



# Instantiations Eclipse Tools

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Eclipse Day at the Googleplex

**Eric Clayberg**  
Software Engineering Manager

**Dan Rubel**  
Senior Software Engineer

Founded in 1997, Instantiations has been a significant contributor to the Eclipse ecosystem since its inception

- One of first IBM partners briefed on Eclipse in 1999
- Full-time Eclipse development since January 2000
- CodePro was the 1<sup>st</sup> commercial Eclipse & WSAD add-on in 2001
- Introduced WindowBuilder (SWT 2003; Swing 2004; GWT 2006)
- Eclipse Foundation member & major contributor
- Eclipse Community Award for best Commercial Add-on in 2009
- Top 100 fastest growing Oregon companies for the last five years
- SD Times 100 list of most influential software companies last three years
- Acquired by Google in August, 2010
- New Google office opened in downtown Portland

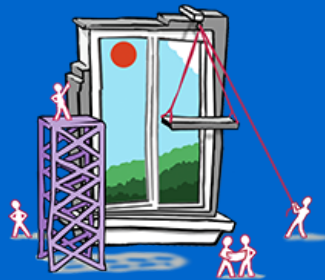
“We’re excited to announce that Instantiations is now part of Google! Yes it’s true. Instantiations’ award-winning Java and Ajax development tools and our incredible Eclipse team have been acquired by Google. We are all very excited about taking our technology and team to the next level - and there is no bigger step up than Google!”

Mike Taylor, Eric Clayberg and the entire Instantiations team

We have been active in the developer tools space for most of our careers and have worked closely together since 1994

- Introduced Smalltalk version of WindowBuilder Pro in 1993 & 1994
- Objectshare acquired by ParcPlace-Digitalk in 1996
- Co-founders of Instantiations in 1997
  - Eric: VP of Product Development
  - Dan: Chief Technology Officer
- Created award-winning VA Assist for VA Java on 2000
- Created CodePro in 2001
- Released *Eclipse: Building Commercial Quality Plug-ins* in 2004
- Released *Eclipse Plug-ins* in 2008
- Currently working on *Eclipse GEF* book (with Jaime Wren)
- Google is the 4<sup>th</sup> company in which we have worked together!





# WindowBuilder

WYSIWYG development of Java GUIs  
for SWT, Swing and GWT

## WYSIWYG development of Java GUIs for SWT, Swing and GWT

- Powerful bi-directional parser and code generator (Java and now XML)
  - Reverse engineer all generated code and most hand-written code
  - Add user code anywhere and refactor code as needed
  - Extremely flexible code generation can mimic any style
  - Single code representation – no parallel meta data files
  - Micro editing preserves all user formatting
- Internationalize any UI and switch languages on the fly
- Use Visual Inheritance to create visual component hierarchies
- Easily create new custom components and properties
- Unique graphical feedback for all layout managers
- Convert any widget into a UI Factory
- Support for SWT, RCP, JFace, Swing, GWT, GXT & SmartGWT widgets
- Support for SWT, Swing and GXT Data Binding APIs

“I noticed right away ... how clean the Java code it generated was. In fact, by studying how WindowBuilder structured its output ... I learned a lot about writing maintainable Java GUIs.”

Jason Morris  
DevX.com review

“I have yet to see another tool in this space that allows you to craft a front-end as efficiently as GWT Designer, especially the way Instantiations stays on top of the latest GWT releases..”

David H. McCoy  
Senior Software Engineer  
Navius Technologies



# CodePro AnalytiX

Automated Software Quality Tools for Code Analysis,  
Measurement and Improvement

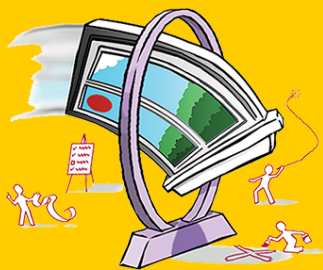


## Automated Software Quality Tools for Code Analysis, Measurement and Improvement

- Code Audit
- Code Metrics
- JUnit Test Case Generation & Editing
- Code Coverage
- Dependency Analysis
- Duplicate Code Analysis
- Dead Code Analysis
- GWT-based Management Dashboard
- ANT, Maven & Continuous Build

“Because our software is used to drive key business decisions, it's critical that we deliver high-quality software, and implementing CodePro AnalytiX has allowed us to automate the process of enforcing programming standards and best practices.”

Rich Main  
Director, Java Development Environments  
SAS



# WindowTester Pro

Automated testing of Java GUIs  
for SWT and Swing



## Automated testing of Java GUIs for SWT and Swing

- Record and playback SWT, RCP and Swing UI tests
- Generate easy-to-read and easy-to-refactor JUnit code
- Powerful API for creating tests by hand
- Use the full power of Java to customize generated tests
- Easily create data-driven tests
- Generate assertions using assertion inspector
- Use Locator Factories to build readable tests and ease writing tests by hand
- Configure the global screen capture capability to your needs

“Since we started using WindowTester, tests that took 2–3 weeks to write previously can now be done in 2–3 days.”

Steve Tocco  
Director of Quality Assurance  
BEA

# Questions?

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You know you wanna ask... 😊

Google