



## Overview

Continuing the path started in the first course “Quality Assurance Specialist”, QA Engineer course presents advance concepts and dives into the design aspects of QA, from data, workflow, smart testing, optimization, it also introduces data driven testing with real world examples, foundational skills for scripting and more knowledge on Automation testing.

## Courses Content – QA Specialist – Phase I

- 1. Demo – Introduction**
  - Introduction to Agileseventeen
  - What we believe in
  - A Word with the founder
  - Why this course?
  - Teaser.
- 2. QA Foundations**
  - What is quality?
  - What does the word assurance mean?
  - What is not Quality Assurance
  - Traits of a great QA
  - What a QA professional does daily
  - Different roles of a QA
  - Path to success as a QA
- 3. The Basics**
  - Who are you working with?
  - Putting it all together
  - Key concepts - Keywords
  - What is testing
  - What is not testing
  - What is planning
  - What is design
  - What is execution
- 4. Testing Master Class**
  - Purpose of testing.
  - Test Case – Test Step
  - Writing a test case
  - Real world examples and scenarios



## 5. Testing Methodologies

- Why learn a buzz word “Methodology”
- Types of Testing
- Functional Testing, what is and what is not
- Integration Testing, what is and what is not
- Regression Testing, what is and what is not
- UAT, what is and what is not
- Real world examples
- The Sherlock Holmes of testing.

## 6. Defects

- First, Reporting
- What is a defect
- Why are defects important?
- Defect Lifecycle
- How testing and defects are tied together.
- Real world examples.

## 7. Big Stuff

- Test Strategies – Test Plans
- Manual testing or Automation Testing
- Black box Vs White Box
- Quality Control VS Quality assurance
- Best Practices

## 8. Conclusion

- Q/A session
- Evaluations
- What’s Next
- Final word by Instructor
- Final word by founder



## Courses Content – QA Engineer – Phase II

1. **Demo – Introduction**
  - Introduction to Agileseventeen
  - What we believe in
  - A Word with the founder
  - Why this course?
  - Teaser.
2. **Test Design**
  - Hierarchy of test design
  - Review of test methodologies
  - Expectations from a test designer.
  - What is test data
3. **Data Driven Testing**
  - Positive or Negative Testing
  - Inner VS boundary
  - Selecting the right test data
  - Achieving optimal test coverage.
  - Test templates
4. **Everything is connected – HP ALM**
  - Traceability
  - Test cases VS use cases
  - Test Plans leads to test case leads to test execution
  - Example using HP ALM
  - Why ALM is important
  - Further demonstrations.
5. **Test Smarter not harder**
  - Optimization of your test artifacts
  - Structure testing better
  - Working with deadlines at ZERO compromise
6. **Basics of Scripting**
  - What is scripting
  - Essential scripting platforms
  - Basic Syntax
  - Logical Operators
  - Conditional statements.
  - Working with tables and SQL.
  - Technologies to consider.



**7. Automation Testing Foundation**

- Why automation testing
- What is the basic idea?
- Modular based VS code based.
- Code inspection
- Record and play
- Send KEYS
- Automation testing MISTAKEN
- Household names

**8. Advanced Levels of Testing**

- Load Testing
- Security Testing
- Database testing
- End to End Testing
- Exploratory Testing.

**9. QA Values at Work**

- Example of being Meticulous
- Example of being Proactive
- Example of being communicative
- Example of being principled
- Example of being skilled.
- Handling challenges within an organization

**10. Into the Future**

- Role in Agile
- Where the market is heading
- How can QA make an impact?

**11. Conclusion**

- Q/A session
- Evaluations
- What's Next
- Final word (Instructor & Founder)