









Data Driven GUI Test Architectures

- GUIs have to do with the user supplying inputs in order that the . system can create its response. For some systems we can exhaustively list all the possible input
- attributes (e.g. a diary: date, time slot, entry, + lots of configuration attributes). Build a data driven tester where we envisage a test suite as a
- table where each row represents a test and each column is a particular input variable.
- By placing a value v in row i and column j this means that for test i we want to set attribute j to the specified value. For each column, j, of the table there is a script that controls the GUI so that attribute j gets set to the value in that table entry.

Software Testing: Lecture 12

The test executor, executes test i by successively setting attribute 1, 2, 3, ...

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11

7



- Hans Buwalda, Automated testing with Action Words: Abandoning Record & Playback
- Elisabeth Hendrickson, The Difference between Test Automation Failure and Success
- Mark Fewster & Dorothy Graham, Software Test Automation
- Linda Hayes, The Automated Testing Handbook Doug Hoffman, Test Automation course notes
- Cem Kaner, Avoiding Shelfware: A Manager's View of Automated GUI Testing Cem Kaner, Architectures of Test Automation John Kent, Advanced Automated Testing Architectures
- Bret Pettichord, Success with Test Automation Bret Pettichord, Seven Steps to Test Automation Success
- Keith Zambelich, Totally Data-Driven Automated Testing

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Common mistakes in GUI test automation

- Don't spend so much time and effort on regression testing.
 Don't stop asking what bugs you aren't finding while you automate tests.
- 11. Don't use capture/replay to create tests.
- 12. Don't write isolated scripts in your spare time.
- 13. Don't assume your test tool's code is reliable or unlikely to change.
- 14. Don't put up with bugs and bad support for the test tool.
- 15. Don't "forget" to document your work.
- 16. Don't fail to treat this as a genuine programming project.

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13