Best Practices for UiPath

1.Give suitable Name and Description while creating New Process.

2.Change display name, add annotation for each activity.

3.Add the log message: Logs tell what and when an exception occurred, what happened and happening in the process.

4.Use meaningful names to create the variables. Variables must always be named using the "ThisIsCamelCase" format and choose the scope for each variable. It's better to add annotations for variables.

5.Use meaning full names to create the arguments. Include the argument direction as the prefix of the argument name.

6.Avoid hard coding in all the external settings like URLs, FilePaths because these settings are prone to changes.

7.Once the process is complete, close the applications, windows and web pages.

8.Makes it possible to develop and test the various parts separately.

9.Implement sequences within the Try / Catch blocks that allow you to restore the workflow.

10.Consider using ReFramework if you are using Orchestrator-queues.

11.Use a Sequence when you are using UI Automation as the actions get executed sequentially.

12.Remove unused dependencies from the through the Dependency Manager.

13.Clean up all the unused variables from the solution using the Remove Unused Variables option.

14.Use the Workflow Analyzer to build your design rules it consists of multiple rules. which you can configure according to your best practices followed.

15.Use of Retry Scope activity to retry a particular set of activities based on the availability of a specific UI element.

16.Do not overload a workflow file with many actions; break it into multiple workflows and use Invoke Workflow activities to invoke them from a central control workflow when necessary.

17.Suppose you are working with transactional data (data records that do not depend on one another) with different states. In that case, it is probably best to work with the Robotic Enterprise Framework (RE Framework).

18. All the activities which contain ContinueOnError option in property is always uncheck. When this property is set to True, all error that occur during the execution of the activity are ignored.

19. Always keep all the password in assets and always use secure string data type for passwords and never ever print password in log activity.

20. In projects, if there are unnecessary activities it's better to disable the activity solution is right click on activity and select disable option or press Ctrl+D,for enabling press Ctrl+E.