SRS *(Adapted from class handout by A. Hornof)*

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The motivation of the program is to increase human to human collaboration in the classroom to get the most out of being at class in person.

Instructors find difficulty calling on students equally and fairly, especially when many students don't bother raising their hand. The problem that needs to be solved is a lack of classroom participation in regards to students answering the instructor's questions in class.

The users are college professors that cold call members of the class for input. They will expect that the program will run without errors and not give them technological issues in the middle of class. They will also want the program to be easy to use and provide a random distribution. Many users already have their laptops working, and we would need it to work on both apple and windows.

Scenarios

A. Common Instructor Use

A common use of this program will be to prompt a student to answer when nobody raises their hands. If an instructor poses a question to the class, and no one raises their hand, the instructor then decides to utilize the cold-call system, looking at the first name out of the three ordered by the system. The instructor calls out the student's name, and the student answers the question correctly. The instructor presses the '1' key on her keyboard, and the student's name disappears from the Interface and is put back in the queue. The second and third students are shifted up to first and second, and the fourth name that was previously hidden is shifted up to third and is displayed, and every other student is also shifted up in the queue by one. The next time the instructor needs to cold-call a student, the student that is newly third on the list raises their hand and offers an answer. The instructor presses the '3' key on her keyboard, and that student's name disappears from the Interface and is put back in the queue. The next student in the queue is shifted forwards to fill the vacant spot in the top 3.

B. Student Participation

Another possible use of the program will be to use it to grade in-class participation over the term. In an example of this, the instructor poses a question to the class, and no one volunteers to answer it. The instructor utilizes the cold-call system and calls out the first name from the list of three from the system. The student is revealed to be absent for the day, and is therefore not in class to answer the question. The instructor presses the <Lose