

CONTENT OF TOSCA TEST AUTOMATION

1. **Introduction to Testing/QA**
 - What is Testing
 - Ways of testing the applications
 - Draw backs of Manual testing
 - Advantages of Automation testing

2. **What is Manual Testing?**
 - How to write Manual test case
 - How to execute Manual test case
 - How to write a Defect/Bug
 - Defect life cycle
 - What is Functional testing
 - What is Retesting
 - What is Regression testing
 - What is Smoke/Sanity testing
 - What is Agile Methodology
 - Purpose of Defect triage calls

3. **Tosca Tabs**
 - Requirements
 - Test cases
 - Testcase design
 - Modules
 - Execution
 - Issues

4. **Object Identification Process**
 - Identify by Properties.
 - Identify by Index.
 - Identify by Anchor.
 - Identify by Image.

5. **Test Configuration Parameter**
 - How to declare the TCP
 - How to call the TCP
 - TCP at Root Level
 - TCP at Folder Level
 - TCP at Testcase Level

6. **Execute the Scripts in different browsers**

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- Chrome
- Firefox
- Internet Explorer
- Edge

7. Re-Scan

- Purpose of Rescan.
- How to update the existing attributes
- How to add new attributes to the existing modules

8. Action Modes

- Input
- Verify
- Buffer
- Wait ON
- Constraint
- Select

9. Error Handling

- On Dialog Failure
- On Verification Failure

10. Recovery Scenarios

- Objective of Recovery Scenarios
- How to create Recovery Scenarios
- How to create Cleanup Scenarios

11. Synchronization Timeout

- Objective of Synchronization Timeout
- How to declare Synchronization Timeout

12. Regular Expressions

- Objective of Regular Expression
- How to Declare Regular Expression

13. Finding Length of the Strings

- String Length
- Buffer Length
- What is the Maximum Length of the String Tosca supports?

14. Decisions Controls

- If
- If Else

15. Iterations

- While loop
- Do while loop.

16. Repetitions

- Objective of Repetitions
- How to use Repetitions

17. TBox Window Operation

- Minimize the Browser.
- Maximize the Browser.
- Close the Window/Browser

18. Desktop Applications.

- What is TBox Start Program
- How to Automate Desktop Applications

19. Tosca Reports Validation

- How to download the Tosca Reports
- How to Validate the Tosca Reports

20. Different Timers

- TBox Start Timer
- Tbox Stop Timer

21. Record/Playback

- Objective of Record/Playback
- How to use Record/Playback

22. Browser operations

- How to click browser back button
- How to click browser forward button
- How to handle multiple browser tabs with same title

23. Libs (Modular Framework)

- What are Libraries
- How to Create Libraries
- How to Create Reusable Test step blocks
- How to Call Reusable Test step blocks
- How to Resolve References
- What is Business Parameter.

24. Data Driven Framework

- Objective of DDT
- How to Create Test sheet
- How to Call Test sheet in the test cases
- How to Create Template Instance
- What is Instantiation/Re-Instantiation
- How to get the data from Spreadsheet

25. Dynamic Expressions

- TIME, DATE, DATETIME, DAY, MONTH, YEAR, ADAY, AMONTH, MONTHFIRST, MONTHLAST, JUMPTO, CALC, MATH, MOUSEOVER, RND, RANDOMTEXT, Pow, Min, Max, Sqrt, Round.

26. Explicit(Static) Name in Tosca

- Purpose of Explicit Name
- How to create Explicit Name

27. Test_Cases in Tosca

- How to Create Manual Test cases in Tosca
- How to Execute Manual Test cases in Tosca

28. Exploratory Scenario in Tosca

- How to Create Exploratory Test cases in Tosca
- How to Execute Exploratory Test cases in Tosca

29. Cardinality in Tosca

- Objective of Cardinality
- How to Use Cardinality

30. Test Mandates in Tosca

- Purpose of Test Mandates
- How to create Test Mandates
- How to Execute Test Mandates

31. Mini Live Application

- How to Create Framework
- How to test End to End Scenarios in Tosca
- Interview questions Discussion

32. Multi-User Environment

- Update All
- Checkout
- Checkout Tree
- Check In All

