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COURSE: Agile software tools and practices

# Assignment

**Title: Study and use UIpath test suite**

**Aim :** Study and use UIPath Test Suite for your mini project choosen in assignemnt 1

# Methodology:

**To study and use UiPath Test Suite for a mini project. STEPS:**

1. Install UiPath Test Suite : Once you have familiarized yourself with the Test Suite, you need to install it on your computer. You can download it from UiPath's website and follow the installation instructions.
2. Create a new project : After installing UiPath Test Suite, create a new project and select the appropriate template for your mini project. You can choose from a variety of templates, including web, desktop, and mobile.
3. Create test cases : Once you have created your project, you can start creating test cases. Test cases are a set of steps that you want to automate and test in your application. You can use UiPath Test Studio to create these test cases, and you can also use its recording feature to record your actions and create test cases automatically.
4. Run tests : After creating your test cases, you can run them to check if they work as expected. UiPath Test Manager allows you to schedule and execute your tests automatically, and it also provides you with detailed reports about the test results.
5. Analyze results : After running your tests, you can analyze the results to identify any issues or bugs in your application. UiPath Test Manager provides you with detailed reports that show you the status of your tests, including which tests passed and which ones failed.

By following these steps, you can use UiPath Test Suite to automate and test your mini project, which can help you improve the quality and reliability of your application.

# Theory:

**What is UiPath?**

**UiPath** is a robotic process automation platform for end-to-end high-scale automation. UiPath software offers solutions for enterprises to automate repetitive office tasks for rapid business transformation. It converts boring tasks into automation process using multiple tools. It was founded by Romanian entrepreneur Daniel Dines in the year 2005.

# Products of UiPath

UiPath studio is available with three different product suite:

# UiPath Studio

It allows us to plan any automation processes visually with the help of different diagrams. Each diagram represents a certain type of work to perform.

# UiPath Robot

Once you are done with the designing of processes in the studio, you need to execute the processes built in Studio. Robots will pick those steps and run without human direction in any environment. It can also work when human triggers the process.

# UiPath Orchestrator

This tool is a web-based application. It helps you to deploy, schedule, monitor, manage robots & processes. It is a centralized platform for all the robots to manage.

# Features of UiPath

Now in this UiPath tutorial, we will learn about important features of UiPath:

1. **Hosting Options:** It can be hosted in cloud environments or virtual terminals.
2. **Application Compatibility:** Offers a high range of applications to work with, which includes web and desktop applications.
3. **Centralized repository:** This feature helps for handling all the robots simultaneously by users.
4. **Security:** Offers auto login features to run the bots
5. **Advanced screen scraping solution:** Scraping solution that works with any application like,.Net, Java, Flash, PDF, Legacy, SAP, with absolute accuracy.
6. **Reliable tool for modeling business processes:** The UiPath studio offers automation excellence with the help of model business processes.

# Level of scalability and Robustness:

* + Effective debugging and exception handling mechanisms
  + Artificial intelligence handling day to day applications like outlooks excel, PDF

**Conclusion :** UiPath Test Suite is a powerful and comprehensive testing tool that offers a wide range of capabilities for software testing.