

Project Year

2001

Project Team

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Project Title

Testing the Ability to Read Music: Using Javascript Objects to Enter Musical Notes

Audience

This tool will be used by over 600 students applying to the Peabody Conservatory each year and taking an entrance exam on music theory. It also will be of use for incoming freshmen who require remedial training in basic music theory. Finally, it could benefit graduate students who conduct research on music theory pedagogy.

Pedagogical Issue

Over 600 students apply for approximately 150 undergraduate positions at Peabody each year. All applicants are tested on their knowledge of music theory, but practice exercises for this test have not been widely available. Music professors, and Peabody's admissions committee, have been challenged by the absence of a dynamic interface for entering notes on a staff.

Solution

This project team proposes to develop a JavaScript object that will question students on basic music theory. The object will provide the graphic of a staff with a clef and allow students to answer questions either by dragging notes onto the staff or by clicking notes on the staff. Records of students' performance in these exercises will be retained for research purposes by Peabody Music Theory Pedagogy graduate students.

Technologies Used

Web Design, Programming – JavaScript, Course Ware Integration