

Automation Course Content

1. Principles of Automation

- What is essential to test automation design?
- Why you should not write code to test code
- How to manage the three types of automation risk

2. Evaluating Your Application

- What makes automation impossible?
- What is development's role?
- Why not capture replay?
- What about scripting?
- What is a framework?
- What are framework types?

3. Defining the Application Map

- Four techniques for mapping your application
- Essential elements of a map
- Class library
- Object inventory

4. Developing the Class Action Library

- Standard classes
- Custom classes
- Standard actions
- Custom actions

5. Designing the Execution Framework

- Mega process
- Setup
- Logon
- Process(es)
- Step driver
- Actions
- Exception handler
- Test log
- Error log
- Recovery
- Logoff
- Reports
- Cleanup

6. Implementing Datasets

- Test environment data
- When to use variables
- Dynamic test data

7. Error Handling and Recovery

- Error types
- Local error handler
- Global error handler

8. Implementation Considerations

- Maintenance
- Database versus Spreadsheets
- Tool or Language