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Management; 1.6.6. Profession; 1.6.7. Colleagues; 1.6.8. Self; 1.7. Synopsis of this chapter; 1.8. Sample exam questions; Chapter 2. Testing Throughout the Software Life Cycle; 2.1. Software development models (FL 2.1); 2.1.1. Sequential models; 2.1.2. Iterative models (FL 2.1.2); 2.1.3. Incremental model; 2.1.4. RAD; 2.1.5. Agile models; 2.1.6. Selection of a development model 2.1.7. Positioning tests 2.2. Test levels (FL 2.2); 2.2.1. Component level testing or component tests; 2.2.2. Integration level testing or Integration tests; 2.2.3. System tests; 2.2.4. Acceptance tests; 2.2.5. Other levels; 2.3. Types of tests (FL 2.3); 2.3.1. Functional tests; 2.3.2. Non-functional tests; 2.3.3. Tests based on the structure or architecture of the software; 2.3.4. Tests associated with changes; 2.3.5. Comparisons and examples; 2.4. Test and maintenance (FL 2.4); 2.4.1. Maintenance context; 2.4.2. Evolutive maintenance; 2.4.3. Corrective maintenance 2.4.4. Retirement and replacement 2.4.5. Regression test policies; 2.4.6. SLA validation and acceptance; 2.5. Oracles; 2.5.1. Problems with oracles; 2.5.2. Sources of oracles; 2.5.3. Oracle usage; 2.6. Specific cases; 2.6.1. Performance tests; 2.6.2. Maintainability tests; 2.7. Synopsis of this chapter; 2.8. Sample exam questions; Chapter 3. Static Techniques (FL 3.0); 3.1. Static techniques and the test process (FL 3.1); 3.2. Review process (FL 3.2); 3.2.1. Types of reviews; 3.2.2. Roles and responsibilities during reviews; 3.2.3. Phases of reviews; 3.2.4. Success factors for reviews 3.2.5. Comparison of the types of reviews

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## Sommario/riassunto

The testing market is growing at a fast pace and ISTQB certifications are being increasingly requested, with more than 180,000 persons currently certified throughout the world. The ISTQB Foundations level syllabus was updated in 2011, and this book provides detailed course study material including a glossary and sample questions to help adequately prepare for the certification exam. The fundamental aspects of testing are approached, as is testing in the lifecycles from Waterfall to Agile and iterative lifecycles. Static testing, such as reviews and static analysis, and their benefits a

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