UiPath

AGENTIC AUTOMATION

Software Testing Engineer Professional

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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 Software Testing Engineer Professional Certification is expected to have an extensive knowledge and skills in independently build or lead production level end-to-end testing workflow using UiPath Test Manager, UiPath Studio, UiPath Robots, and UiPath Orchestrator.

Software Testing Engineer Professional Certification demonstrates mastery in developing AI-powered, data-driven test automation solutions. It is ideal for professionals in roles such as Software Testers, Automation Developers, Test Engineers, Test Specialists, Test Managers, and others responsible for ensuring software quality and reliability.

Target Audience

The target audience for the UiPath Software Testing Engineer Professional Exam includes:

- Technical roles requiring Testing expertise such as Software Testers, Test Developer/Engineers/Specialist, Test Manager, QA Engineer, QA/Test Analyst, Test Architect, Process Architects, etc.

Minimally Qualified Candidate

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

- 6+ months experience as a Software Tester/QA Engineer
- Knowledge on applying testing best practice
- Equivalent skills and knowledge gained from taking the Introduction to Automation, Automation Explorer Learning Plan, and Automation Developer Associate Training on UiPath Academy
- Technically proficient and possesses the knowledge/skills to work independently

Products

Products covered on the exam include:

- UiPath Test Manager 2024.10
- UiPath Studio version 2024.10
- UiPath Test Robots version 2024.10
- UiPath Orchestrator version 2024.10

Exam questions are based on Modern Design Experience.

Exam Domains/Exam Sections

The Software Testing Engineer Professional Exam contains the following exam sections:

- UiPath Test Suite Architecture and API Integrations
- API testing
- UiPath Studio - Testing Panels, Activities, and Templates
- Test Automation Best Practices
- UiPath Studio - Data-driven Testing
- UiPath Test Suite – Orchestrator
- UiPath Robot
- UiPath Test Manager
- CI/CD Implementation
- Autopilot for Testing

Exam Topics

Tasks performed by the Minimally Qualified Candidate:

UiPath Test Suite Architecture and API Integrations

- Differentiate between the most common types of testing methodologies
- Describe the UiPath Test Suite capabilities and components
- Describe how to integrate with 3rd party ALMs

API testing

- Differentiate between the types of API testing
- How to use Integration service

UiPath Studio - Testing Panels, Activities, and Templates

- Differentiate between types of Studio projects
- Effectively import, create, publish and convert test cases in UiPath Studio.
- Explain the Test Explorer panel, its purpose, components, and execution options.
- Describe the Test Automation Framework and its usage
- Describe what Test Case Templates are, types of templates, and how to manage them.
- Describe what Execution Templates are, how they work, and how to use them.
- Coded Automation in the context of testing
- Effectively use verification activities in the testing pack
- Connect to the Test Manager from the UiPath Studio project.
- Explain mobile testing capabilities

Test Automation Best Practices

- Describe Workflow Analyzer rules for application testing
- Apply Testing Best Practices

UiPath Studio - Data-driven Testing

- Manage test data to perform data-driven testing for test cases that contain data variation.
- Effectively use activities to generate random test data
- Create data-driven test cases by adding test data queue items through activities or as a data source to test cases.
- Describe the management of dynamic test data
- Describe all the sources of adding test data to a data driven test case.

UiPath Test Suite – Orchestrator

- Effectively use Test Schedule to schedule text execution in UiPath Orchestrator.
- Define what test data queues are in UiPath Orchestrator, and how to manage them.

UiPath Robot

- Describe what testing robots are.
- Differentiate between the different way robots can be connected to UiPath Orchestrator.
- Explain how test cases can be executed using the Automation Cloud robots.

UiPath Test Manager

- List the user actions that can be performed via the UiPath Test Manager.
- Explain user and group access management in UiPath Test Manager.
- Effectively use custom fields in UiPath Test Manager to define project-specific attributes and categorize or prioritize requirements, test sets and test cases, and use labels as a data type on custom field.
- Describe best practices and considerations for importing and exporting projects in UiPath Test Manager.
- Explain when it is recommended to use manual testing and the parameters that can be configured for manual steps in UiPath Test Manager.
- Describe how manual steps for a test case can be documented using UiPath Task Capture.
- Differentiate between ways to assign test cases to Test Sets in UiPath Test Manager.
- Explain the process of executing a Test Set in UiPath Test Manager.
- Differentiate between different test execution options in UiPath Test Manager and how each type of execution is performed.
    - Describe pending and mixed execution for test cases.
    - Describe when and where to use the Enforced execution order.
- Describe the Test Planning features - assignment of test cases and scheduling.
- Describe the pre-conditions and post-conditions for manual test cases.
- Describe steps and best practices to re-execute test executions in UiPath Test Manager.
- Explain best practices to analyze the test results in UiPath Test Manager.
- Propose solutions for a scenario where reporting shows low score on critical KPIs.
- Describe how to create a defect for a failed test case.
- Troubleshoot UiPath Test Manager errors.
- Describe Test Object Export.

- Explain and use filtering and customizable views.
- Explain and use Orchestrator folder and package version selection for executing test sets.
- Describe the Export to PDF feature for test execution.
- Describe the selection of automation for test cases.
- Effectively use Test Schedule to schedule test execution in UiPath Test Manager.

CI/CD Implementation

- Describe the concept of CI/CD.
- CI/CD best practices.
- Explain the process of implementing CI/CD pipelines.
- List the tasks that can be executed from the UiPath command-line interface (CLI) while creating a CI/CD pipeline.

Autopilot for Testing

- Studio - Generate Test Data with Autopilot, generate tests (low-code, coded), generate expressions, generate sequences, generate code.
- Test Manager - Generate test design, Analytics with Autopilot for Testers, Search project in natural language with Autopilot, Import manual test cases with Autopilot.
- Describe the Prompt library and its usage.

Environments, Applications, and/or Tools

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

- Microsoft Excel
- Microsoft Office Suite (e.g., Exchange and Outlook)
- JSON and XML
- Virtual Machines (VMs)
- ERPs
- Browsers (IE, Chrome, etc.)
- Web page elements (e.g., HTML)
- Version Control
- UiPath Studio and UiPath Studio – Robotic Enterprise Framework
- UiPath Orchestrator
- UiPath Robots

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 Software Testing Engineer Professional Exam:

Training Options:

- Software Testing Engineer Training

- AND –

- https://docs.uipath.com/

- OR -

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

Hands-on Experience:

1. Involved in end-to-end test planning, execution and analysis
2. Create UiPath test automation scripts
3. Providing test maintenance and support
4. Creating and running manual tests
5. Debugging and fixing test automation defects
6. Adding test cases to existing automation test sets
7. Analyzing test results and creating bugs

Recommended Exam Preparation

In addition to the recommended learning path, the practice test is an additional study tool to prepare for the UiPath Software Testing Engineer Professional Exam.

- Software Testing Engineer Professional Practice Test

Exam Details

Certification Track	UiPath Certified Professional – Software Testing
Credential	UiPath Certified Professional Software Testing Engineer Professional
Valid Period	3 years
Exam Number and Exam Title	UiPath-STEPv1 - UiPath Software Testing Engineer Professional Exam
Pre-requisite Exam(s) and/or Certification(s)	There is no prerequisite for this certification.
Exam Duration	120 minutes
Passing Score	70%
Exam Fee	$150

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