

green: A Software Design Tool Developed by Students for Students

green.sourceforge.net

Total number of downloads: **23,470**

Used by over **200** UB students per semester.

What is green?

green is a live round-tripping UML class diagram editor, meaning that it supports both forward and reverse engineering of Java code.

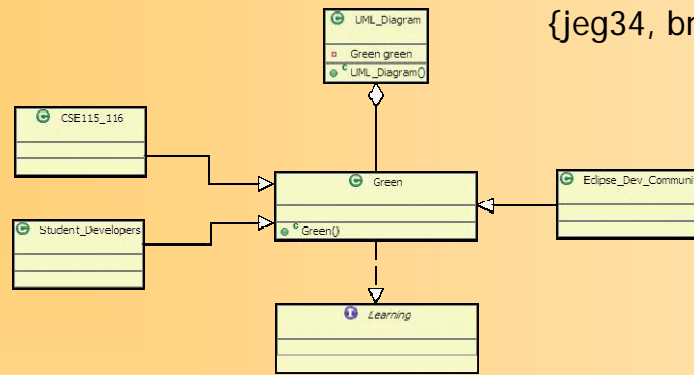
green is incorporated into the Eclipse Integrated Development Environment (IDE). When a change is made either in code or in the UML diagram, the other is notified of the change and updated accordingly.

What do CSE115/116 Students Gain?

- green allows students to view their programs from the high level design perspective and detailed code perspective.
- green allows the students to focus less on coding and more on good program design.
- green provides CSE115/116 students a design experience using a tool appropriate for them.
- green grows along with the students, exposing them to new functionality as they progress through their studies.

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What do Student Developers Gain?

- Having previous CSE 115/116 students continue development of green injects student user experience into the development process.
- Provides student developers with the understanding of the pedagogical decisions that drive the design and development of green.
- Professional Environment/Experience
 - Teamwork
 - Communication with a user base of students and professional developers
 - Responding to User Needs with regard to Features and Bugs
 - Project Management Experience
 - Collaborate Development Tools
 - Unit Testing
 - Updates & Releases
 - Advertising & Promotion

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