

green

# A Scalable Class Diagramming Tool for Eclipse

## green's goals

- be a pedagogically sound tool
- be quick to learn, easy to use
- scale to grow with students
- reflect code-diagram relationship

## Features & Functionality

Demo!

Tuesday 11:00 - 11:30  
Room R512E



Download!

green.sourceforge.net  
eclipse 3.2 → green 2.5.0  
eclipse 3.3 → green 3.0.0

zoom

XML JPG GIF

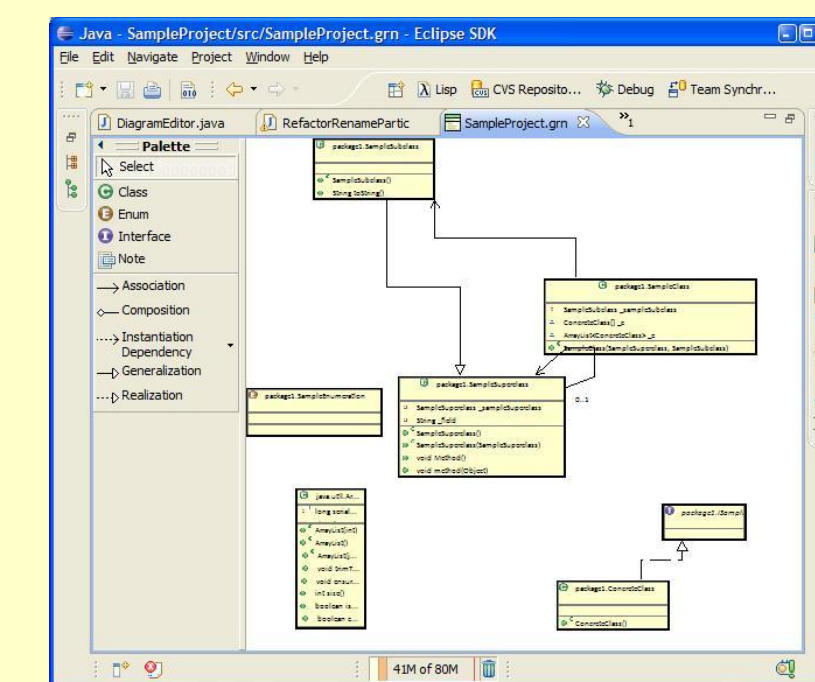
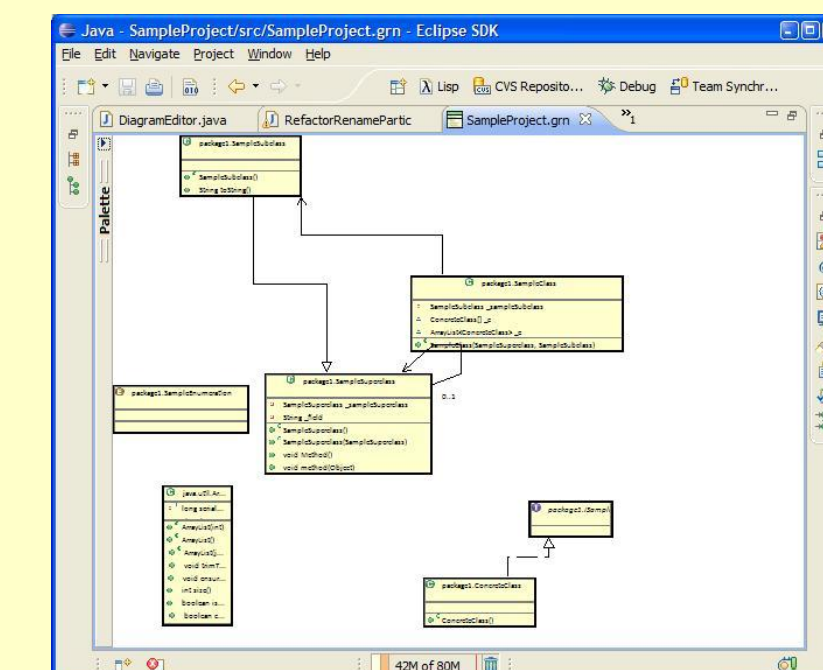
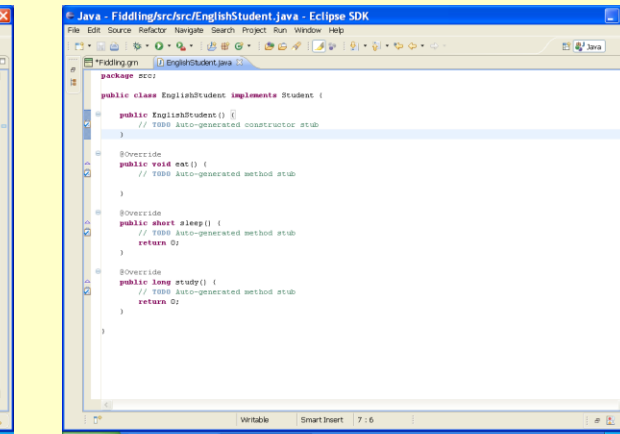
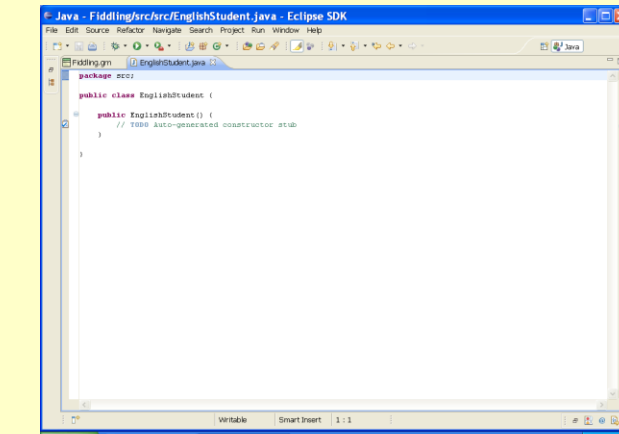
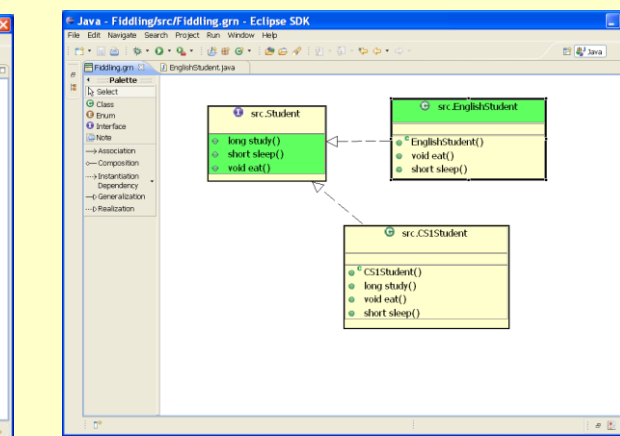
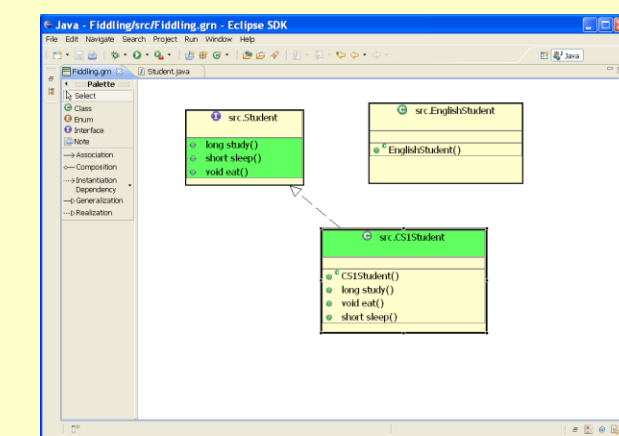
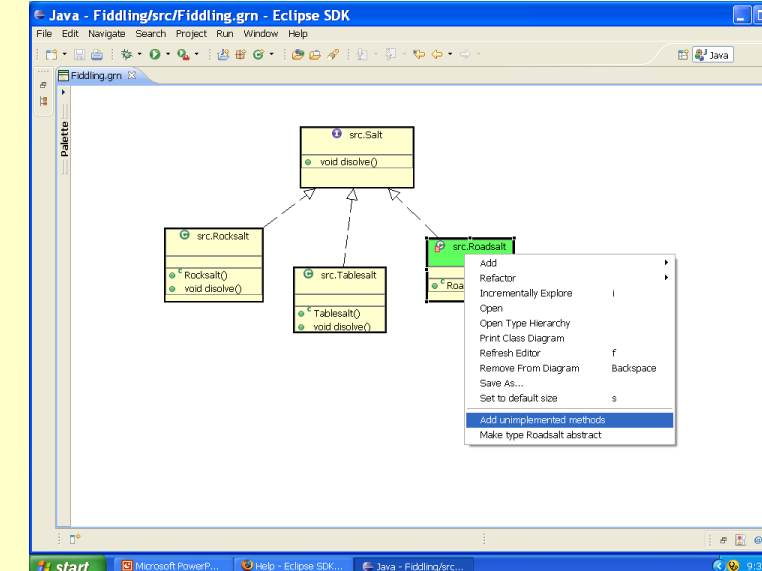
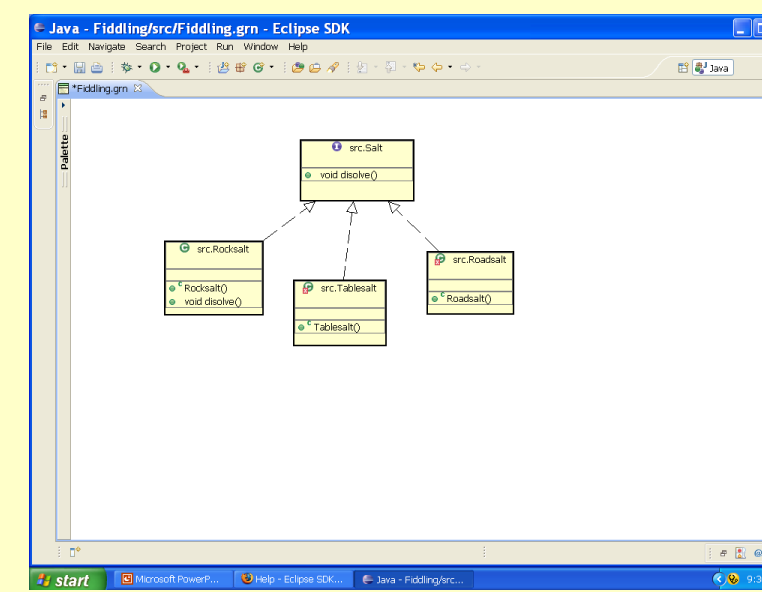
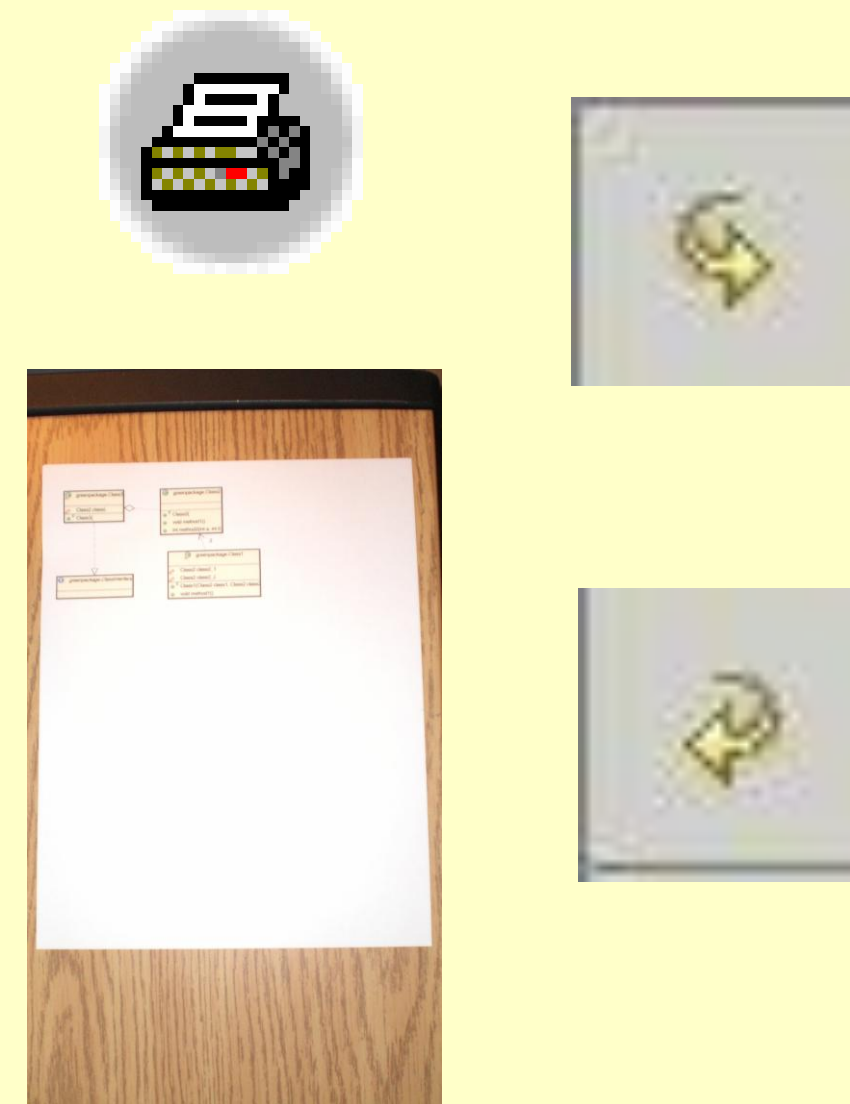
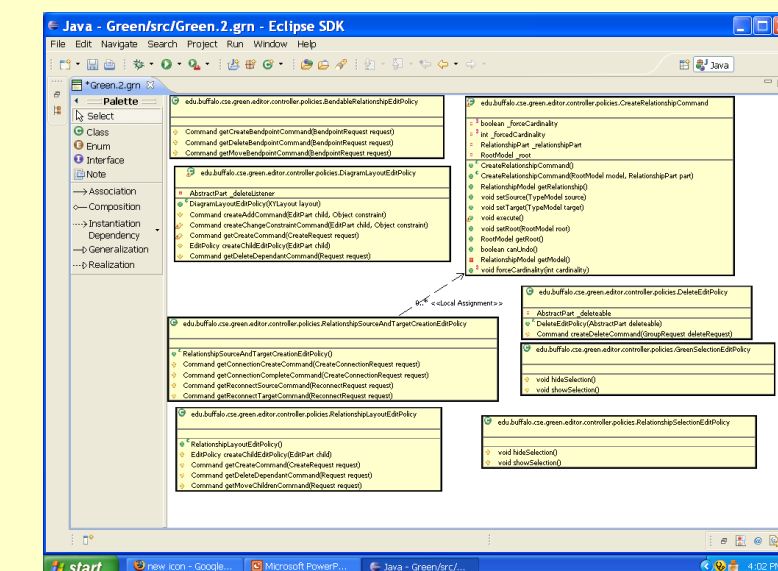
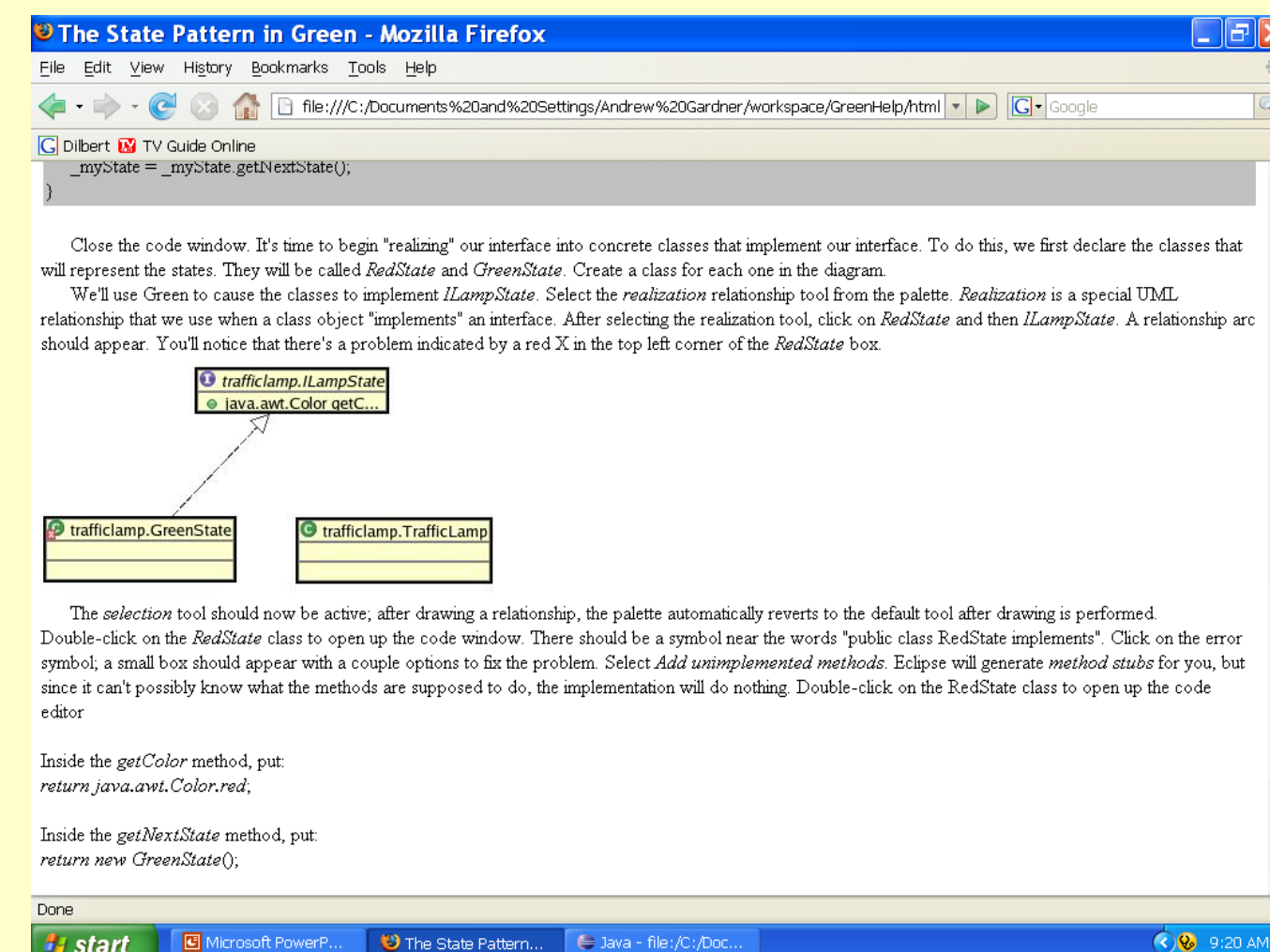
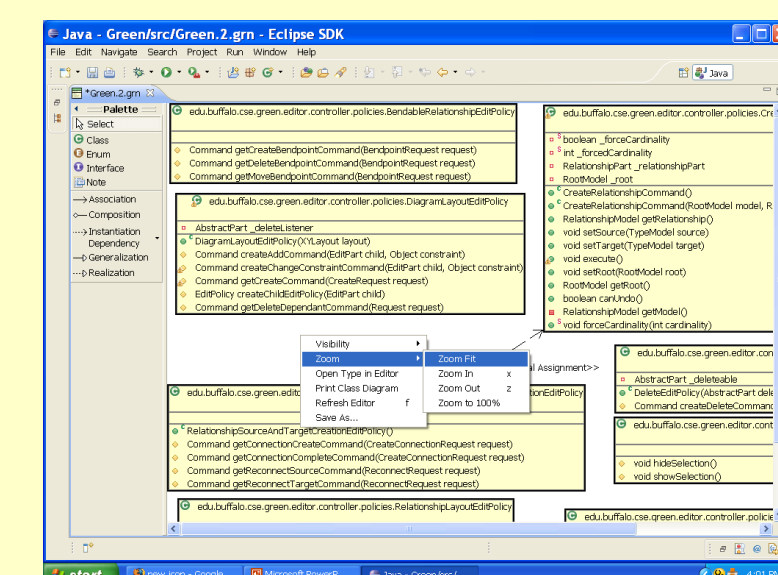
Eclipse Integration

Quick Fix

Live round-tripping

Hideable palette

Notable Bug Fixes



- ▶ 9999 cardinality bug
- ▶ notes can contain "<" and ">"
- ▶ GIF export now works
- ▶ unusual drag and drop behavior
- ▶ code generation conforms to JDT code style preferences
- ▶ menu structure cleaned up
- ▶ diagram refreshes on code editing

## Undergraduate Research

### Comparison of green with other free UML tools for Java.

	Extensible	Code->Dia	Dia ->Code	Live Round Tripping	IDE Integrated	Stand Alone	# of Diagrams Support
ArgoUML		✓	✓			✓	all
green	✓	✓	✓	✓	✓		1
UMlet	✓	✓			✓	✓	7
VioletUML		✓			✓	✓	5

### References

argouml Features. 2007. argouml project home. <http://argouml.tigris.org/features.html>  
UMlet Frequently Asked Questions. 2007. Free UML tool for Fast UML Diagrams. <http://www.umlet.com/faq.htm>  
VioletUML Editor Features. 2007. Violet UML Editor. <http://alexdp.free.fr/violetumleditor/page.php>

Provides real software engineering experience  
Closes the loop from user to developer

### Faculty Advisors



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