Certified Tester Foundation Level - Agile Tester

Programă

1. Agile Software Development - 150 mins.

- The Fundamentals of Agile Software Development
  - Agile Software Development and the Agile Manifesto
  - Whole-Team Approach
  - Early and Frequent Feedback
- Aspects of Agile Approaches
  - Agile Software Development Approaches
  - Collaborative User Story Creation
  - Retrospectives
  - Continuous Integration
  - Release and Iteration Planning

2. Fundamental Agile Testing Principles, Practices, and Processes – 105 mins.

- The Differences between Testing in Traditional and Agile Approaches
  - Testing and Development Activities
  - Project Work Products
  - Test Levels
  - Testing and Configuration Management
  - Organizational Options for Independent Testing
- Status of Testing in Agile Projects
  - Communicating Test Status, Progress, and Product Quality
  - Managing Regression Risk with Evolving Manual and Automated Test Cases
- Role and Skills of a Tester in an Agile Team
  - Agile Tester Skills
  - The Role of a Tester in an Agile Team

3. Agile Testing Methods, Techniques, and Tools – 480 mins.

- Agile Testing Methods
  - Test-Driven Development, Acceptance Test-Driven Development, and Behavior-Driven
  - Development
  - The Test Pyramid
  - Testing Quadrants, Test Levels, and Testing Types
  - The Role of a Tester

- Assessing Quality Risks and Estimating Test Effort
  - Assessing Quality Risks in Agile Projects
  - Estimating Testing Effort Based on Content and Risk
- Techniques in Agile Projects
  - Acceptance Criteria, Adequate Coverage, and Other Information for Testing
  - Applying Acceptance Test-Driven Development
  - Functional and Non-Functional Black Box Test Design
  - Exploratory Testing and Agile Testing
- Tools in Agile Projects
  - Task Management and Tracking Tools
  - Communication and Information Sharing Tools
  - Software Build and Distribution Tools
  - Configuration Management Tools
  - Test Design, Implementation, and Execution Tools
  - Cloud Computing and Virtualization Tools

4. References, Standards, ISTQB Documents, Books, Agile Terminology, Other References