Development of Web-based Groupware for Assisting Language Teaching

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Outline of the presentation

- Present problems in teaching/learning with computers
- Development of web-based groupware for assisting language teaching
- The differences from other systems
- Explanation of the functions of the groupware

Computer-Assisted Language Learning Environments Today

- CALL Classrooms (specifically designed for language teaching)
- Computer-equipped Classrooms (for general purposes)
- School LAN and students' PCs
- Internet-connected home PCs

Computer-Assisted Language Learning Environments Today

- CALL (Computer-Assisted Language Learning [Laboratory]

◆LL 第一教室後景

Computer-Assisted Language Learning Environments Today

- Computer-equipped Classrooms (for general purposes)

Computer-Assisted Language Learning Environments Today

- School LAN and students' PCs

Computer-Assisted Language Learning Environments Today

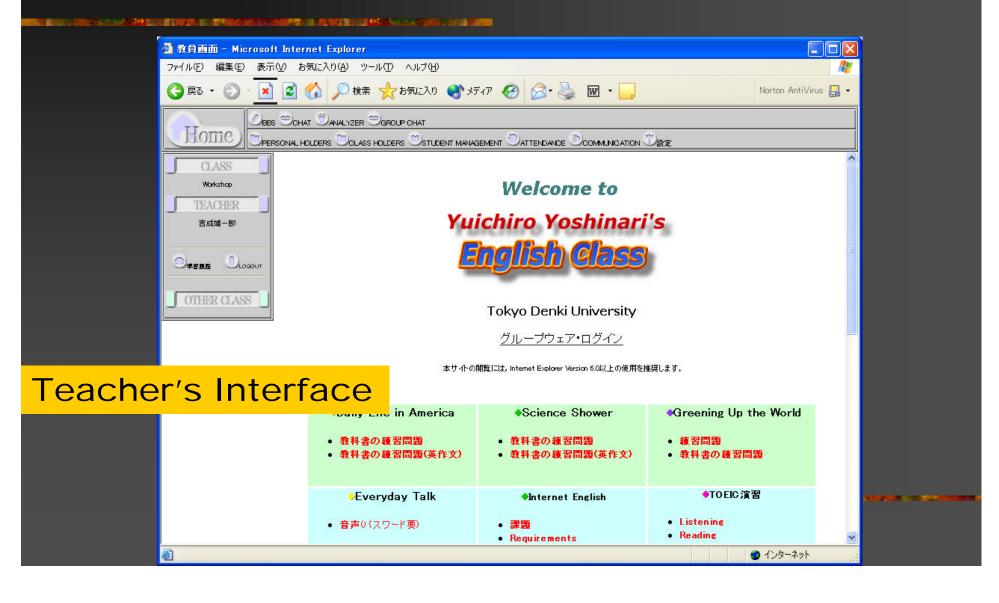- Internet-connected home PCs

Web-based Training (WBT)

WebCT

TopClass

WebClass

Present problems in teaching/learning with computers

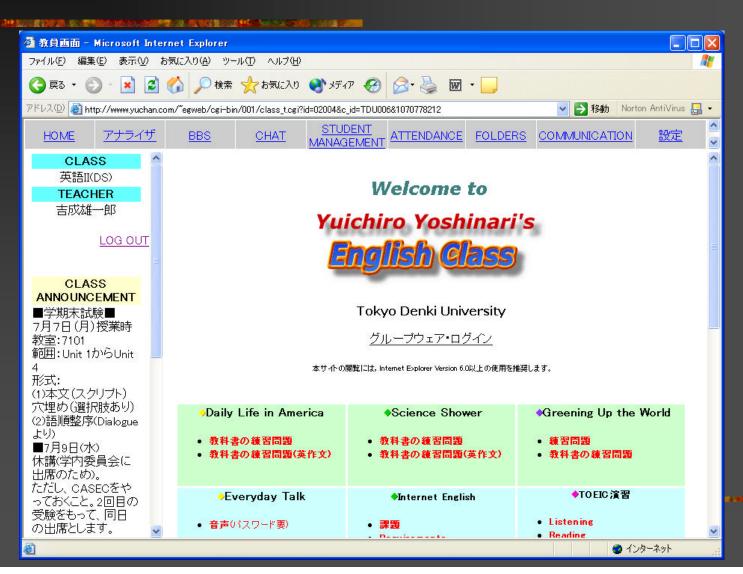- Technical barrier for many language teachers
- Various environments

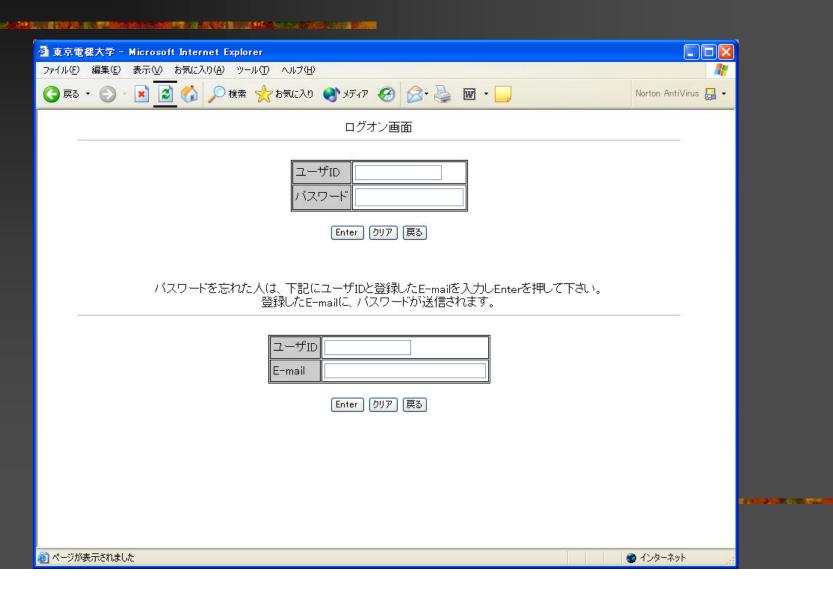# Web-based Groupware for Assisting Language Teaching

Teacher's Interface

Web-based Groupware for Assisting Language Teaching

Teacher's Interface

Web-based Groupware for Assisting Language Teaching

Web-based Groupware for Assisting Language Teaching

- Logon (user identification)
- Attendance check and automatic recording
- Announcement
- Shared folders
- File storage
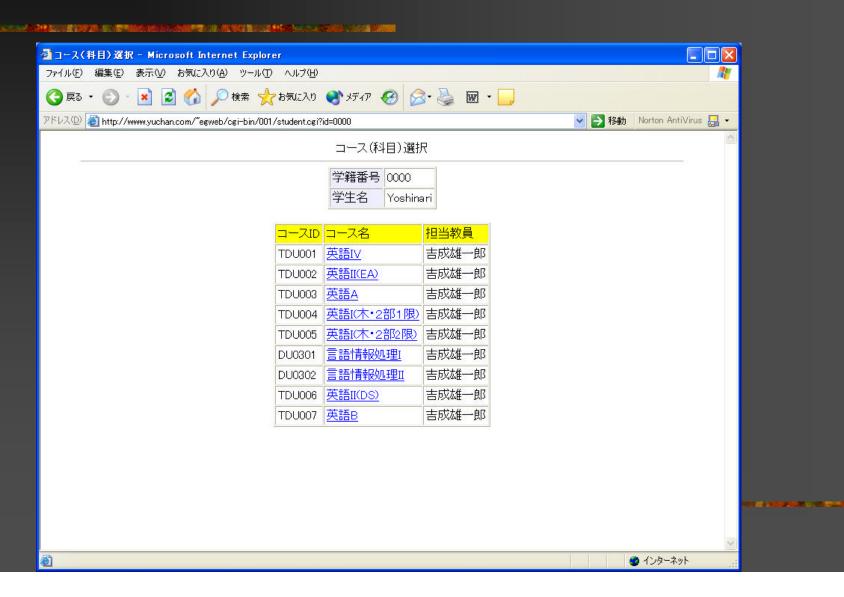- Quiz creation, delivery and tracking
- BBS(s)
- Chat room(s)
- Group chatting
- Analyzer
- Links

Three user levels

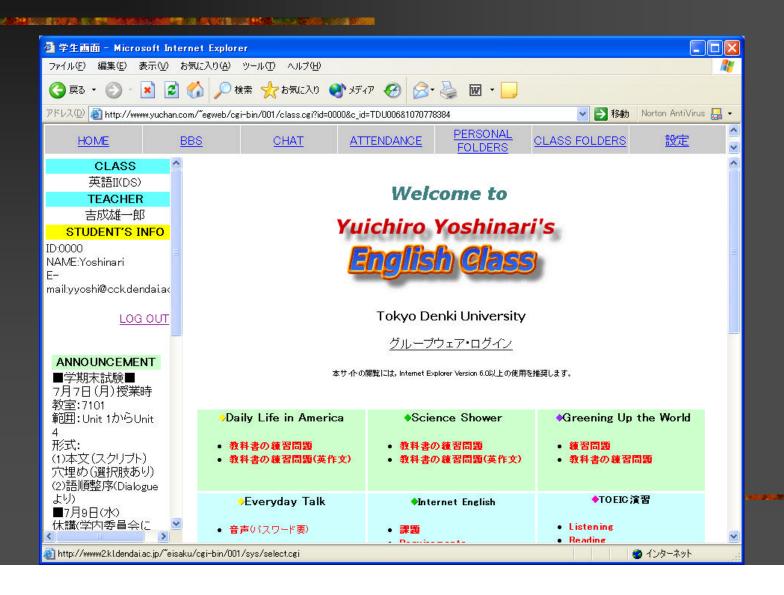- System administrator level
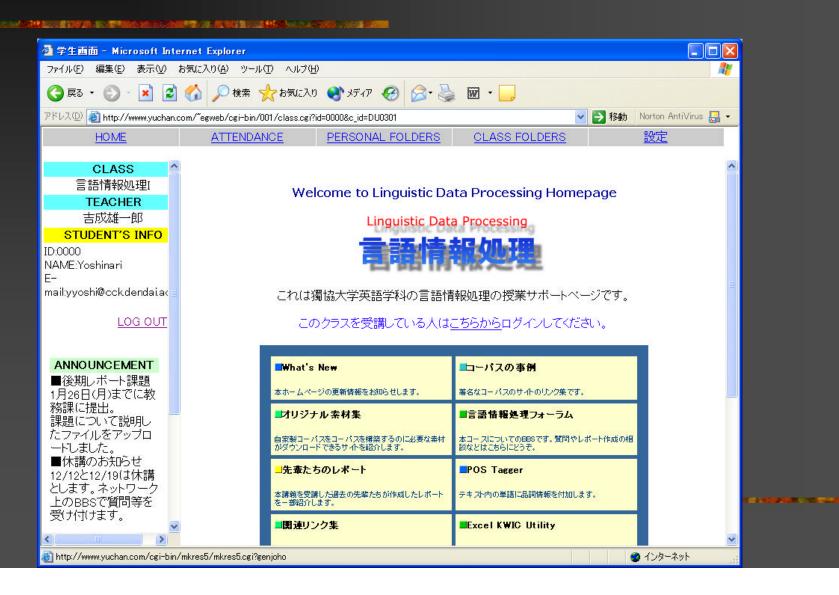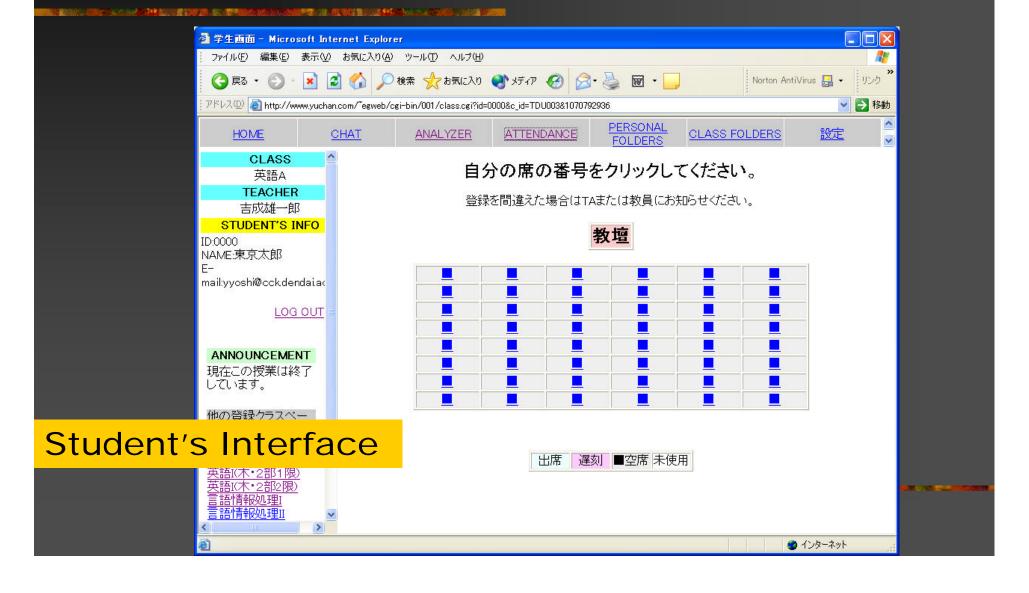- Teacher level
- Student level

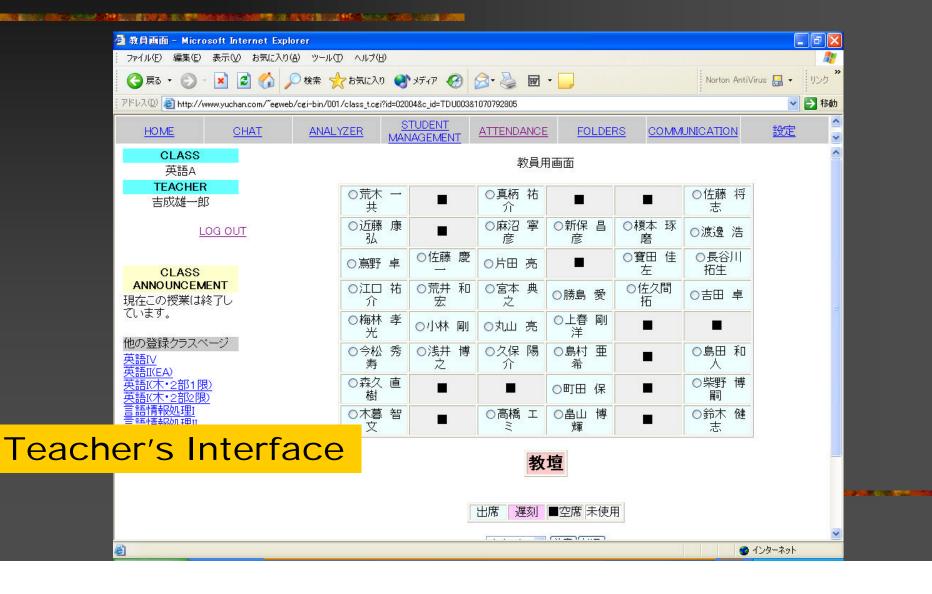# Logon

Select the class to enter

The class page appears.

Another example of class page

Roll taking
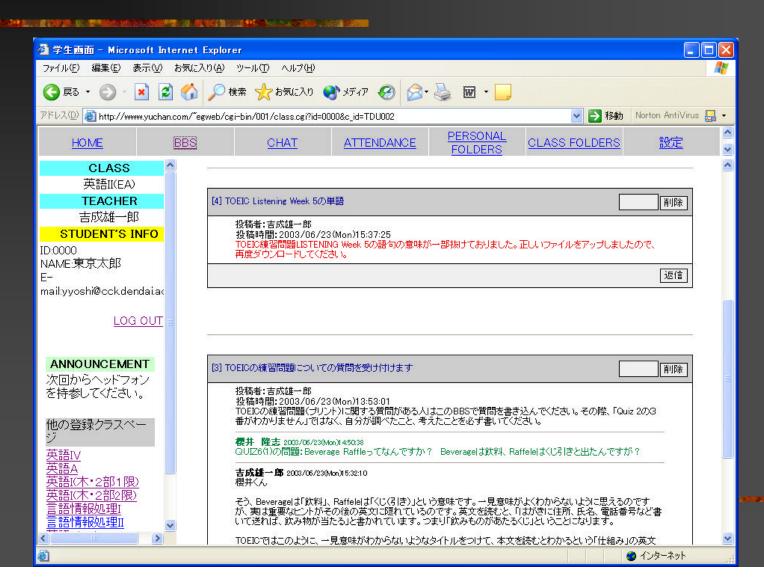

Student's Interface
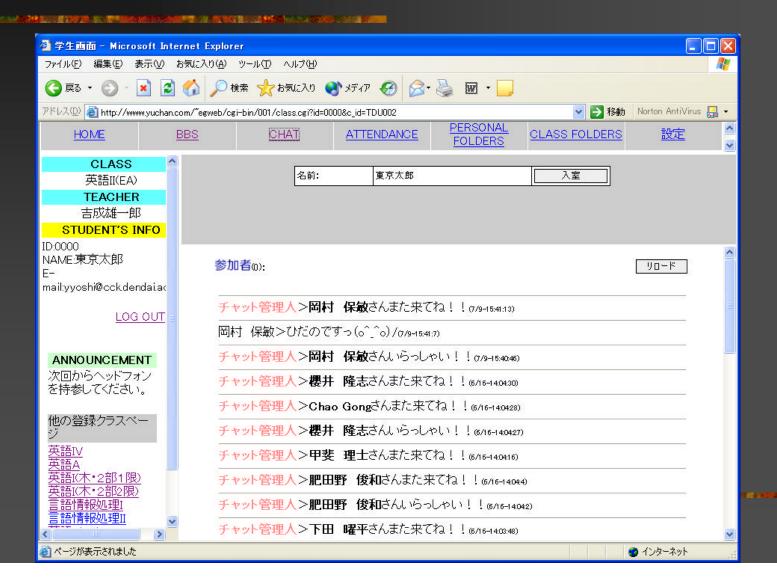
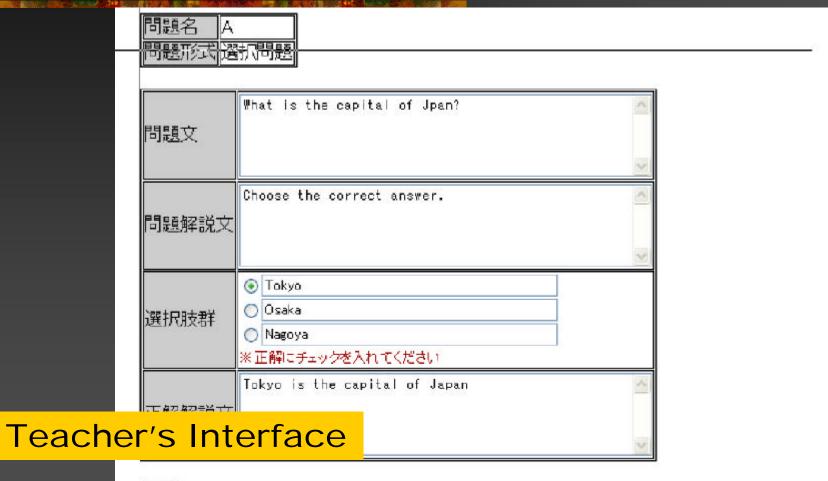# Roll taking / Seat layout display

Teacher's Interface

File storage

BBS (Bulletin Board System)

Chat room

Online Quiz creation delivery and tracking
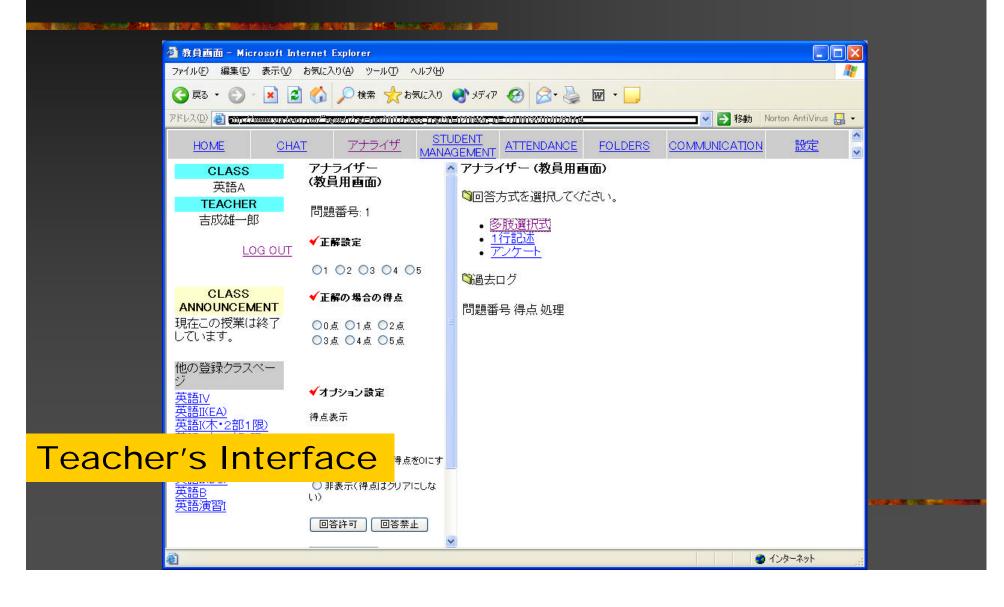

Teacher's Interface

Response analyzer (Student's Interface)

Response analyzer (Teacher's Interface)

Response analyzer (Teacher's Interface)

Teacher's Interface

Why is groupware needed?

- Uniformed environment anywhere

- Easy operation on teacher's side and on the student's side

- Flexibility (to meet the specific needs of each teacher)

What makes them different?

- **CALL Classroom**
  - Specifically designed for In-class language teaching
  - Computer-assisted teaching management
- **WBT (Web-based Training)**
  - Accessible from anywhere
  - Originally designed for online (distant) education
- **Groupware**
  - Accessible from anywhere
  - Assists both in-class and out-of-class teaching (learning)
  - Assists teaching management