

# Vulnerability Test Suite Visualization

Project Presentation  
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## Why current tool is unacceptable:

The screenshot shows a complex tree view of test cases. A callout box labeled 'Test Case with Verdict' points to a specific node in the tree, and another callout labeled 'Test Case Run Details' points to a detailed view of a test case execution. The interface is cluttered and difficult to navigate.

<http://www.testingtech.de/products/ITSuite-SIP/index.html>      Shahed and Christian's

## Where Is It From:

- *Testing Technologies IST GmbH*
- Founded in September 2000 (headquarters in Berlin)
- Focused on tools for the new TTCN-3 testing method
- Offers:
  - Tools for the graphic definition, compilation and implementation of TTCN-3
  - Test service provider:
    - Test concept planning and specification
    - Test implementation

<http://www.testingtech.de/company/customerfirst.html>

Shahed and Christian's

## Proposed Solution:

The proposed solution interface is more user-friendly. It features a clear tree view on the left, a control panel on the right, and a 'Global Stats' section at the bottom. The layout is clean and easy to navigate.

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## Our Contributions:

The diagram illustrates the architecture of the proposed solution. It shows a central 'Core TreeMap Library' (with a link to <http://treemap.sourceforge.net/>) connected to several engines: 'Focus+Context\_Engine', 'Dyna\_Update\_Engine', 'Parsing\_Engine', 'GUI\_Engine', and 'Stats\_Engine'. The 'Parsing\_Engine' is connected to 'Test Case Run Details', and the 'GUI\_Engine' and 'Stats\_Engine' are connected to 'User Settings', 'Local', and 'Global' settings.

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## Our Contributions: Parsing\_Engine

This diagram focuses on the 'Parsing\_Engine' component. It shows how the 'Parsing\_Engine' interacts with the 'Core TreeMap Library' and the 'User Settings', 'Local', and 'Global' settings. The 'Parsing\_Engine' is shown as a key component in the overall architecture.

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