   
5   
5   
5   
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6   
6   
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6   
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6   
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7   
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| **ENVIRONMENTS, APPLICATIONS, AND/OR TOOLS** | Page 2 of 9 | **7** |
| **RECOMMENDED TRAINING AND HANDS-ON EXPERIENCE** | **8** |
| Recommended Exam Preparation | 9 |
| **EXAM DETAILS** | **9** |
| V1.0 Sept 2023 |



**IMPORTANT ALERT**

We are continuously monitoring Internet activities for any signs of cheating or misguided information.

We are aware that there are a large number of websites who are **selling fake exams** and charging

substantial prices for them. We will take immediate action if we find that the real exams have been

compromised. **Please do not spend money or rely on such cheat sites.**

**Introduction**

UiPath Certified Professional Automation Developer Associate is expected to be able to (1)

independently design and develop simple Automation solutions or (2) be a productive member of an

automation team led by an experienced Automation Developer responsible for developing complex

solutions using UiPath technologies.

This exam assesses knowledge and skills related to problem solving, process identification, and

building simple automation solutions with UiPath platform components such as UiPath Studio,

Robots, and Orchestrator.

The UiPath Certified Professional Automation Developer Associate is the first step for professionals

who want to build and assess their knowledge and skills towards their journey to become an

Advanced Automation Developer, Solution Architect or Automation Architect.

**Target Audience**

The target audience for the Automation Developer Associate v1.0 Exam include all technical and

semi-technical roles such as:

• Junior Automation Developers

• Automation Developers

• Solution Architects

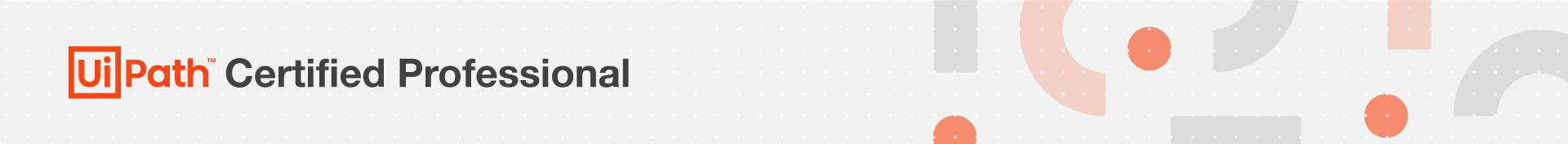
• Business Analysts

• System Administrators

• College/University Students and/or Graduates

• UiPath and Partner Employees in roles such as Pre-Sales, Services, Support, etc.

V1.0 Sept 2023 Page 3 of 9



**Minimally Qualified Candidate**

The Minimally Qualified Candidate (MQC) is an individual with the following:

|  |  |
| --- | --- |
| • | The MQC has taken and completed UiPath Automation Developer Associate training from UiPath, its authorized partners, Academic Alliance institutions or other sources which satisfy learning for subjects being tested |

- OR -

• 3 – 6 months’ Automation hands-on experience

**Products**

Products covered on the exam include:

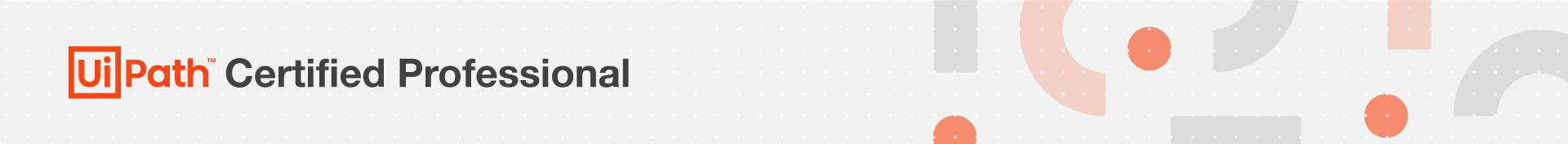
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| • • • | UiPath Studio version 2022.10  UiPath Robots version 2022.10  UiPath Orchestrator version 2022.10 |

Exam questions are based on Modern Design Experience.

**Exam Domains/Exam Sections**

The Automation Developer Associate v1.0 Exam contains the following exam sections:

|  |  |  |
| --- | --- | --- |
| • • • • • • • • | Business Knowledge  Platform Knowledge  Studio Interface  Variables and Arguments  Control Flow  Debugging  Exception Handling  Logging | Page 4 of 9 |
| • | UI Automation |
| • • • • • | Object Repository  Excel Automation  Email Automation  PDF Automation  Working with Files and Folders |
| • • • • • • • | Data Manipulation  Version Control Integration Libraries and Templates  Workflow Analyzer  Implementation Methodology Orchestrator  Integration Service |
| V1.0 Sept 2023 | |



**Exam Topics**

Tasks performed by the Minimally Qualified Candidate:

**Business Knowledge**

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| • • | Describe what business process automation is and what value it brings. Identify and describe key concepts related to business processes. |

**Platform Knowledge**

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| • • • | List and describe high level the use of UiPath products (Including Studio Types, Robot Types, Orchestrator, Integration Service).  Describe the value of the components of the UiPath Ecosystem (Community, Academy, Forum, Documentation, Marketplace).  Explain the difference between Attended and Unattended processes. |

**Studio Interface**

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| • • | Describe the different variable types, how they are used, managed, and the best practice for using the variable scope  Describe the functions and differences between variables and arguments; including how arguments are used, managed, and best practices |

**Variables and Arguments**

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| • • • • • | Explain what data types are and how they are used.  Create, manage and use variables.  Create, manage and use In, Out and In/Out arguments.  Create, manage and use global constants and variables.  Explain the difference between variables, arguments, global constants and global variables. |

**Control Flow**

|  |  |
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| •  • • • | Describe the functionality of the Control Flow activities (for example: If, Switch, While, Do While, For Each, etc.) and workflow types  Use Sequence and Flowchart layouts in projects.  Use the IF, Flow Decision, Else If activities in projects and the Vb.Net If Operator. Use the For Each, While, Do While and Switch activities. |

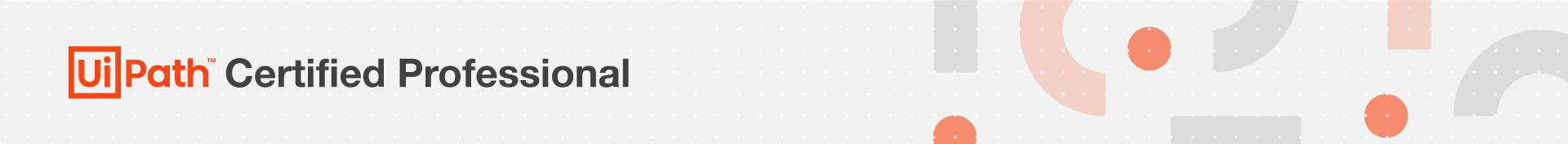
**Debugging**

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| • • • • | Use debug modes, debug actions and the debug ribbon option to debug a file or the entire project.  Use simple and conditional breakpoints and simple and conditional trace points. Describe and use all debugging panels.  Use the Profile Execution feature to improve execution performance. |

**Exception Handling**

• Use Try Catch, Throw, Rethrow and Retry Scope.

V1.0 Sept 2023 Page 5 of 9



**Logging**

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| • • | Describe and interpret robot execution logs.  Apply logging best practices during development. |

**UI Automation**

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| •  • • • • • | Explain how UI Automation works and switch between the modern and classic design experiences.  Use the Modern Recorder to create UI Automation.  Use Modern UI Automation Input Activities and Input Methods.  Use Modern UI Automation Output Activities and Output Methods.  Use UI Synchronization with activities available in the Modern Design Experience. Evaluate and configure static and dynamic Descriptors. |

**Object Repository**

• Create, publish, and consume a UI Library with static and dynamic descriptors.

**Excel Automation**

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| • •  • | Explain how Excel Automation works.  Use the modern Excel Integration activities like Excel Process Scope, For Each Excel Row, Use Excel File, Remove Duplicates, Copy/Paste Range, Insert Column, VLookup, Write Cell, Create Pivot Table and Insert Chart.  Use the Excel Workbook activities like Read Range Workbook, Write Range Workbook, Get Cell Workbook, Write Cell Workbook, Append Range Workbook. |

**Email Automation**

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| • • • | Get IMAP and POP3 Emails and send SMTP Mail Messages. Get, Send and Manage Microsoft and Gmail Integration Emails. Use Microsoft 365 and Gsuite packages. |

**PDF Automation**

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| • • | Extract data from native and scanned PDF.  Extract a single piece of data from a single and multiple native PDFs. |

**Working with Files and Folders**

• Create, manage, and iterate through local files and folders.

**Data Manipulation**

• Use VB.Net methods to perform string manipulation: Trim, ToLower, ToUpper, StringConcat,

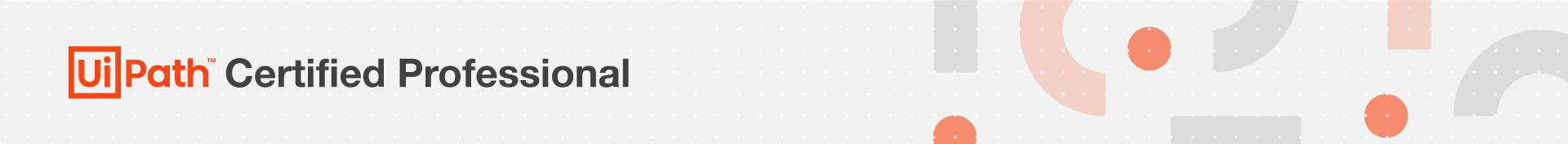
Contains, String, Format, IndexOf, LastIdexOf, String.Join, Replace, Split, Substring.

• Use the RegEx Builder for string manipulation.

• Initialize an Array variable, iterate through an array, reference elements, replace them and

convert arrays of type string to string.

V1.0 Sept 2023 Page 6 of 9



|  |  |
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| •  • • • • | Initialize a List type, iterate through it and use Studio activities to add, remove and modify the elements of the collection.  Explain what the difference is between the Array type and the List type.  Initialize a dictionary, add key-value pairs, remove keys and retrieve values. Use UiPath activities to build, filter, join, merge and iterate through DataTables. Perform conversions between the data types. |

**Version Control Integration**

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| • | Use the Studio Git integration to add a project, clone a repository, commit, push, use show changes and solve conflicts and create and manage branches. |

**Libraries and Templates**

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| • • | Create, publish, and consume a process library. Create, share, and access a template. |

**Workflow Analyzer**

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| • • | Use Workflow Analysis and Validation at file and project level. Configure Workflow Analyzer settings. |

**Implementation Methodology**

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| • • • | Describe the project implementation stages. Interpret PDDs and SDDs.  Perform automation project peer review. |

**Orchestrator**

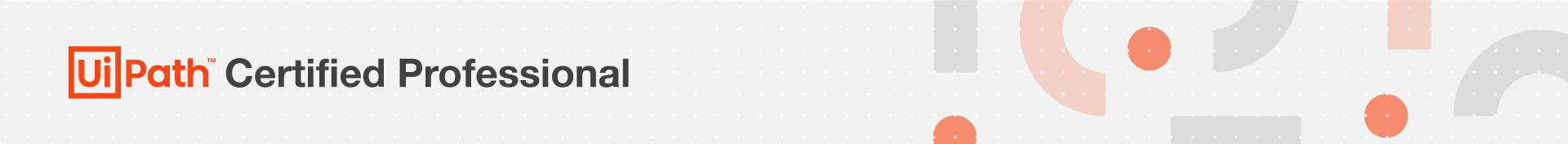
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| •  •  • • • • | Describe Orchestrator Entities (Robot, Folder, Package, Process, Job, Heartbeat), Tenant Entities (User, Machine, License, Webhook, Alerts) and Folder Entities (Assets, Storage Buckets, Queues, Triggers, Credential Stores)  Use Tenant Entities (User, Machine, License) and Folder Entities (Assets, Storage Buckets, Queues)  Provision Robots.  Use Personal Workspaces.  Define Roles and Permissions.  Use Orchestrator Logging features. |

**Integration Service**

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| • • • | Explain what Integration Service is.  Use Integration Service Connectors and Triggers in an automation project. Explain what the Integration Service Connector Builder is. |

**Environments, Applications, and/or Tools**   
The Minimally Qualified Candidate (MQC) should be comfortable working with the following environments, applications, and/or tools:

V1.0 Sept 2023 Page 7 of 9



|  |  |
| --- | --- |
| • • • • • • • • | Microsoft Windows  UiPath Studio  UiPath Orchestrator  Virtual environments (VMs)  Browser (IE, Chrome, etc.)  Version Control  MS Office and/or MS Office Suite  Notepad++ (or any other text editor) |

**Recommended Training and Hands-on Experience**

The following represents the recommended learning path the Minimally Qualified Candidate (MQC) can take to prepare for the UiPath Certified Professional Automation Developer Associate v1.0 Exam:

**Training Options:**

|  |  |
| --- | --- |
| • • • | [Automation Developer Associate Training](https://academy.uipath.com/learning-plans/automation-developer-associate-training) is a comprehensive online  training for you t[o](https://academy.uipath.com/learning-plans/automation-business-analyst-foundation) [prepare for the Associate exam at no cost](https://academy.uipath.com/learning-plans/automation-developer-associate-training) [t](https://academy.uipath.com/learning-plans/automation-business-analyst-foundation)o you.  [Automa](https://docs.uipath.com/)[tion Business Analyst Foundation](https://academy.uipath.com/learning-plans/automation-business-analyst-foundation)  <https://docs.uipath.com/> |

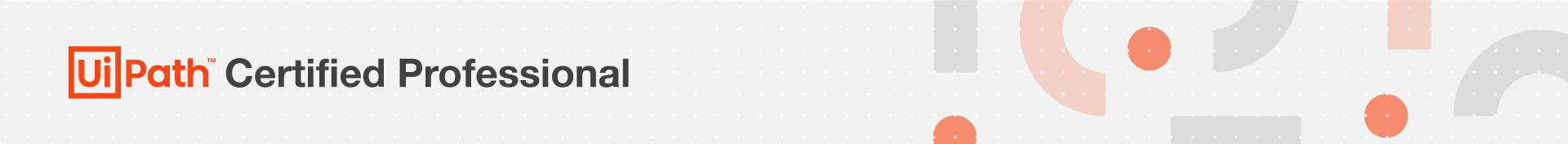
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|  |  |
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| • | Other training or self-learning sources that cover the subjects listed in this document to prepare for the exam. |

**Hands-on Experience:**

1. Developing an attended process (i.e., workflow)   
2. Developing an unattended process (i.e., workflow)   
3. Proof of Concept – creating and/or demonstrating   
4. Experience resolving application changes and/or code changes 5. Peer code reviews

V1.0 Sept 2023 Page 8 of 9



**Recommended Exam Preparation**   
In addition to the recommended learning path, the practice test is an additional study tool to prepare for the UiPath Certified Professional Automation Developer Associate v1.0 Exam:   
 • [Automation Developer Associate v1.0 Practice Test](https://uipath.onlinetests.app/assess.aspx?aid=UIPATH-ADAV1-PT&apass=uippassword)

**Exam Details**

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| --- | --- |
| **Certification Tracks** | UiPath Certified Professional - Developer Track |
| **Credential** | UiPath Certified Professional Automation Developer Associate v1.0 |
| **Valid Period** | 3 years |
| **Exam Number and Exam Title** | UiPath-ADAv1 - UiPath Automation Developer Associate v1.0 Exam |
| **Pre-requisite Exam(s) and/or Certification(s)** | None. Some Hands-on experiences with UiPath Studio are recommended. |
| **Exam Duration** | 90 minutes |
| **Passing Score** | 70% |
| **Exam Fee** | $150.00 |

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V1.0 Sept 2023 Page 9 of 9