



Trainings

Software Testing Courses for **PSTQB**
ASSOCIAÇÃO PORTUGUESA
DE TESTES DE SOFTWARE

Agile Testing (1 or 2 days)



Course Objective

- The course will provide an overview of Agile Frameworks and the role of the tester while addressing Agile Testing at every stage of the Agile or waterfall/hybrid lifecycle, and various Agile maturity levels
- The course will help you in boosting your knowledge regarding to testing roles, required skills and latest trends for Lean/Agile Projects
- The course will help you in learning the best practices and have hands-on testing experience for successful projects

Intended Audience

- Agile Team Members, Test Engineers, QA Specialists, Business Analysts, System Analysts, Software Engineers, Test Managers, Project Managers, Enterprise Architects

Course Outline

Agile Software Development

- Agile Manifesto
- Agile Methodologies (Scrum, XP, Kanban, SAFe etc.) and DevOps
- Comparison of Agile and Traditional Models (Agile vs Sequential Models)
- Scrum Framework (Artifacts, Roles and Meetings)

Agile Test Methods, Techniques and Tools

- Test Role in Agile Projects
- Test Levels and Types
- Story, Task and Acceptance Criteria
- Test-Driven Development, Acceptance Test-Driven Development, Behavior-Driven Development
- Risk Based Testing & Effort Estimation for Agile

- Release ve Sprint Management
- Testing Quadrant, Testing Tools Overview
- Principles, Best Practices ve Realities

Agile Engineering Practices & Activities

- Coaching the Team & Management
- Test and Defect Management
- Collaboration Tools
- Configuration and Release Management
- Continuous Integration / Delivery / DevOps
- Test Automation in Continuous Integration (aka Delivery Pipeline)
- Performance Tests and Static Code Analysis
- Cloud Integration
- Industrial Practices

User Experience Testing & Usability (1 or 2 days)



Course Objective

- Improving Usability Testing in Global Standards with interactive and practical methods.
- Latest Usability test techniques, methodologies in the courses with sample applications that provide you opportunity to gain skills and practical information.

Intended Audience

- Test Engineers, Usability Experts, Business Analysts, System Analysts, Programmers, Web Designers, Project Managers, Enterprise Architecture Specialists, Software Architects

Course Outline

Introduction to UX and Usability

- What is User Experience and Usability?
- What is Usability Testing? When to do the usability testing?
- Formative Usability Testing
- Summative Usability Testing

User Experience Testing Methods and Techniques

- Heuristic Inspection (Expert Review)
- User Experience Checklist
- User Observation
- Identifying Users, User profiling, Persona identification
- Choosing the right users, Mental models
- Selection of users
- Phone interview, Field study, User Incentives
- Test Tasks Preparation, User task analysis

- User Observation Scenarios, Use cases
- Exploratory Tasks, Directed Tasks

Reporting and Test Environment Setup

- Reporting
- Analysis of results
- Quantitative Analysis
- Qualitative Analysis
- Prioritization of results
- Reporting
- Improvement suggestions
- Formal and informal laboratories (In the Lab vs In the Wild Testing)
- Moderated tests
- Tests without Moderation
- Remote Testing

Test Management (1 or 2 days)

Course Objective

- Setting quality goals for the organization, Assessing organizational capabilities, Performing quality risk analysis, Using requirements documents and specifications
- Creating and following test plans, Writing and tracking test cases and suites, Presenting difficult information to management
- Managing bugs reports, Using people resources effectively, Planning and Deciding on Test automation and Tool selection

Intended Audience

- Test Managers, Test Leads, Test Engineers, Agile Team Members, QA Specialists, Project Managers, Business Analysts, System Analysts, Software Engineers

Course Outline

Test Management

- Test Documentation, Test Policy, Master Test Plan
- Risk Identification, Analysis, Mitigation
- FMEA, PRISMA Methods
- Managing test product risks
- Test Estimation Techniques
- Test Scheduling, Test implementation & execution
- Evaluating exit criteria and reporting
- Test Sourcing and Organization Models
- Distributed, Outsourced and Insourced Testing
- Lean, Staff, Project Organization Models
- Centralized Models and Testing Center of Excellence (TCoE)

Test Techniques and Methodologies

- Static Testing and The Principles of Reviews

- Success Factors for Reviews
- Static Testing Techniques (Audit, Inspection, Walkthrough, Peer Review)
- Test Process Improvement
- Test Assessment Frameworks (TMMi, TPI, TaF etc.)
- Business Value of Testing
- Performance Indicators & Test Metrics
- Test Automation Decision
- Test Tool Selection Guideline and Strategy

People and Skills

- Individual skills
- Test team dynamics
- Fitting Test Team into an Organization
- Motivation & Communication Factors



Thank You

    /TesterYouHQ