Alpha Presentation

clUML: Browser-Based UML Editor

The Capstone Experience

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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

Sanity Check

3 error(s) have been detected

- Class graph: name not capitalized.
- Class Node, attribute_value: Name's first character is not alphabetical.
- Class Node, attribute_value: Name contains non alphanumeric characters.
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?