

Software Testing + Web Services = Good Idea

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Web Services Overview

- Quick recap of how they work
- What technologies are used





Software Testing

- Where it came from
- Why it's used



Key Terms

- Bug
- Error
- Fault
- Failure
- Mistake
- Test case
- Test suite



Definitions

- Testing
- Debugging



Software Development Cycle

- Five phases
 - Requirements
 - Design
 - Implementation
 - Testing
 - Maintenance



Back to Testing

- Verification
 - In-between phases
- Validation
 - Every phase



Back to Web Services

- WS have compressed time frame
- No concrete dependencies
- No formal standards
- How to test?



Testing... again

- Basic practices
 - Functional specs
 - Reviews and inspections
 - Entry / Exit criteria
 - Multi-platform testing
 - Beta builds
 - Automated test execution
 - Frequent 'nightly' builds



Two more testing methods

- Whitebox
 - Tester knows the entire system
- Blackbox
 - Tester knows nothing but output

Questions?

