ETH
Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

LST
Laboratory for Software Technology

Increasing Interaction in the Classroom with WLANs

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http://lectcomm.sourceforge.net

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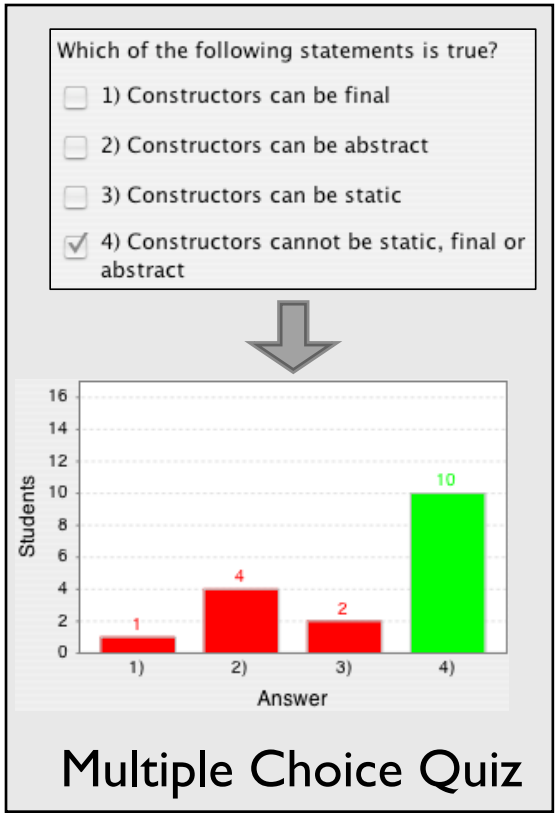
Overview

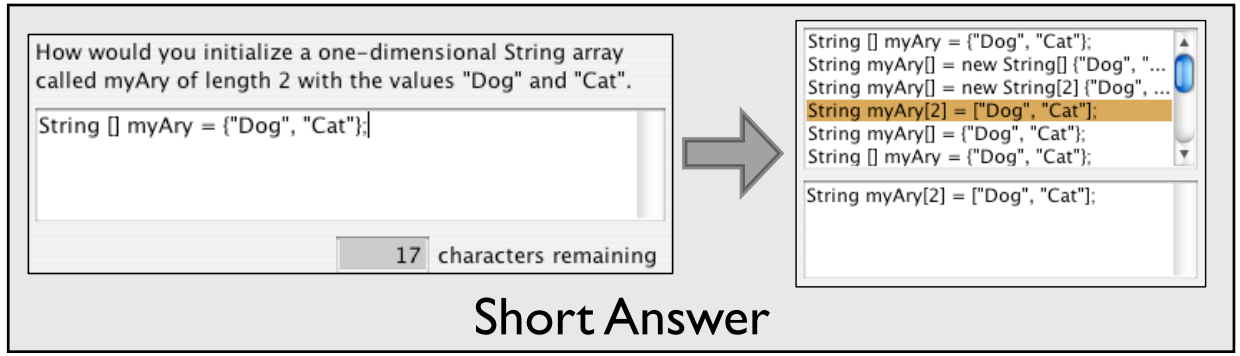
- Client/server software system to increase interactivity between students and lecturer
- Goals
  - Enhance student participation for active learning
  - Improve lecture quality due to continuous feedback
- Based on WLAN infrastructure and portable computers brought to class
- Aimed at university classes with 20+ students
- Runs on all platforms/operating systems where Java ≥ 1.4 is available
- Used at ETH Zurich in 2nd year courses; more extensive used planned for spring/summer 2004

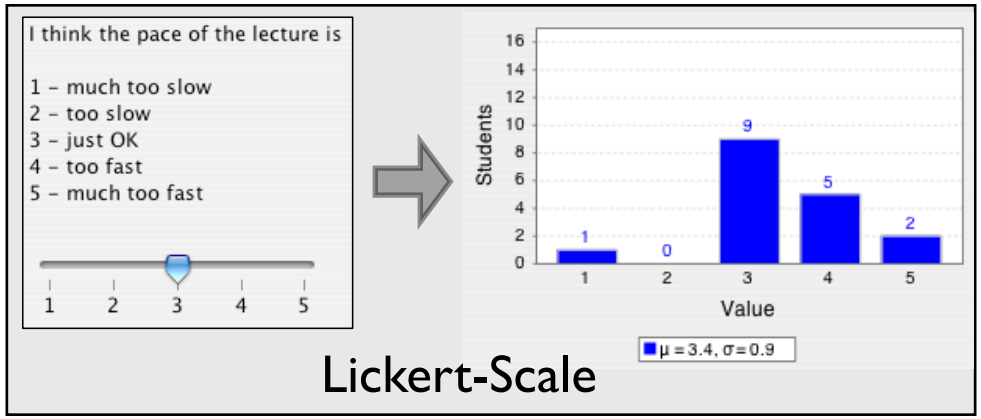
Functionality

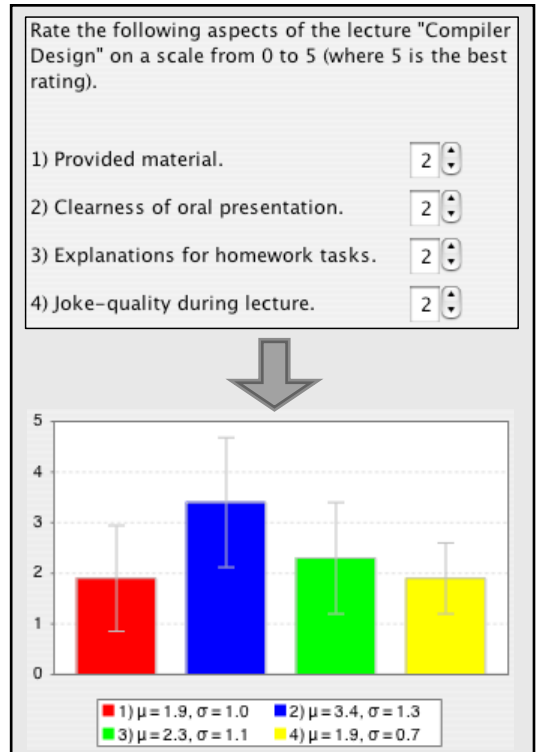
- Enables organized, bidirectional communication
  - Lecturer asks questions related to lecture content or style
  - Questions of understanding from students can be rated by their colleagues
- Automatic and instant processing of student input wherever possible
- Students can see the rating of their own and other student's questions (gives them some feedback)
- Tool is not intended for grading or exams
- Student-part is a Java applet that can be started from a web browser (avoids extra installation)

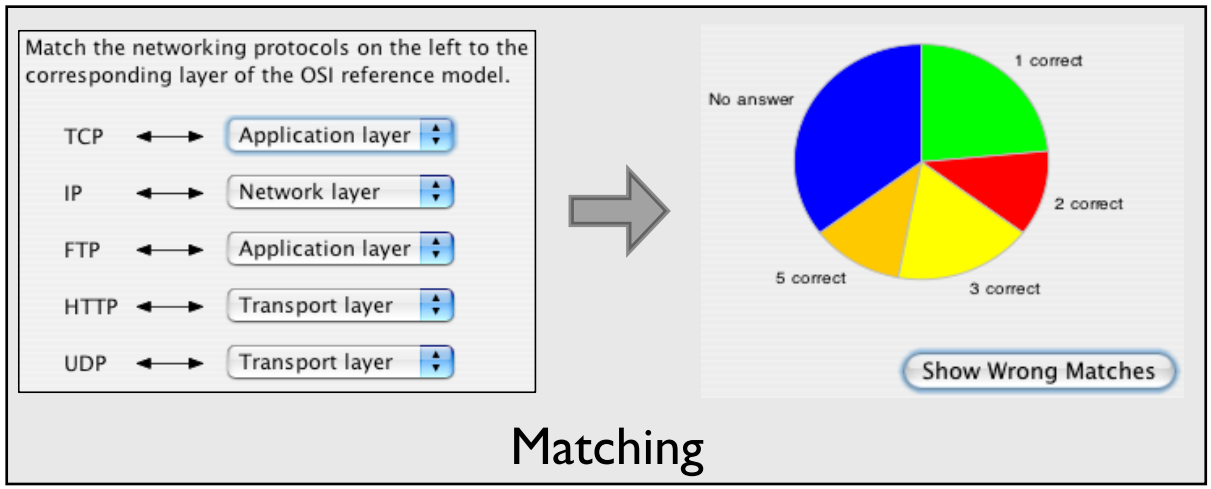
Assessment types





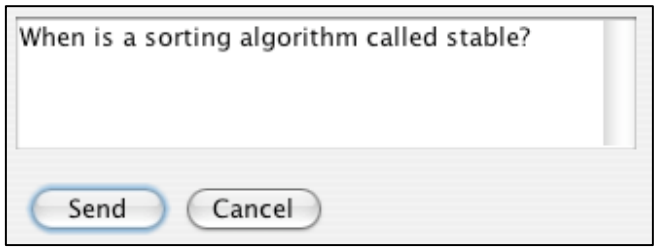






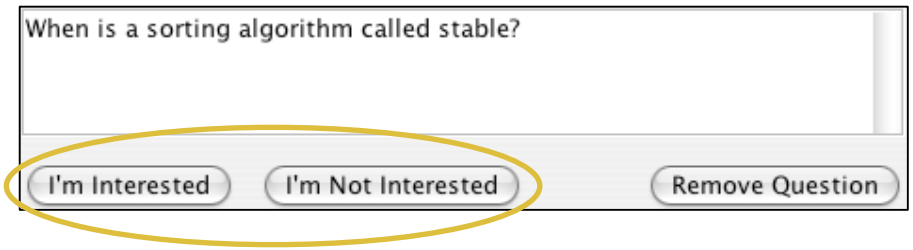
Student Questions

1.



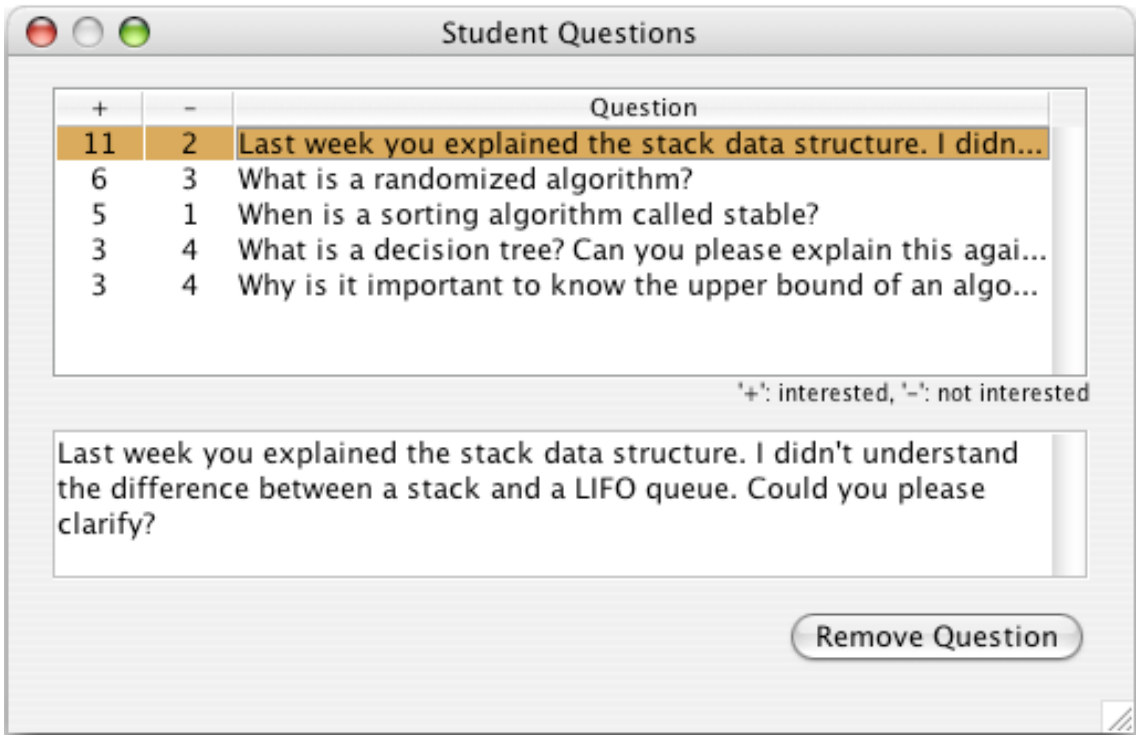
A student asks a question.

2.



The other participants rate it.

3.



The lecturer can answer the most favored questions first.