

Alpha Presentation clUML: Browser-Based UML Editor

The Capstone Experience

Team Michigan State University CSE

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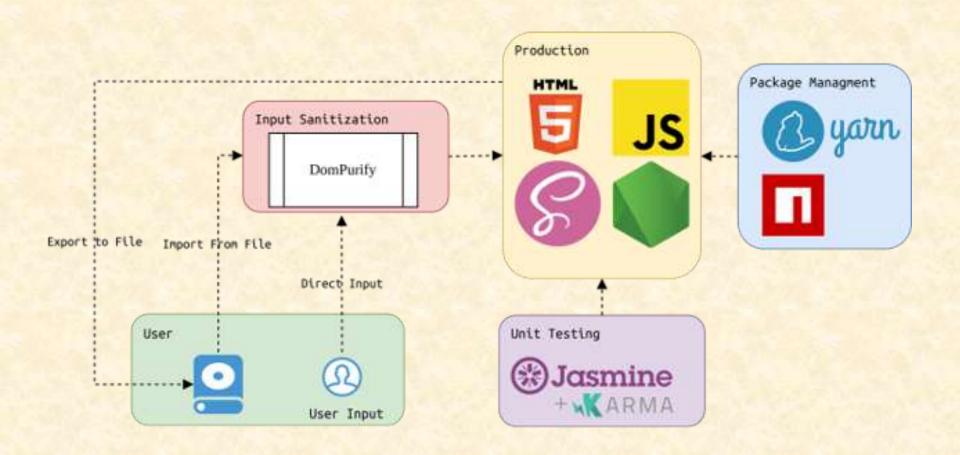
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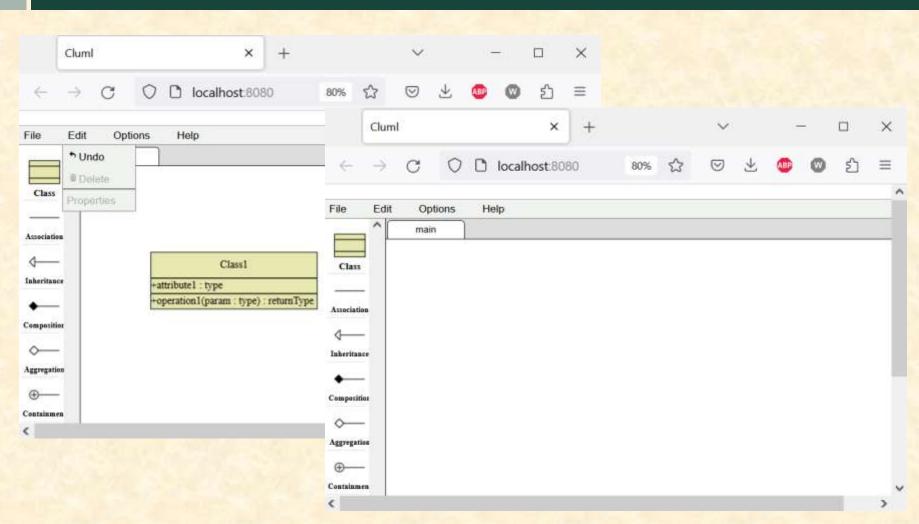
Project Overview

- An easy-to-use, web-based UML class diagram editor designed for future MSU CSE classes
- Embedded in CourseLib-based websites
- Includes sanity check for common mistakes
- Supports both mouse and touchscreen devices

System Architecture

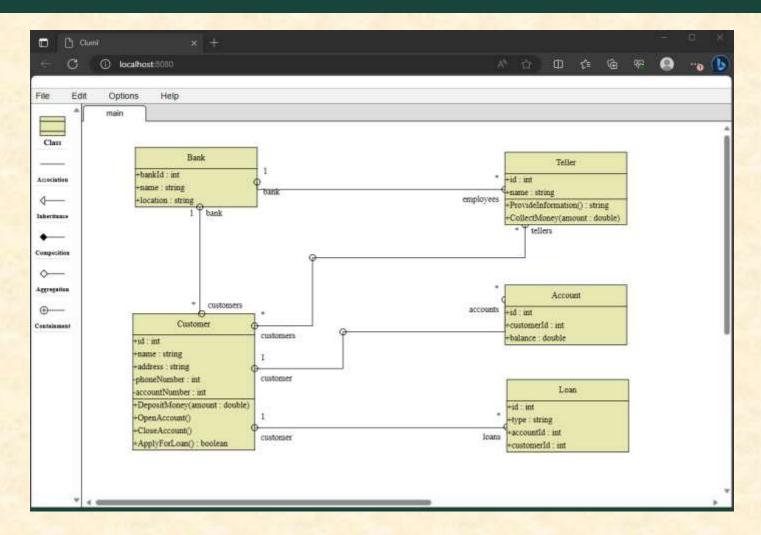


Reverting States with Undo



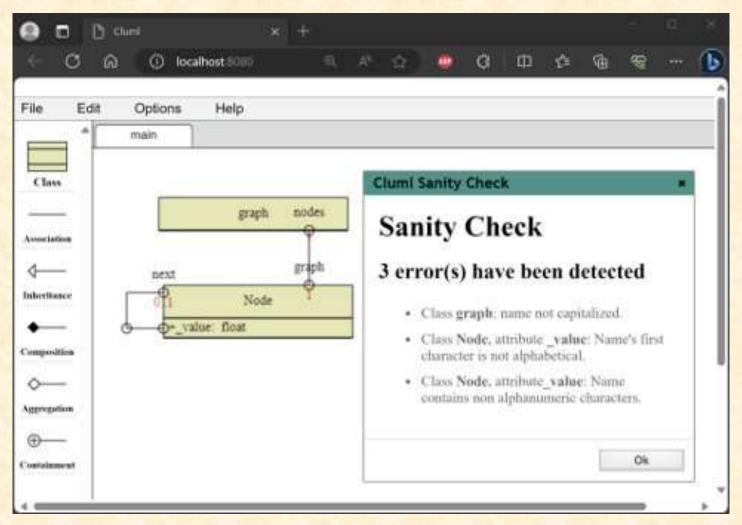


Connecting Classes Together

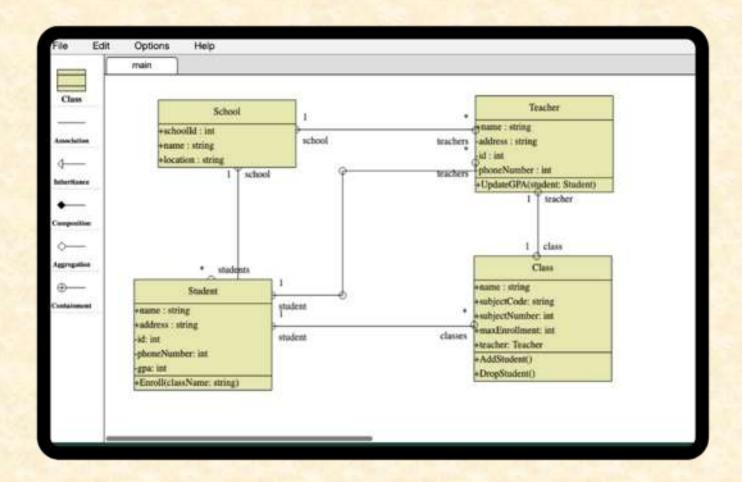




Sanity Checking



Touchscreen Support



What's left to do?

- Improve relationships (associations, compositions, etc.) functionality
- More sanity checks for upside-down inheritance, composition cycles, etc.
- Changing attributes/operations visibility/abstraction
- Continue support for undo, importing, and exporting

Questions?

