



GizmoSDK

*Programmers Manual for the **GizmoTest** Toolkit*

WORKING DRAFT

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1 GENERAL

1.1 What is GizmoTest?

GizmoTest is a software testing toolkit. The purpose is to provide developers with a solid framework for *automatic software unit testing* in a cross-platform environment.

Efficient testing is one of the keys to success in software development project.

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Testing has at least two audiences; developers and customer.

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Efficient unit testing should be automatic and give a clear pass or fail result. GizmoTest provide both.

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For developers testing is also about learning...

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2 GIZMOTEST OVERVIEW

2.1 Architecture

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2.2 Components

2.2.1 Tools

- **gzTestTool** is a tool running automatic tests from a simple a GUI.
- **gzTestExec** is the console version of gzTestTool.

2.2.2 Libraries

- **gzTest** is a library containing an API for creating test modules to be executed from the test tools.
- **gzTestRTMI** is optionally used by gzTestExec for reporting test results to Rational Test Manager (RTMI = Rational Test Manager Interface).

3 GIZMOTEST DETAILS

3.1 Tools

3.1.1 gzTestTool

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3.1.2 gzTestExec

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3.2 Modules

3.2.1 gzTestModule

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3.3 GizmoBase features

3.3.1 Memory debugging

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3.3.2 Performance monitoring

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4 TUTORIALS

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5 FAQ

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6 LINKS

<http://www.gizmosdk.com>

The GizmoSDK web site.

7 BOOKS

Extreme Programming Explained: Embrace Change

Kent Beck

Addison-Wesley Pub Co; 1st edition (October 5, 1999)

ISBN 0201616416

Test-Driven Development: By Example

Kent Beck

Addison-Wesley Professional; 1st edition (November 8, 2002)

ISBN 0321146530

Refactoring: Improving the Design of Existing Code

Martin Fowler, Kent Beck, John Brant, William Opdyke, Don Roberts

Addison-Wesley Pub Co; 1st edition (June 28, 1999)

ISBN 0201485672