What is MultiLearn?

MultiLearn is an educational tool that allows multiple students to use classroom computers and provides feedback on student progress.

MultiLearn consists of a desktop application written in C# and a web application written in PHP.

Extensions built this quarter

- Added web application to display statistics
- Re-wrote desktop application to export summary data
- Added additional question types
- See: http://change.washington.edu/projects/multilearn

Desktop Application

- Supports simultaneous input from up to 4 keypads (including the computer’s keyboard).
- Tracks the types of problems users excel at or struggle with.
- Downloads settings from the internet allowing teachers to specify settings in one place and have them instantly deployed to N computers.
- Uploads usage data to inform teachers of how students are doing.
- Students can still use the tool if it isn’t internet connected.

Fieldwork

- Evergreen Heights Elementary, Madrona K-8
- High student-to-computer ratio
- Current systems do not provide meaningful feedback
- Teachers want to see problem areas

Web Application

- Teachers are able to keep track of the overall class performance with one click
- Teachers can add multiple choice questions to use in desktop application
- Teachers can post comments for parents and students to see, allowing easy communication

http://www.cs.washington.edu/education/courses/cse490d/10sp/