MICHIGAN STATE UNIVERSITY

Alpha Presentation
clUML: A Browser-Based UML Editor

The Capstone Experience

Team Michigan State University CSE

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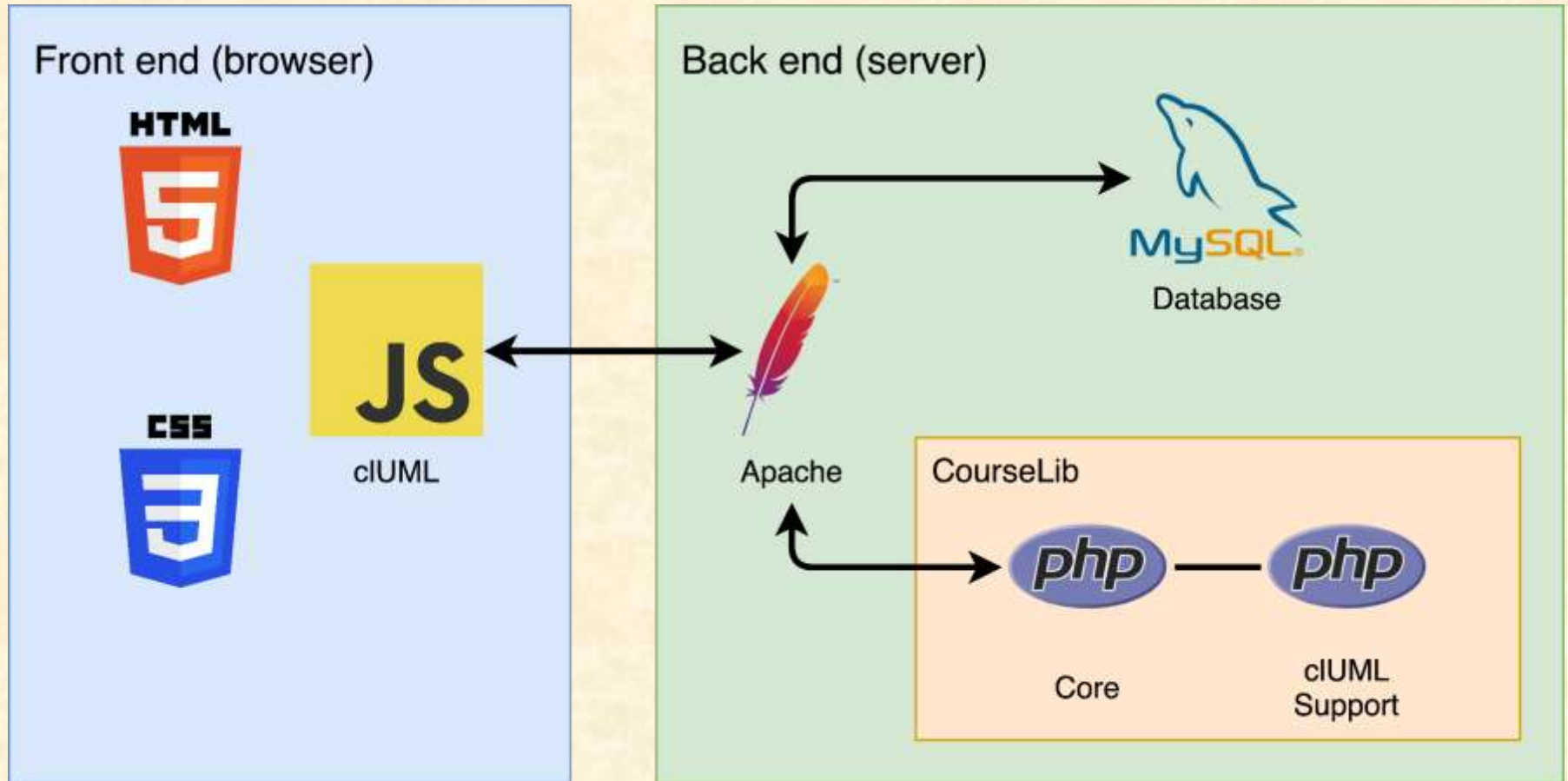Michigan State University

Spring 2024

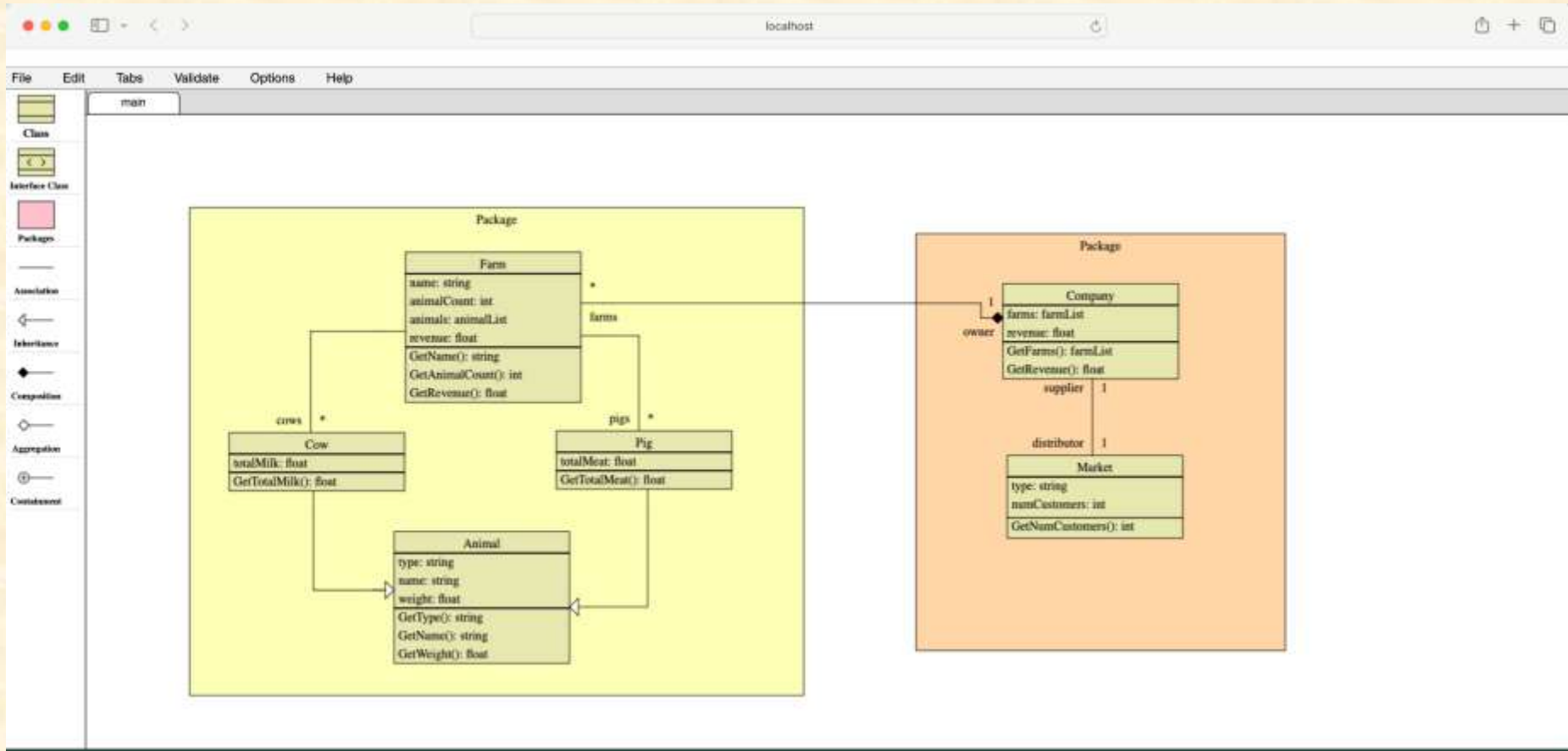*From Students…*
…to Professionals

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
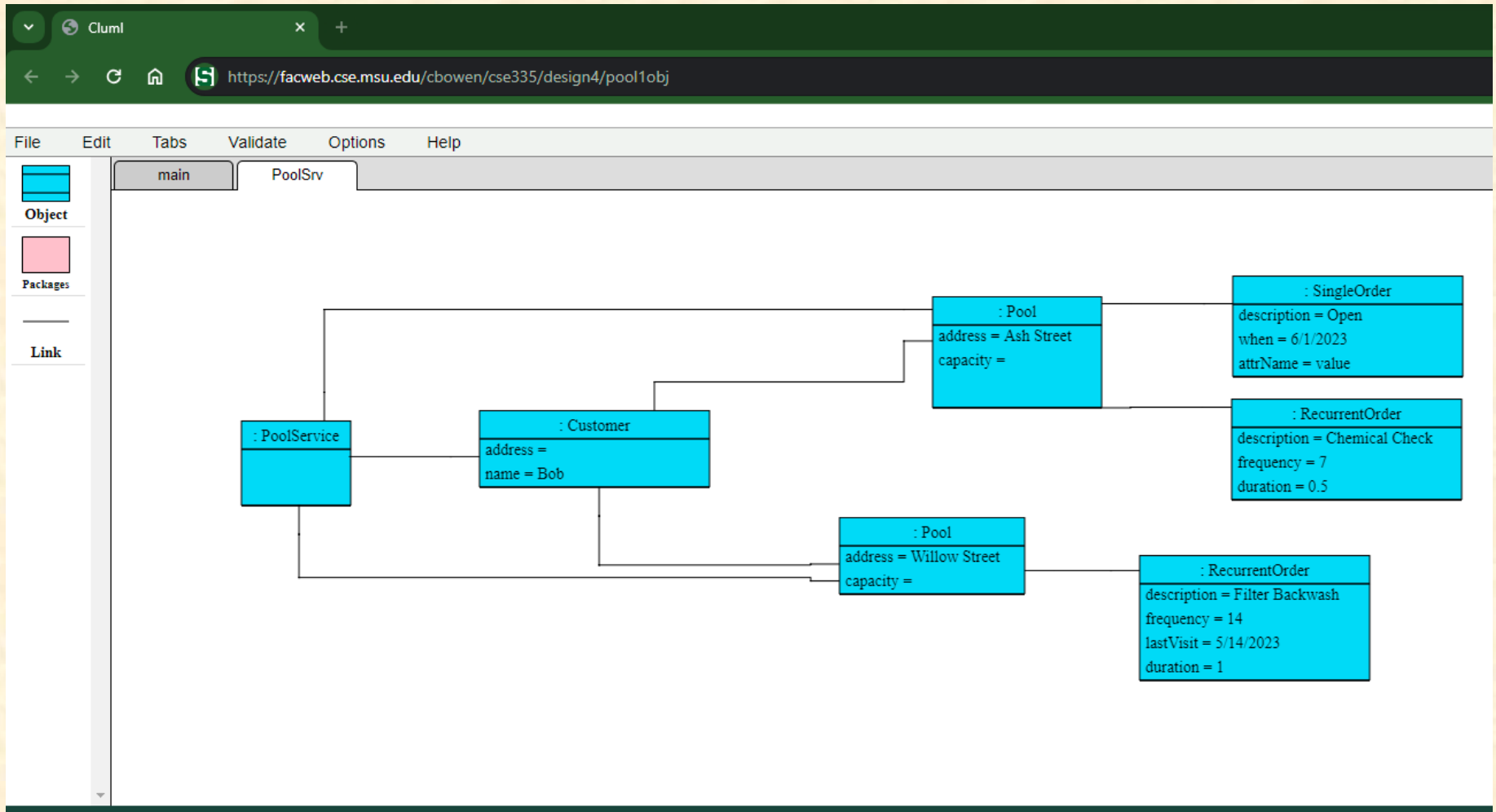 - Assignments and quizzes
  - Demonstrations

System Architecture

Class Diagram With Packages

Object Diagram Creation

Redundancy Checker

New Tab
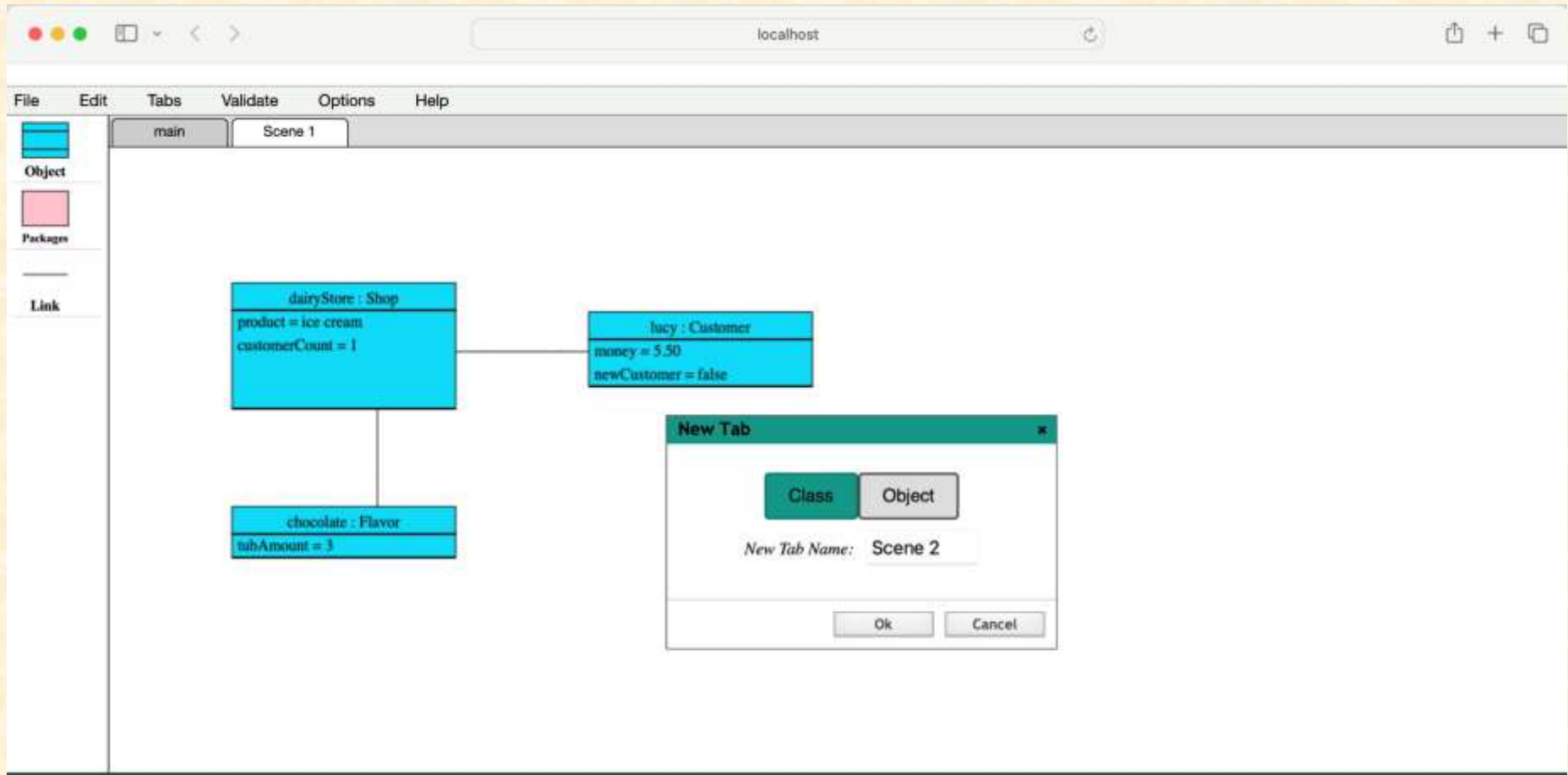
What's left to do?

- 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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