

MICHIGAN STATE

UNIVERSITY

Alpha Presentation

clUML: A Browser-Based UML Editor

The Capstone Experience

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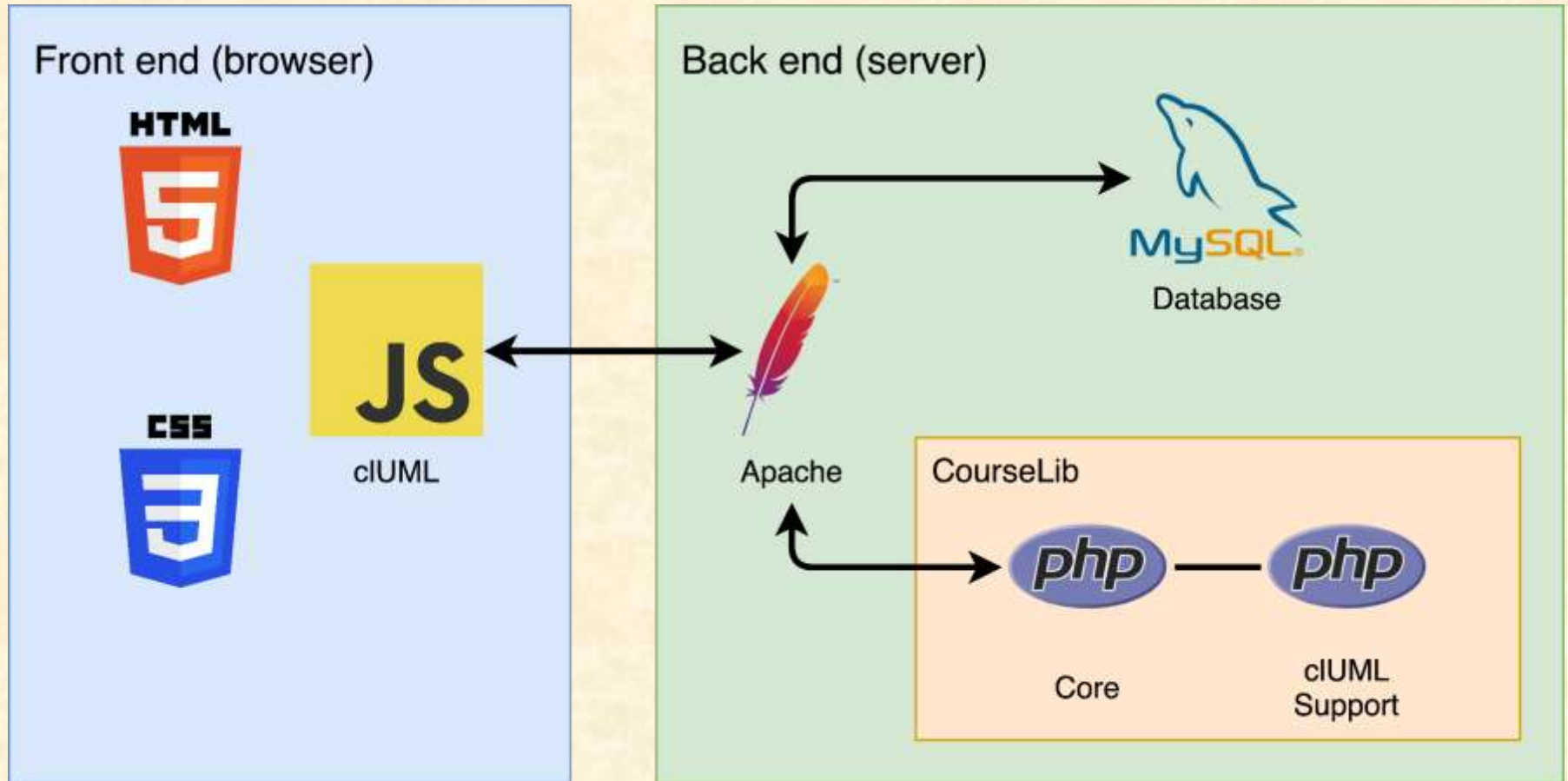
*From Students...
...to Professionals*

Project Overview

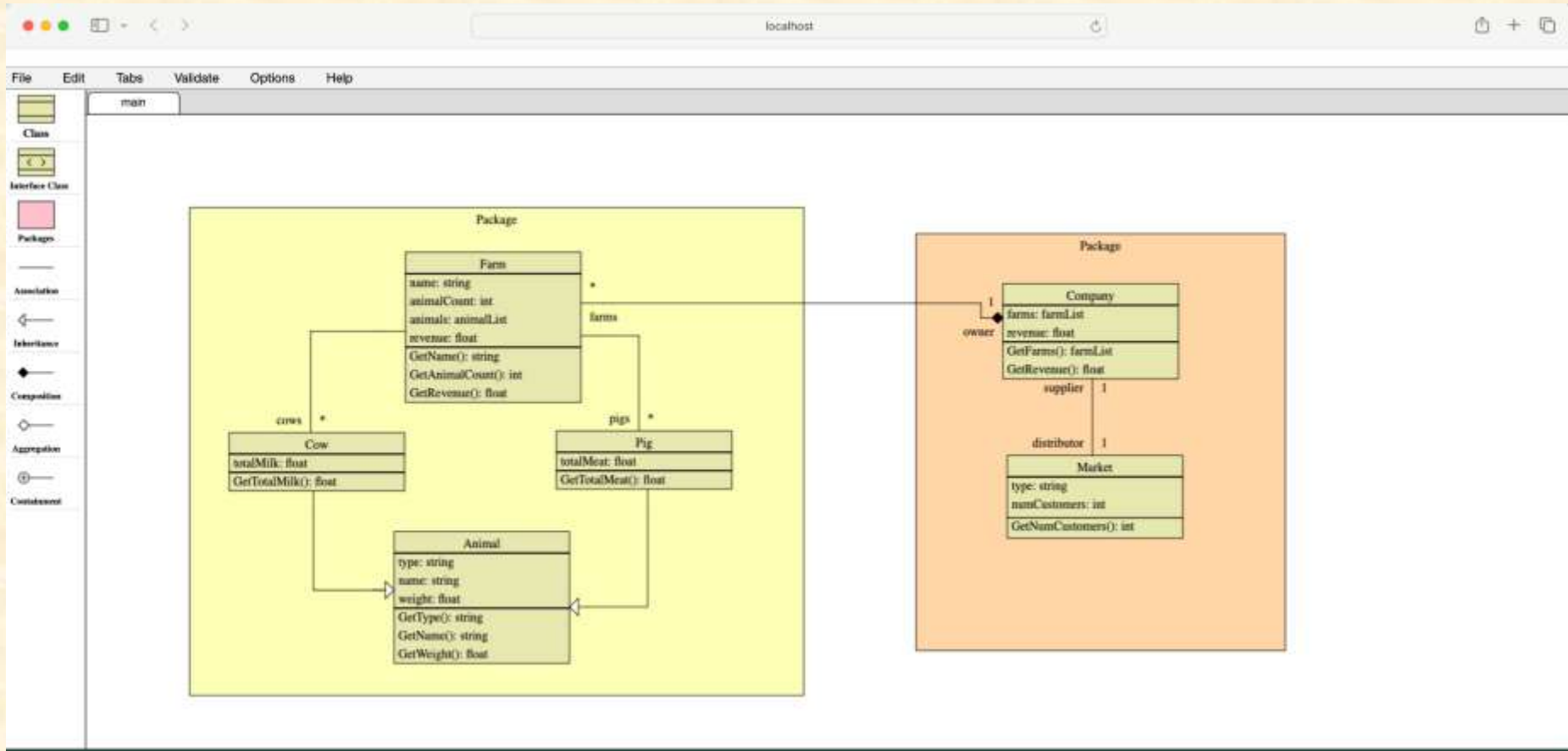
- clUML is a UML editor for the browser
- Built for the CSE 335 website
- Replaces Visual Paradigm
- Add support for object diagrams
- Integrate UI with CourseLib back end
 - Assignments and quizzes
 - Demonstrations



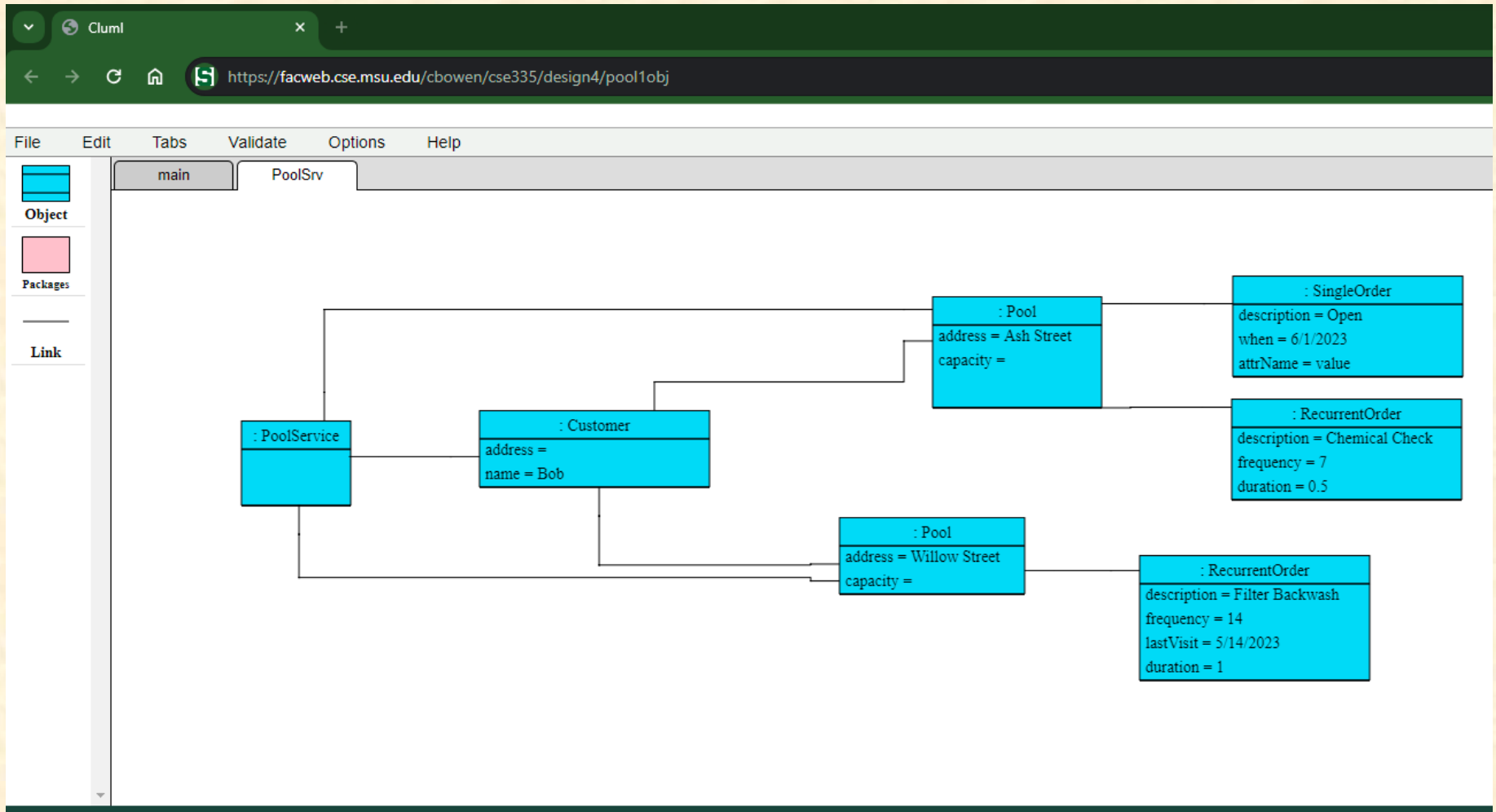
System Architecture



Class Diagram With Packages



Object Diagram Creation



Redundancy Checker

The screenshot shows a web browser window at localhost:8080 displaying a modeling tool interface. The interface includes a menu bar (File, Edit, Tabs, Validate, Options, Help) and a sidebar with 'Object', 'Packages', and 'Link' sections. The main workspace contains a diagram with three objects: two instances of 'PoolService' and one instance of 'Customer'. Each object has an 'address =' attribute. A 'Cluml Redundancy Check' dialog box is open, displaying the following text:

Cluml Redundancy Check

Redundancy Check

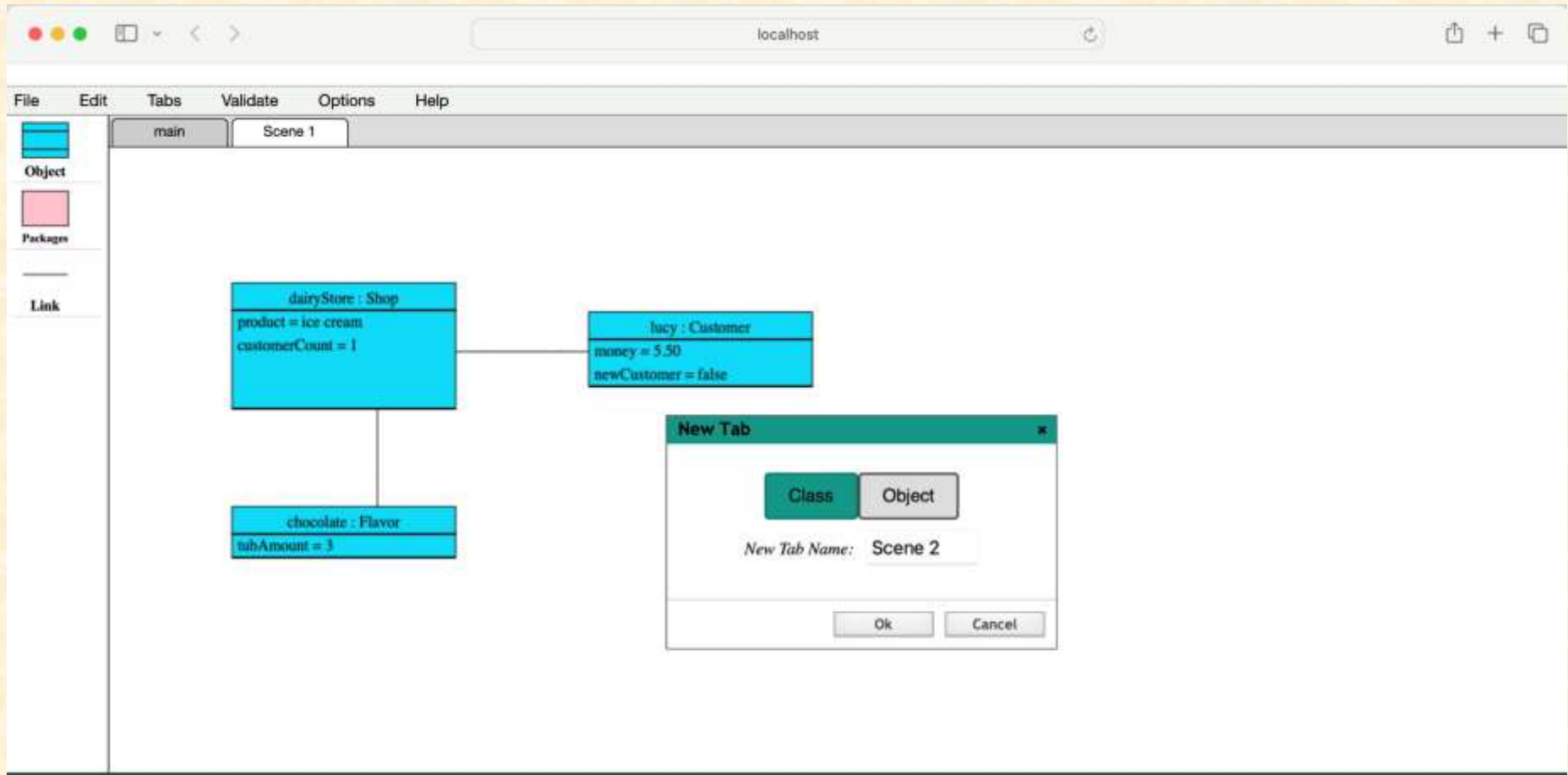
(1) warnings have been detected

CS8998 Attribute address: Multiple attributes with the same value: undefined

Ok



New Tab



What's left to do?

- Grade UML diagrams submitted in quizzes
- Show diagrams inline, without editing tools
- UML diagrams persist through pages on a Step assignment
- Test on all browsers and touch screens
- Stretch goals
 - Collaborative UML designs
 - Split Screen (two diagrams open simultaneously)



Questions?

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