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Program szkolenia:

Strategie testowania i utrzymywania wysokiej jakości

Informacje:

Nazwa:	**Strategie testowania i utrzymywania wysokiej jakości**
Kod:	**QA-strategy**
Kategoria:	Testowanie dla QA
Odbiorcy:	testerzy, developerzy
Czas trwania:	3 dni
Forma:	50% wykłady / 50% warsztaty

The course will explain how different factors can influence the strategy of testing. The course will explain how to suit up the strategy for a project.

The second goal of training is meant to have common understanding of what testing means. It is often observed that people even with bigger experience in testing applications have a different perspective what qa is, which may lead to different testing standards in team.

Zalety szkolenia:

- Strategic approach
- Metrics
- Tools and best practices

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Szczegółowy program:

1. Introduction to testing

- 1.1. What is testing?
- 1.2. What is QA?
- 1.3. What is QA...not?
- 1.4. QA Roles in project
  - 1.4.1. Tester
    - 1.4.1.1. Can a tester be a Business Analyst?
  - 1.4.2. Defect Manager and Quality Manager - Big and small projects
  - 1.4.3. The Enemy of the Tester - Developer
- 1.5. Cooperation with non QA people - One Team
- 1.6. When testing is done?
  - 1.6.1. Exit criterions
- 1.7. Testing for better Software
- 1.8. Testing Documents
  - 1.8.1. Testing strategy
  - 1.8.2. Testing policy
- 1.9. Testware
- 1.10. Environment

2. Levels of testing - based on V Model

- 2.1. Unit Testing
- 2.2. Integration Testing
- 2.3. System Testing
- 2.4. Acceptance Testing

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2.5. System Integration Testing

3. Types of testing - based on Agile Quadrants

3.1. Test Pyramid examples

4. Defect Management - can it influence the quality strategy?

4.1. What is a defect?

4.2. Cost of a defect

4.3. Herding of the defects

4.4. Defect Lifecycle

4.4.1. Basic statuses

4.4.2. Standard

4.4.3. Optional cases statuses

4.4.4. Acceptance Testing with internal confirmation statuses

4.5. A Perfect Defect Report

4.5.1. Severity vs Priority

4.5.2. Steps to reproduce

4.5.3. Expected result

4.5.4. Other fields

4.6. Defect Issues and special cases

4.6.1. Defect Ping-pong in Integration and Acceptance testing

4.6.2. Never to be solved low defects

4.6.3. Testability of application vs Defects (?)

4.6.4. Specification Defects? Gaps?

4.6.5. Test Case Defects?

4.6.6. Who creates a defect?

4.6.7. Repairing a defect without analysis

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- 7.3. Manual Case vs Automated Test - should be the same?
- 7.4. Granularity - Level of details in steps
- 7.5. Number of steps in scenario
- 7.6. Expected Result
- 7.7. Can test be a specification?

8. Execution of testing

- 8.1. Bottom2up
- 8.2. Up2Bottom

9. Requirement Based Testing

10. Risk Based Testing

11. Test Automation

- 11.1. Advantages of automation
  - 11.1.1. Regression of automation
- 11.2. Disadvantages
  - 11.2.1. Cost of automation
  - 11.2.2. Maintenance
- 11.3. Continuous Integration

12. Other QA Topics

- 12.1. Estimation in testing
  - 12.1.1. Small changes in code, big effort to test
  - 12.1.2. Big changes in code, hardly nothing to test
  - 12.1.3. Risks, and increasing effort
- 12.2. Reviews (Optional)
  - 12.2.1. Spec Reviews
  - 12.2.2. Code Reviews

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12.2.3. Test Case Review